CARLETON UNIVERSITY

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

AUGUST 24, 2020

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CARLETON UNIVERSITY

PROJECT NO.: 191-12948-00
DATE: AUGUST 2020

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August 24, 2020

CARLETON UNIVERSITY
1125 Colonel By Drive
Ottawa, Ontario

Attention: Dawn Blackman

Dear Madam:

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

WSP Canada Inc. (WSP) is pleased to provide Carleton University with our revised Phase One Environmental Site Assessment (ESA) report for the proposed student residence within the Carleton University campus in Ottawa, Ontario. Revisions reflect recent discussions with the Ontario Ministry of the Environment, Conservation and Parks pertaining to the filing of a Record of Site Condition.

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

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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 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, an access laneway and temporary 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 temporary surface parking lot, access lane with loading and unloading area and a 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. Based on discussion with the Ontario Ministry of the Environment, Conservation and Parks (MECP), the filing of a Record of Site Condition will be required for this property.

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, an access laneway with loading and unloading area, and a temporary area. 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 0.7 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, an access laneway and temporary parking spaces, and can be considered residential/institutional in use. 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 slops 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: North: Parking lot. East: Campus Avenue followed by railway line. South: Student residence. West: 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 biosoils 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	**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. The importation of fill material is considered to have created APEC 1, on the subject site.
PCA 46. Rail yards, tracks and spurs	**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. The area adjacent to the railway along the western boundary of the Subject Site is identified as APEC 2.
PCA No. 58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	**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.

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
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- 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.
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- 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

Drafted By: cody.pytlak

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 biosoils as soil conditioners*

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

LEGEND

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

TITLE
PHASE ONE CONCEPTUAL SITE MODEL

PROJECT
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
CARLETON UNIVERSITY
1125 COLONEL DR.
OTTAWA, ONTARIO

CLIENT
CARLETON UNIVERSITY

PROJECT NO	SOURCE	REVIEWED BY
191-12948-00	**BING / ESRI MAPS, OTTAWA OPEN DATA, GeoOttawa, LIO, MNRF**	**AM**
	DATE **MARCH 2020**	FIGURE **1**

F:\WSP\GIS\191-12948-00 - Carleton University New Residence\Phase I ESA\XGIS\MXD\1911294800_Figure1_CSM.mxd

Drafted By: cody.pytlak

F:\WSP\GIS\191-12948-00 - Carleton University New Residence\Phase I ESA\XGIS\MXD\1911294800_Figure2_SitePlan.mxd

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*

LEGEND

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

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: **MARCH 2020**	FIGURE: **2**

APPENDIX

A CHAIN OF TITLE

CHAIN OF TITLE REPORT

Project #: 191-12948-00, Phase 100, subphase 02 **Searched at:** Ottawa
Address: 1125 Colonel By Drive, Ottawa **LRO #:** 4
Legal Description: Part lots L & M, Con BRF

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**

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
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1996/10/21 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 1996/10/21						
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1996/10/18 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 1996/10/21 **						
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					

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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
CR506251	1966/02/18	CHARGE		*** COMPLETELY DELETED ***	CENTRAL MORTGAGE AND HOUSING CORPORATION	
CR507683	1966/03/30	PLAN MISCELLANEOUS				C
	REMARKS: SKETCH ATTACHED					
CR512266	1966/07/06	PLAN MISCELLANEOUS				C
	REMARKS: SKETCH ATTACHED					
CR554103	1969/01/24	CHARGE	$2,671,200		CENTRAL MORTGAGE AND HOUSING CORPORATION	C
CR585555	1970/12/30	TRANSFER	$2		CARLETON UNIVERSITY	C
	REMARKS: SKETCH ATTACHED, ALIGNMENT OF BOUNDARIES					
CR585557	1970/12/30	TRANSFER	$2		CARLETON UNIVERSITY	C
	REMARKS: SKETCH ATTACHED					
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		*** COMPLETELY DELETED ***		
	REMARKS: N576335					
5R14592	1991/08/23	PLAN REFERENCE				C
N626838	1992/07/27	AGREEMENT		*** COMPLETELY DELETED ***		
	REMARKS: DELETED BY OC1200432 ON MARCH 7TH, 2012. CH					
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					

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

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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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	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 ***		

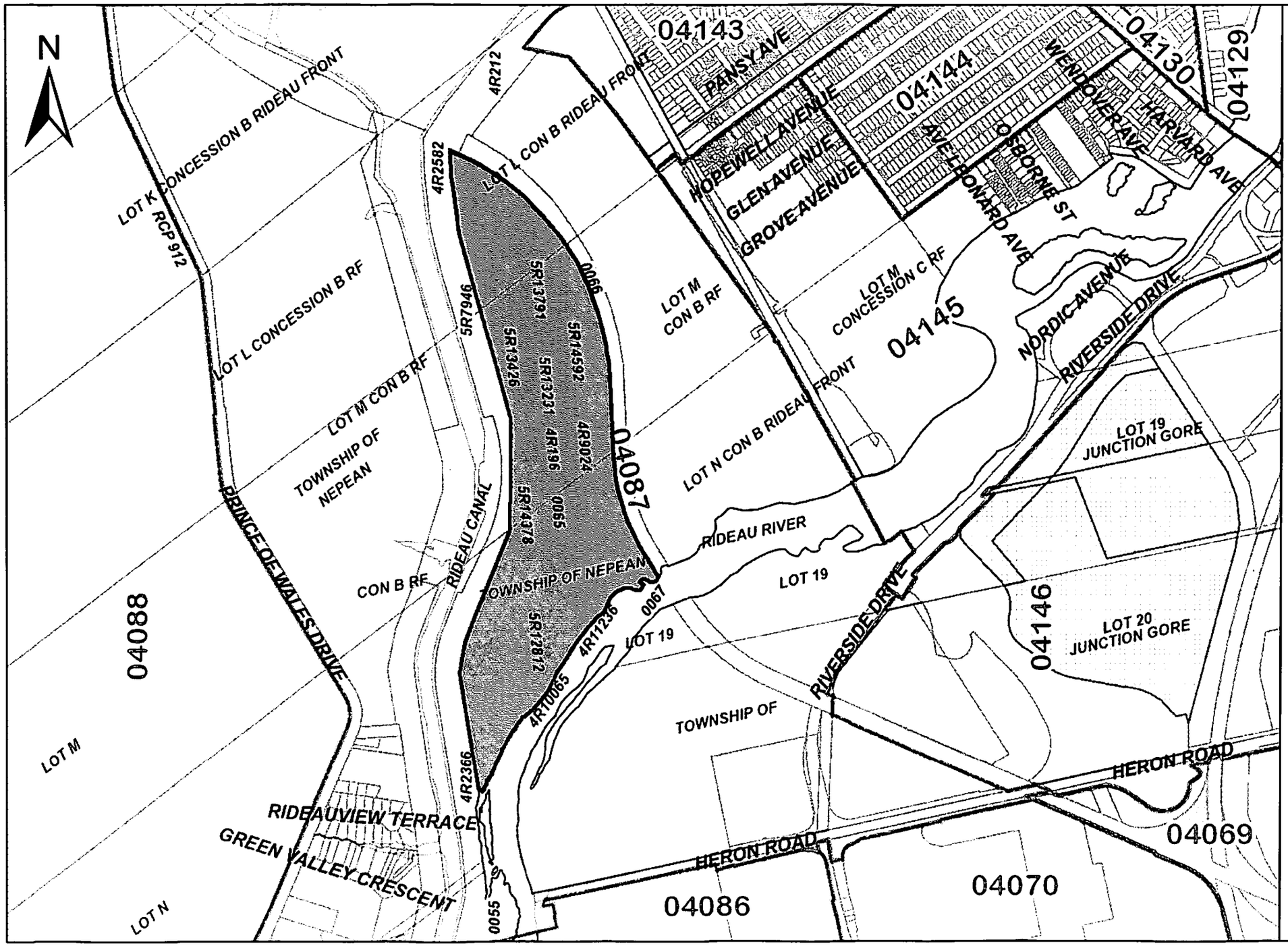
REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				GROUPE ORBI CONSTRUCTION INC.		
OC1319842	2011/12/23	CERTIFICATE		*** COMPLETELY DELETED ***		
				ONTARIO SUPERIOR COURT OF JUSTICE	TRUSTEES OF THE IRON WORKERS CENTRAL WELFARE FUND AND THE IRON WORKERS ONTARIO PENSION FUND	
	REMARKS: OC1307786					
OC1322076	2012/01/06	APL AMEND ORDER		*** COMPLETELY DELETED ***		
				ONTARIO SUPERIOR COURT OF JUSTICE	6782744 CANADA LTD.	
OC1322077	2012/01/06	APL AMEND ORDER		*** COMPLETELY DELETED ***		
				ONTARIO SUPERIOR COURT OF JUSTICE	6782774 CANADA LTD.	
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		*** COMPLETELY DELETED ***		
				CANADA MORTGAGE AND HOUSING CORPORATION	CITY OF OTTAWA	
	REMARKS: CR439618 TO OC1347242					
OC1347244	2012/03/30	POSTPONEMENT		*** COMPLETELY DELETED ***		
				CANADA MORTGAGE AND HOUSING CORPORATION	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		*** COMPLETELY DELETED ***		
				J. CONNELLY RENTAL LTD.		
OC1421010	2012/10/19	CONSTRUCTION LIEN		*** COMPLETELY DELETED ***		
				CARROZZI, LUIGI		
OC1422138	2012/10/24	CONSTRUCTION LIEN		*** COMPLETELY DELETED ***		
				GUILBEAULT- LAURIN, BOBBY		
OC1424570	2012/10/31	CONSTRUCTION LIEN		*** COMPLETELY DELETED ***		
				2145765 ONTARIO INC.		
OC1424571	2012/10/31	CONSTRUCTION LIEN		*** COMPLETELY DELETED ***		
				2113467 ONTARIO INC.		

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

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 TOOC1772126					
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.					

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					



ServiceOntario

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SCALE

0 90 180 270 360 450 meters

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

Ontario

APPENDIX

B ERIS REPORT

ENVIRONMENTAL RISK INFORMATION SERVICES

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*

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

Table of Contents

Executive Summary

Property Information:

Project Property: *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

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

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
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

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number

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

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

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

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 Heath 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
2	GEN	Alinea Dental	1125 Colonel By Dr Suite 2100 Ottawa ON K1S5R1	WNW/16.4	0.00	60
2	GEN	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON	WNW/16.4	0.00	61
2	GEN	Elevation Elevator Inc.	1125 Colonel By Drive Ottawa ON K1S5B6	WNW/16.4	0.00	62
2	GEN	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON	WNW/16.4	0.00	62
2	GEN	Environment Canada CWS	NWRC, Carleton University 1125 Colonel By Dr / Raven Rd Building 33 Ottawa ON	WNW/16.4	0.00	64
2	GEN	Carleton University	1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	64
2	GEN	Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON	WNW/16.4	0.00	64
2	GEN	Environment Canada CWS	NWRC, Carleton University 1125 Colonel By Drive, Raven Rd Ottawa ON K1S 5B6	WNW/16.4	0.00	65
2	GEN	Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON K1S5B6	WNW/16.4	0.00	66
2	GEN	Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 5B6	WNW/16.4	0.00	66
2	GEN	Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 5B6	WNW/16.4	0.00	67
2	GEN	Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 5B6	WNW/16.4	0.00	68

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	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 Heath 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
2	GEN	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	WNW/16.4	0.00	84
2	GEN	Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6	WNW/16.4	0.00	86
2	GEN	Carleton University	1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	86
2	GEN	CARLETON UNIVERSITY 09-070	1125 COLONEL BY DRIVE OTTAWA ON	WNW/16.4	0.00	86
2	GEN	Kone Inc.	1125 Colonel By Drive Ottawa ON K1S 5B6	WNW/16.4	0.00	88
2	GEN	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON	WNW/16.4	0.00	88
2	GHG	Carleton university	1125 Colonel By Drive Ottawa ON K1S5B6	WNW/16.4	0.00	89
2	HINC		1125 COLONEL BY DRIVE OTTAWA ON	WNW/16.4	0.00	90
2	INC		1125 COLONEL BY DRIVE, OTTAWA ON	WNW/16.4	0.00	91
2	INC		1125 COLONEL BY DRIVE, OTTAWA ON	WNW/16.4	0.00	91
2	INC		1125 COLONEL BY DRIVE, OTTAWA ON	WNW/16.4	0.00	92
2	NPCB	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE BUILDING SERVICES Ottawa ON	WNW/16.4	0.00	93
2	NPCB	CARLETON UNIVERSITY	1125 COLONEL BY DR BUILDING SERVICES	WNW/16.4	0.00	94

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

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 **Well ID:** 1508071	SSW/169.5	3.04	126
13	WWIS		ON **Well ID:** 1508072	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

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
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.

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

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.

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

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

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.

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

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

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.

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

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

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

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.

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

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.

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

Site	Address	Distance (m)	Map Key
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
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

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.

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

Site	Address	Distance (m)	Map Key
	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.

Site	Address	Distance (m)	Map Key
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.

Site	Address	Distance (m)	Map Key
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.

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

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

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

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

Site	Address	Distance (m)	Map Key
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.

Site	Address	Distance (m)	Map Key
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.

Site	Address	Distance (m)	Map Key
	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.

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

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

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.

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

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.

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

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

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.

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

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.

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

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

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.

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

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

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.

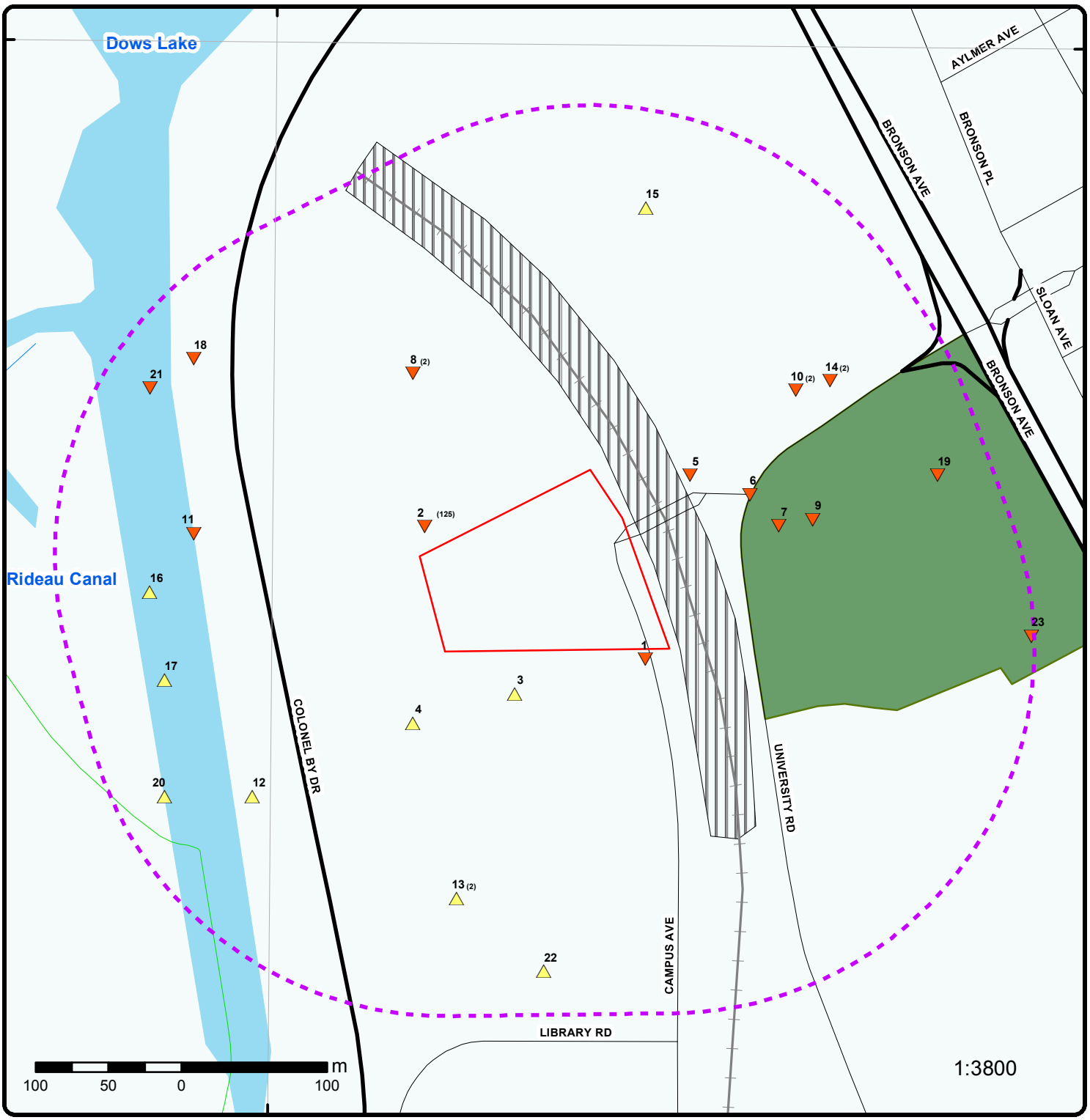
Site	Address	Distance (m)	Map Key
	Bronson Ave (Carleton Univ) OTTAWA ON	98.9	7

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.

Site	Address	Distance (m)	Map Key
	OTTAWA ON	7.2	1

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



Map : 0.25 Kilometer Radius

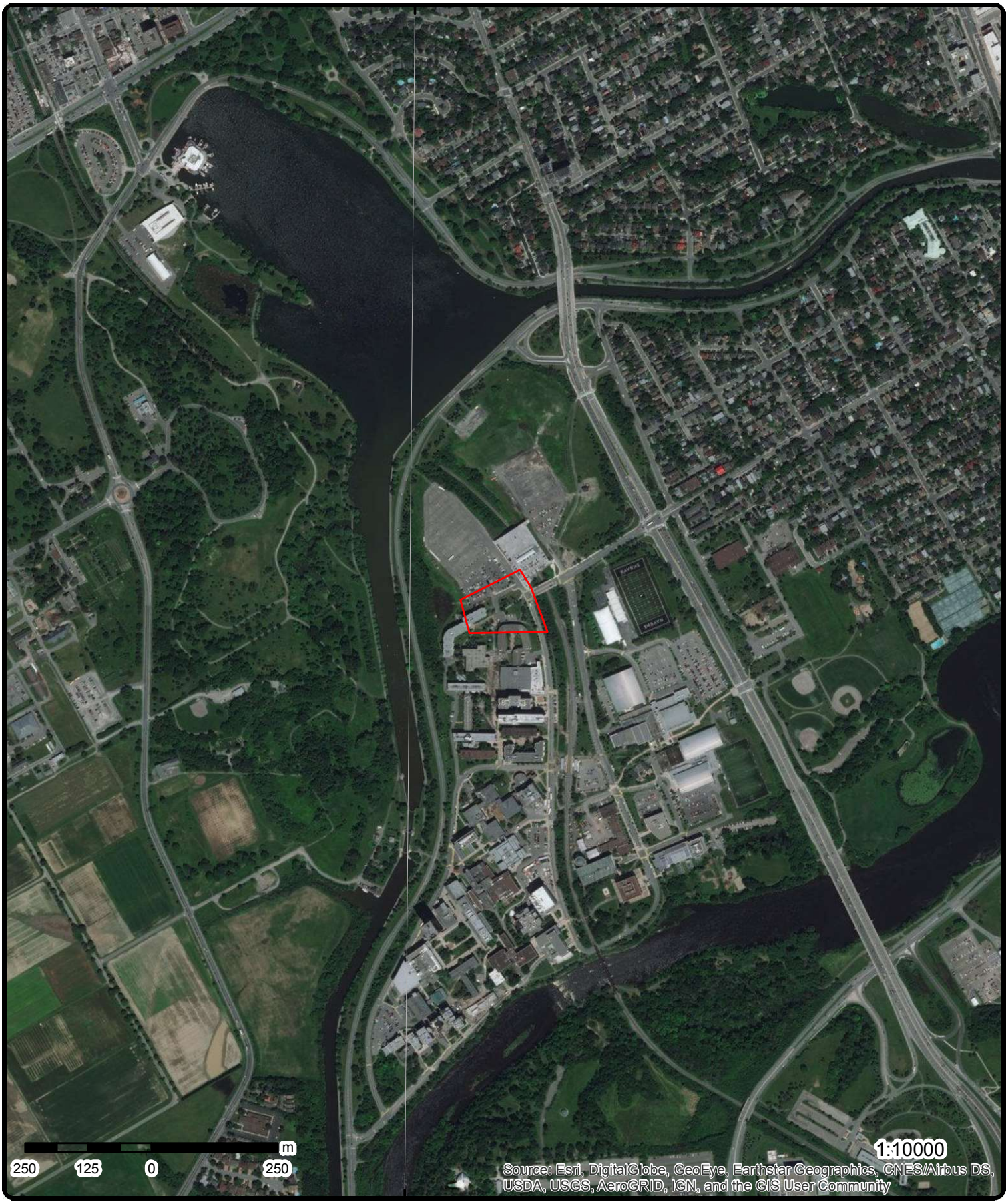
Order No: 20190920010

Address: Carleton Univeristy, Ottawa, ON

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

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

75°42'W



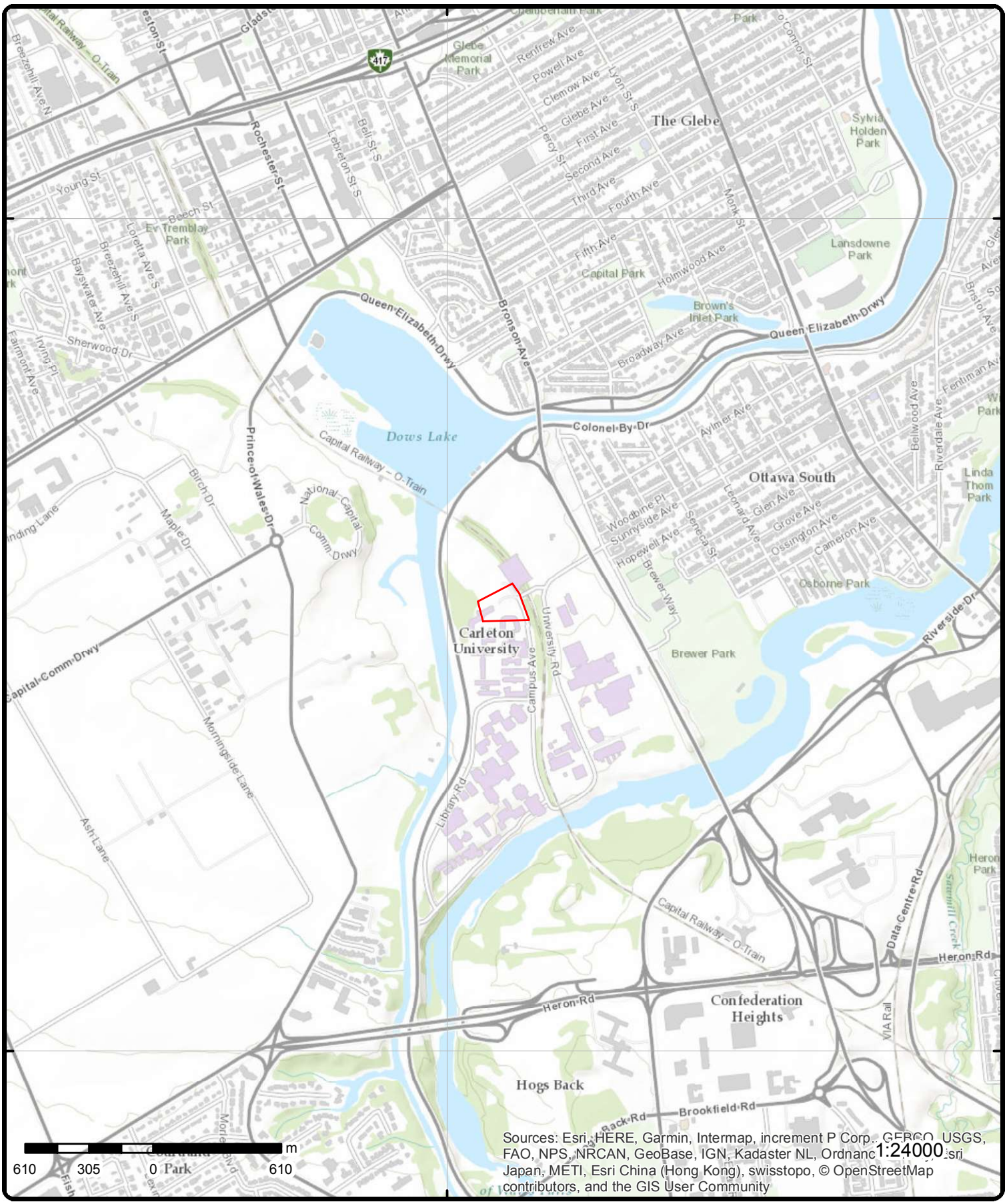
Aerial (2017)

Address: Carleton Univeristy, Ottawa, ON

Source: ESRI World Imagery

Order No: 20190920010

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: Carleton Univeristy, Ottawa, ON

Source: ESRI World Topographic Map

Order No: 20190920010

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	SE/7.2	62.9 / 0.00	OTTAWA ON	WWIS

Well ID:	7153842	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Not Used	**Date Received:**	11/2/2010
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	4875
Casing Material:		**Form Version:**	7
Audit No:	Z102919	**Owner:**	
Tag:		**Street Name:**	CAMPUS AVE.
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	OTTAWA CITY
Elevation Reliability:		**Site Info:**	COMMENS LOADING DOCK
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:	1003358833	**Elevation:**	64.240135
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	445460
Code OB Desc:		**North83:**	5026276
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	8/11/2010	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1003473119
Layer:	1
Color:	
General Color:	
Mat1:	
Most Common Material:	
Mat2:	
Other Materials:	
Mat3:	

Other Materials:
Formation Top Depth: 0
Formation End Depth: 30.42
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1003473121
Layer: 1
Plug From: 1.52
Plug To: 30.42
Plug Depth UOM: m

Pipe Information

Pipe ID: 1003473117
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003473123
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1003473124
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Results of Well Yield Testing

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

Flowing:

Hole Diameter

Hole ID: 1003473120
Diameter: 15.24
Depth From: 0
Depth To: 30.42
Hole Depth UOM: m
Hole Diameter UOM: cm

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

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

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

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: FUMEHOOD RETROFIT FOR STEACIE BUILDING
Contaminants:
Emission Control:

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2 | 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: 200204-1001
Posse File No: FS OIL 2006-00941
Posse Reg No: 5079
Tank Type:
Instance Number:
Facility Type:
Instance Type:
Status Name:
Fuel Type:
Distributor: Kildair Service Ltd
Tank Material:
Tank Age (as of 05/1992):
Tank Size:

Letter Sent:
Corrosion Protection:
Province:
Nbr:
Contact Name:
Contact Address: 1125 Colonelby Dr
Contact Address2:
Contact Suite:
Contact City: Ottawa
Contact Prov: ON
Contact Postal: K1S 5B6
Tank Address: 1125 Colonelby Dr(Diesel Tank @ Garage in Compound)
Comments:

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2 | 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: 200204-1000
Posse File No: FS OIL 2006-00941
Posse Reg No: 5078
Tank Type:
Instance Number:
Facility Type:
Instance Type:
Status Name:
Fuel Type:
Distributor: Kildair Service Ltd
Tank Material:
Tank Age (as of 05/1992):
Tank Size:

Letter Sent:
Corrosion Protection:
Province:
Nbr:
Contact Name:
Contact Address: 1125 Colonelby Dr
Contact Address2:
Contact Suite:
Contact City: Ottawa
Contact Prov: ON
Contact Postal: K1S 5B6
Tank Address: 1125 Colonelby Dr (Diesel Tank @ CHP)
Comments:

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2 | 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: 200204-0998
Posse File No: 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:	5076	**Nbr:**		
Tank Type:		**Contact Name:**		
Instance Number:		**Contact Address:**	1125 Colonelby Dr	
Facility Type:		**Contact Address2:**		
Instance Type:		**Contact Suite:**		
Status Name:		**Contact City:**	Ottawa	
Fuel Type:		**Contact Prov:**	ON	
Distributor:	Kildair Service Ltd	**Contact Postal:**	K1S 5B6	
Tank Material:		**Tank Address:**	1125 Colonelby Dr (Bunker #2 Tank)	
Tank Age (as of 05/1992):		**Comments:**		
Tank Size:				

2	**14 of 125**	**WNW/16.4**	**62.9 / 0.00**	***Carleton University*** ***1125 Colonelby Dr. (Bunker #1 Tank)*** ***OTTAWA ON***	***CFOT***

Licence No:		**Letter Sent:**		
Registration No:	200204-0997	**Corrosion Protection:**		
Posse File No:	FS OIL 2006-00941	**Province:**		
Posse Reg No:	5075	**Nbr:**		
Tank Type:		**Contact Name:**		
Instance Number:		**Contact Address:**	1125 Colonelby Dr	
Facility Type:		**Contact Address2:**		
Instance Type:		**Contact Suite:**		
Status Name:		**Contact City:**	Ottawa	
Fuel Type:		**Contact Prov:**	ON	
Distributor:	Kildair Service Ltd	**Contact Postal:**	K1S 5B6	
Tank Material:	steel	**Tank Address:**	1125 Colonelby Dr. (Bunker #1 Tank)	
Tank Age (as of 05/1992):	14	**Comments:**		
Tank Size:	20000			

2	**15 of 125**	**WNW/16.4**	**62.9 / 0.00**	***Carleton University*** ***1125 Colonelby Dr Bunker #3 Tank*** ***OTTAWA ON***	***CFOT***

Licence No:		**Letter Sent:**		
Registration No:	200204-0999	**Corrosion Protection:**		
Posse File No:	FS OIL 2006-00941	**Province:**		
Posse Reg No:	5077	**Nbr:**		
Tank Type:		**Contact Name:**		
Instance Number:		**Contact Address:**	1125 Colonelby Dr	
Facility Type:		**Contact Address2:**		
Instance Type:		**Contact Suite:**		
Status Name:		**Contact City:**	Ottawa	
Fuel Type:		**Contact Prov:**	ON	
Distributor:	Kildair Service Ltd	**Contact Postal:**	K1S 5B6	
Tank Material:		**Tank Address:**	1125 Colonelby Dr Bunker #3 Tank	
Tank Age (as of 05/1992):		**Comments:**		
Tank Size:				

2	**16 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:**	Impressed Current
Posse File No:		**Province:**	ON

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

Posse Reg No:				**Nbr:**	963
Tank Type:	Single Wall UST			**Contact Name:**	
Instance Number:	43227484			**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				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	17 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:**	964
Tank Type:	Single Wall UST			**Contact Name:**	
Instance Number:	43227485			**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:	2280				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	18 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:**	Impressed Current
Posse File No:				**Province:**	ON
Posse Reg No:				**Nbr:**	962
Tank Type:	Single Wall UST			**Contact Name:**	
Instance Number:	43227483			**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				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	19 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

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

Posse Reg No:		**Nbr:**	364	
Tank Type:	Single Wall UST	**Contact Name:**		
Instance Number:	40436980	**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			

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2 **20 of 125** **WNW/16.4** **62.9 / 0.00** **CARLETON UNIVERSITY** **CFOT**
1125 COLONEL BY DR
OTTAWA ON K1S 5B6

Licence No:		**Letter Sent:**	
Registration No:		**Corrosion Protection:**	
Posse File No:		**Province:**	ON
Posse Reg No:		**Nbr:**	363
Tank Type:	Single Wall UST	**Contact Name:**	
Instance Number:	40436979	**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		

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2 **21 of 125** **WNW/16.4** **62.9 / 0.00** **CARLETON UNIVERSITY** **CFOT**
1125 COLONEL BY DR
OTTAWA ON K1S 5B6

Licence No:		**Letter Sent:**	
Registration No:		**Corrosion Protection:**	
Posse File No:		**Province:**	ON
Posse Reg No:		**Nbr:**	362
Tank Type:	Single Wall UST	**Contact Name:**	
Instance Number:	40392813	**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		

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2 **22 of 125** **WNW/16.4** **62.9 / 0.00** **CARLETON UNIVERSITY** **CFOT**
1125 COLONEL BY DR
OTTAWA ON K1S 5B6

Licence No:		**Letter Sent:**	
Registration No:		**Corrosion Protection:**	Impressed Current
Posse File No:		**Province:**	ON

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		

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

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

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

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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
Approval Date: 2008-08-08
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/9091-7ETQTT-14.pdf
MOE District: Ottawa
City:
Longitude: -75.69814
Latitude: 45.384583
Geometry X:
Geometry Y:

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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
Approval Date: 2004-12-23
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/7050-63RQVU-14.pdf
MOE District: Ottawa
City:
Longitude: -75.69814
Latitude: 45.384583
Geometry X:
Geometry Y:

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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
Approval Date: 2003-04-25
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/8574-5JELLX-14.pdf
MOE District: Ottawa
City:
Longitude: -75.69814
Latitude: 45.384583
Geometry X:
Geometry Y:

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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
Approval Date: 2002-03-01
Status: Approved
MOE District: Ottawa
City:
Longitude: -75.69814

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

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 Drive		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/5244-53TMVY-14.pdf		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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	**MOE District:**	Ottawa
Approval Date:	2005-01-14	**City:**	
Status:	Revoked and/or Replaced	**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/1696-63RQS6-14.pdf		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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	**MOE District:**	Ottawa
Approval Date:	2017-04-04	**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/4014-A5UL3A-14.pdf		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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	**MOE District:**	Ottawa
Approval Date:	2002-09-16	**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/5717-5AVU7G-14.pdf		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Complete Report	**Client Prov/State:**	ON
Report Date:	10/24/03	**Search Radius (km):**	0.45
Date Received:	10/16/03	**X:**	-75.693882
Previous Site Name:		**Y:**	45.386202
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans and/or Inspection Reports		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	37 of 125	WNW/16.4	62.9 / 0.00	1125 Colonel By Dr Ottawa ON	EHS

Order No:	20040421003	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Complete Report	**Client Prov/State:**	ON
Report Date:	4/29/04	**Search Radius (km):**	0.25
Date Received:	4/21/04	**X:**	-75.695445
Previous Site Name:		**Y:**	45.386152
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	38 of 125	WNW/16.4	62.9 / 0.00	1125 Colonel By Drive Ottawa ON	EHS

Order No:	20070131041	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	CAN - Custom Report	**Client Prov/State:**	
Report Date:	2/6/2007	**Search Radius (km):**	0.25
Date Received:	1/31/2007	**X:**	-75.697878
Previous Site Name:		**Y:**	45.386445
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps And /or Site Plans; Title Search		

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	41 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DR OTTAWA ON K1S 5B6	FST

Instance No: 10902356
Cont Name:
Instance Type: FS Liquid Fuel Tank
Fuel Type: Diesel
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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	42 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DR OTTAWA ON	FSTH

License Issue Date: 7/9/1990
Tank Status: Licensed
Tank Status As Of: August 2007
Operation Type: Private Fuel Outlet
Facility Type: Gasoline Station - Self Serve

--Details--
Status: Active
Year of Installation: 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

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

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

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2 ***44 of 125*** ***WNW/16.4*** ***62.9 / 0.00*** ***Alinea Dental*** ***GEN***
1125 Colonel By Dr Suite 2100
Ottawa ON K1S5R1

Generator No: ON3368236
Status: Registered
Approval Years: As of Jul 2019
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: 312 P
Waste Class Desc: Pathological wastes

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2 ***45 of 125*** ***WNW/16.4*** ***62.9 / 0.00*** ***CARLETON UNIVERSITY*** ***GEN***
1125 COLONEL BY DRIVE
OTTAWA ON K1S 5B6

Generator No: ON0051100
Status: Registered
Approval Years: As of Jul 2019
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: 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

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:		112 C			
Waste Class Desc:		Acid solutions - containing heavy metals			
Waste Class:		263 L			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		121 C			
Waste Class Desc:		Alkaline slutions - containing heavy metals			
Waste Class:		253 L			
Waste Class Desc:		Emulsified oils			
Waste Class:		148 C			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		263 B			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		263 C			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			
Waste Class:		211 H			
Waste Class Desc:		Aromatic solvents and residues			
Waste Class:		212 L			
Waste Class Desc:		Aliphatic solvents and residues			
Waste Class:		221 I			
Waste Class Desc:		Light fuels			
Waste Class:		331 C			
Waste Class Desc:		Waste compressed gases including cylinders			
Waste Class:		113 C			
Waste Class Desc:		Acid solutions - containing other metals and non-metals			
Waste Class:		261 A			
Waste Class Desc:		Pharmaceuticals			
Waste Class:		263 I			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		148 I			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		211 I			
Waste Class Desc:		Aromatic solvents and residues			
Waste Class:		263 T			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		264 T			
Waste Class Desc:		Photoprocessing wastes			
Waste Class:		148 A			
Waste Class Desc:		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***

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

2	***47 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:	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		

Detail(s)

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

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2 | ***48 of 125*** | ***WNW/16.4*** | ***62.9 / 0.00*** | ***CARLETON UNIVERSITY***
1125 COLONEL BY DRIVE
OTTAWA ON K1S 5B6 | ***GEN***

Generator No: ON0051100
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 611310
SIC Description: UNIVERSITIES

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Tina Preseau
Phone No Admin: 613-520-2600 Ext.3809

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
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

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

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
Status:
Approval Years: 2015
Contam. Facility: No

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

MHSW Facility: No
SIC Code: 621210
SIC Description: OFFICES OF DENTISTS
Phone No Admin: 6135213368 Ext.

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

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2 | ***51 of 125*** | ***WNW/16.4*** | ***62.9 / 0.00*** | ***CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA ON*** | ***GEN***

Generator No: ON0051100
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 611310
SIC Description: Universities
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 113
Waste Class Desc: ACID WASTE - OTHER METALS

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

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: 213
Waste Class Desc: PETROLEUM DISTILLATES

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: 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

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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

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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)

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

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

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

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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
Status:
Approval Years: 06
Contam. Facility:
MHSW Facility:
SIC Code: 541380
SIC Description: Testing Laboratories

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

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: 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

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2 | **55 of 125** | **WNW/16.4** | **62.9 / 0.00** | **Carleton University 1125 Colonel By Drive Ottawa ON** | **GEN**

Generator No: ON3770520
Status:
Approval Years: 06,07,08
Contam. Facility:
MHSW Facility:
SIC Code: 621110
SIC Description: Offices of Physicians

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

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

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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**

Ottawa ON

Generator No: ON1473889
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 541380
SIC Description: Testing Laboratories

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

Detail(s)

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

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2 ***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***

Generator No: ON1473889
Status:
Approval Years: 07,08
Contam. Facility:
MHSW Facility:
SIC Code: 541380
SIC Description: Testing Laboratories

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

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

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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
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

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

Detail(s)

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

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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
Status:
Approval Years: 2016
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: JIAN JUN YANG
Phone No Admin: 6139986984 Ext.

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

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

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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	**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:	541380		
SIC Description:	TESTING LABORATORIES		

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

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

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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
Status:
Approval Years: 2015
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: 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

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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
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 541380
SIC Description: TESTING LABORATORIES

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

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

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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
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:

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

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

SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

Detail(s)

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

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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
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 621110
SIC Description: Offices of Physicians

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

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

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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
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 541380
SIC Description: Testing Laboratories

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

Detail(s)

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

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

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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
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 621210
SIC Description: OFFICES OF DENTISTS

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Christian Ramos
Phone No Admin: 6135213368 Ext.

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

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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
Status:
Approval Years: 03,04,05
Contam. Facility:
MHSW Facility:
SIC Code: 541380
SIC Description: Testing Laboratories

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

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
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

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

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	69 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA ON	GEN

Generator No: ON0051100
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 611310
SIC Description: Universities

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

Detail(s)

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

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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2 | ***70 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***

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

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

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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

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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: ***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: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 242
Waste Class Desc: HALOGENATED PESTICIDES

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

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 147
Waste Class Desc: CHEMICAL FERTILIZER WASTES

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

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: ON1473889 ***PO Box No:***
Status: ***Country:***
Approval Years: 2009 ***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

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2 | 74 of 125 | WNW/16.4 | 62.9 / 0.00 | **CARLETON UNIVERSITY**
1125 COLONEL BY DRIVE
OTTAWA ON K1S 5B6 | GEN

Generator No: ON0051100
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 611310
SIC Description: UNIVERSITIES

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Tina Preseau
Phone No Admin: 613-520-2600 Ext.3809

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

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

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2 ***75 of 125*** ***WNW/16.4*** ***62.9 / 0.00*** ***Sports Medicine Clinic*** ***GEN***
Carleton University 1125 Colonel By Dr
Ottawa ON K1S 5B6

Generator No: ON8145235
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 621110
SIC Description: Offices of Physicians

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

Detail(s)

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

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2 ***76 of 125*** ***WNW/16.4*** ***62.9 / 0.00*** ***Carleton University*** ***GEN***
1125 Colonel By Drive
Ottawa ON

Generator No: ON3770520
Status:
Approval Years: 2010
Contam. Facility:

PO Box No:
Country:
Choice of Contact:
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

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2 ***77 of 125*** ***WNW/16.4*** ***62.9 / 0.00*** ***CARLETON UNIVERSITY*** ***GEN***
1125 COLONEL BY DRIVE
OTTAWA ON

Generator No: ON0051100 ***PO Box No:***
Status: ***Country:***
Approval Years: 2010 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code: 611310
SIC Description: Universities

Detail(s)

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
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: 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
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 325189, 325190
SIC Description: All Other Basic Inorganic Chemical Manufacturing, Other Basic Organic Chemical Manufacturing

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

Detail(s)

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
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 621110
SIC Description: Offices of Physicians

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

Detail(s)

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

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		

Detail(s)

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

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

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

Generator No: ON8145235
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

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

Detail(s)

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

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

Generator No: ON0051100
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: 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

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

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

2	86 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:	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		

Detail(s)

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

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

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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:

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

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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:

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

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2 | **89 of 125** | **WNW/16.4** | **62.9 / 0.00** | **CARLETON UNIVERSITY 09-070**
1125 COLONEL BY DRIVE
OTTAWA ON | **GEN**

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		

Detail(s)

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
Status:
Approval Years: 02,03,04
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	91 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA ON	GEN

Generator No: ON0051100
Status:
Approval Years: 92,93,95,96,97,98,99,00,01,02,03,04,05,06,07,08
Contam. Facility:
MHSW Facility:
SIC Code: 8531
SIC Description: UNIVERSITY EDUCATION

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

Detail(s)

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

Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
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
Waste Class:	254
Waste Class Desc:	TRANSFER STATION OILS WASTES
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 ***92 of 125*** ***WNW/16.4*** ***62.9 / 0.00*** ***GHG***

Carleton university
1125 Colonel By Drive
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&TVD=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

GHG Emission Details

CO2 tonnes:	17182	**HFC-143 t CO2e:**	0
CO2 tonnes CO2e:	17182	**HFC-227ea tonnes:**	
CH4 tonnes:	0.34	**HFC-227ea t CO2e:**	0
CH4 tonnes CO2e:	8.5	**HFC-236fa tonnes:**	
N2O tonnes:	0.31998	**HFC-236fa t CO2e:**	0
N2O tonnes CO2e:	95.35404	**HFC-245ca tonnes:**	
HFC-23 tonnes:		**HFC-245ca t CO2e:**	0
HFC-23 tonnes CO2e:	0	**HFC Total t Co2e:**	0
HFC-32 tonnes:		**CF4 tonnes:**	
HFC-32 tonnes CO2e:	0	**CF4 tonnes CO2e:**	0
HFC-125 tonnes:		**C2F6 tonnes:**	
HFC-125 t CO2e:	0	**C2F6 tonnes CO2e:**	0
HFC-134a tonnes:		**C3F8 tonnes:**	
HFC-134a t CO2e:	0	**C3F8 tonnes CO2e:**	0
HFC-143a tonnes:		**C4F10 tonnes:**	
HFC-143a ton CO2e:	0	**C4F10 tonnes CO2e:**	0
HFC-152a tonnes:		**C4F8 tonnes:**	
HFC-152a ton CO2e:	0	**C4F8 tonnes CO2e:**	0
HFC-41 tonnes:		**C5F12 tonnes:**	
HFC-41 tonnes CO2e:	0	**C5F12 tonnes CO2e:**	0
HFC-43 10mee t:		**C6F14 tonnes:**	
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:**	
HFC-143 tonnes:		**SF6 tonnes CO2e:**	0

2	***93 of 125***	***WNW/16.4***	***62.9 / 0.00***	***1125 COLONEL BY DRIVE OTTAWA ON***	***HINC***

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 Occurence Type:	Leak
Fuel Type Involved:	Diesel
Date of Occurence:	2014/07/02 00:00:00
Time of Occurence:	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:	
Occurence Narrative:	minor, weeping leaks at piping joints
Tank Material Type:	
Tank Storage Type:	
Tank Location Type:	
Pump Flow Rate Capac:	
Liquid Prop Notes:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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 Occurence Type:	Leak
Fuel Type Involved:	Other Hydrocarbon Fuel
Date of Occurence:	2014/03/24 00:00:00
Time of Occurence:	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:	
Occurence 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:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	96 of 125	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 Occurence Type:	Leak
Fuel Type Involved:	Fuel Oil
Date of Occurence:	2016/05/12 00:00:00
Time of Occurence:	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:	
Occurence Narrative:	sump pit with product
Tank Material Type:	
Tank Storage Type:	
Tank Location Type:	
Pump Flow Rate Capac:	
Liquid Prop Notes:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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:
Status: Stored for disposal
Contents:

Label:
Serial No.:
PCB Type/Code: Askarel/Askarel
Location: BUILDING 17
Item/State:
No. of Items:
Manufacturer:
Status: In-Use
Contents:

Label:
Serial No.:
PCB Type/Code: Askarel/Askarel
Location: BUILDING 20
Item/State:
No. of Items:
Manufacturer:
Status: In-Use
Contents:

Label:
Serial No.:
PCB Type/Code: Askarel/Askarel
Location: BUILDING 7
Item/State:
No. of Items:
Manufacturer:
Status: In-Use
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: OR23582
Serial No.: QB218
PCB Type/Code: ASKAREL/ASKAREL
Location: IN STORAGE
Item/State: TRANSFORMER/FULL
No. of Items: 1
Manufacturer: FOSTER
Status: STORED FOR DISPOSAL
Contents: 1741 L

Label: OR23589

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

Status: IN-USE
Contents: 1239 L

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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

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

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2 | ***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:**	

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		

Substance Release Report

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

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		

Substance Release Report

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

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

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		

Substance Release Report

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

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

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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	**Org ID:**	41617
Other ID:	N	**Submit Date:**	5/23/2007
No Other ID:		**Last Modified:**	5/29/2015 3:28:24 PM
Track ID:	43856	**Contact ID:**	215748
Report ID:	103557	**Cont Type:**	MED
Report Type:	NPRI	**Contact Title:**	
Rpt Type ID:	1	**Cont First Name:**	STEPHANIE
Report Year:	2006	**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:**	False
Pollut Prev Cmnts:	False	**No Off Sites:**	
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

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:	.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

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2 | ***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

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: .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

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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:		Carleton University			
Additional Site Information:					

2	107 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	OPCB

Year:	2004
Site Number:	40288A214
Name Owner:	
Additional Site Information:	

2	108 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Dr. Ottawa ON K1S 5B6	OPCB

Year:	2012
Site Number:	40288A214
Name Owner:	Carleton University
Additional Site Information:	

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:	1945
Plant Size (ft²):	
Employment:	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:	01-AUG-75
Plant Size (ft²):	
Employment:	
--Details--	
Description:	Newspaper Publishers
SIC/NAICS Code:	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:	01-DEC-94
Plant Size (ft²):	
Employment:	
--Details--	
Description:	Technical and Trade Schools
SIC/NAICS Code:	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):
Employment: 5

--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

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2 | ***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:			

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2 | ***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:			

Incident Summary: RW Tomlinson: 19 L hydraulic fluid to road and CB
Contaminant Qty: 19 L

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2 **118 of 125** **WNW/16.4** **62.9 / 0.00** **Enbridge Gas Distribution Inc.** **SPL**
1125 Colonel By Dr
Ottawa ON K1S 5B6

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

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2 **119 of 125** **WNW/16.4** **62.9 / 0.00** **S 21 (1)(f) of FIPPA** **SPL**
1125 Colonel By Dr
Ottawa ON K1S 5B6

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:

Site Geo Ref Meth:
Incident Summary: Carleton University-cross contamination storm and raw sewage
Contaminant Qty:

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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

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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

Contaminant Qty: 215 lb

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2 **122 of 125** **WNW/16.4** **62.9 / 0.00** **Carleton University** **SPL**
1125 Colonel By Drive
Ottawa ON

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		

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2 **123 of 125** **WNW/16.4** **62.9 / 0.00** **Enbridge Gas <UNOFFICIAL>** **SPL**
1125 Colonel Drive
Ottawa ON

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

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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

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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

Contaminant Qty: 0 other - see incident description

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3 **1 of 1** **SSW/29.8** **63.8 / 0.97** **ON** **BORE**

Borehole ID: 612947
OGF ID: 215514253
Status:
Type: Borehole
Use:
Completion Date: MAY-1972
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 11.1
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 63.6
Elev Reliabil Note:
DEM Ground Elev m: 63.4
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: 45.387654
Longitude DD: -75.697853
UTM Zone: 18
Easting: 445371
Northing: 5026252
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218393098
Top Depth: 0
Bottom Depth: .3
Material Color:
Material 1:
Material 2: Clay
Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: ARTIFICIAL.

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

Geology Stratum ID: 218393099
Top Depth: .3
Bottom Depth: .8
Material Color:
Material 1:
Material 2: Till
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: ARTIFICIAL.

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

Geology Stratum ID: 218393101
Top Depth: 3
Bottom Depth: 5.5
Material Color: Brown
Material 1: Clay
Material 2: Silt
Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: CLAY. BROWN,GREY,STIFF.

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

Geology Stratum ID: 218393102
Top Depth: 5.5

Mat Consistency: Loose
Material Moisture:

Bottom Depth: 6.2
Material Color:
Material 1: Silt
Material 2: Sand
Material 3: Gravel
Material 4:
Gsc Material Description:
Stratum Description: SILT. VERY LOOSE.

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

Geology Stratum ID: 218393100
Top Depth: .8
Bottom Depth: 3
Material Color:
Material 1:
Material 2: Clay
Material 3: Till
Material 4:
Gsc Material Description:
Stratum Description: ARTIFICIAL.

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

Geology Stratum ID: 218393106
Top Depth: 9.9
Bottom Depth: 11.1
Material Color:
Material 1: Unknown
Material 2: Till
Material 3: Shale
Material 4:
Gsc Material Description:
Stratum Description: 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: Dense
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218393103
Top Depth: 6.2
Bottom Depth: 7
Material Color:
Material 1: Unknown
Material 2: Till
Material 3: Clay
Material 4:
Gsc Material Description:
Stratum Description: UNSPECIFIED. LOOSE.

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

Geology Stratum ID: 218393104
Top Depth: 7
Bottom Depth: 7.6
Material Color: Grey
Material 1: Clay
Material 2: Silt
Material 3: Gravel
Material 4:
Gsc Material Description:
Stratum Description: CLAY. GREY,SOFT.

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

Geology Stratum ID: 218393105
Top Depth: 7.6
Bottom Depth: 9.9
Material Color:
Material 1: Unknown
Material 2: Till
Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: 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

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: 054550 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		

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

Borehole ID:	612945	***Inclin FLG:***	No
OGF ID:	215514251	***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:***	45.387469
Total Depth m:	11.9	***Longitude DD:***	-75.698745
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	445301
Drill Method:		***Northing:***	5026232
Orig Ground Elev m:	63.9	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	63.3		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218393092	***Mat Consistency:***	Dense
Top Depth:	9.1	***Material Moisture:***	
Bottom Depth:	11	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Till	***Geologic Formation:***	
Material 2:	Gravel	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	TILL. VERY DENSE.		

Geology Stratum ID:	218393086	***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:	Fill	***Geologic Group:***	

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:**	

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		

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5 ***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.		

Geology Stratum ID: 218393164
Top Depth: 3
Bottom Depth: 4.6
Material Color:
Material 1: Sand
Material 2: Silt
Material 3: Gravel
Material 4:
Gsc Material Description:
Stratum Description: SAND. DENSE.

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

Geology Stratum ID: 218393162
Top Depth: .8
Bottom Depth: 2.3
Material Color:
Material 1: Unknown
Material 2: Till
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: UNSPECIFIED. DENSE.

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

Geology Stratum ID: 218393163
Top Depth: 2.3
Bottom Depth: 3
Material Color:
Material 1: Sand
Material 2: Silt
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SAND. DENSE.

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

Geology Stratum ID: 218393165
Top Depth: 4.6
Bottom Depth: 5
Material Color:
Material 1: Sand
Material 2: Silt
Material 3:
Material 4:
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.

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

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence: H
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 054700 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)

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

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

Source Originators: Geological Survey of Canada

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6 | **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:

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7 | **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
%CommericialWste: 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

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8 | **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

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:			

Borehole Geology Stratum

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.

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 05480 NTS_Sheet:		
Confiden 1:			

Source List

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

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

Well ID: 1508070
Construction Date:
Primary Water Use: Cooling And A/C
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 9/5/1962
Selected Flag: Yes
Abandonment Rec:
Contractor: 1802
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10030105
DP2BR: 15
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 6/4/1962
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 64.11267
Elevrc:
Zone: 18
East83: 445300.7
North83: 5026472
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

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

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

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10578675
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933462427
Layer:	2
Kind Code:	5
Kind:	Not stated
Water Found Depth:	120
Water Found Depth UOM:	ft

Water Details

Water ID:	933462429
Layer:	4
Kind Code:	5
Kind:	Not stated
Water Found Depth:	165
Water Found Depth UOM:	ft

Water Details

Water ID:	933462426
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	50
Water Found Depth UOM:	ft

Water Details

Water ID:	933462428
Layer:	3
Kind Code:	5
Kind:	Not stated
Water Found Depth:	150
Water Found Depth UOM:	ft

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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:	

Operated By:
Serial: MOEE 1012
NTS: 31G05
Diameter (m):

Historical Summary:

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].

Waste Type:
UTM X Nad 27: 445550
UTM Y Nad 27: 5026150
UTM Zone: 18

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10 ***1 of 2*** ***NE/147.4*** ***60.9 / -2.00*** ***1125 Colonel By Dr Ottawa ON K1S5B6*** ***EHS***

Order No: 20161003158
Status: C
Report Type: Standard Report
Report Date: 11-OCT-16
Date Received: 03-OCT-16
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: City Directory; Aerial Photos

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.698076
Y: 45.381344

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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
Other ID: N
No Other ID:
Track ID: 62893
Report ID: 123174
Report Type: NPRI
Rpt Type ID: 1
Report Year: 2008
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: No
URL:

Org ID: 41617
Submit Date: 5/15/2009
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:

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		

Substance Release Report

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:	

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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:			

Survey D:
Comments:

Borehole Geology Stratum

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. 0000000500055008001600150060001000800050005000650100018001619VERY 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.		

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: 054640 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		

12	***1 of 1***	***SW/165.2***	***65.9 / 3.00***	***ON***	***BORE***

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

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.

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

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13 | **1 of 2** | **SSW/169.5** | **65.9 / 3.04** | **ON** | **WWIS**

Well ID: 1508071
Construction Date:
Primary Water Use: Public
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Data Entry Status:
Data Src: 1
Date Received: 12/3/1963
Selected Flag: Yes
Abandonment Rec:
Contractor: 1802
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10030106
DP2BR: 20
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 8/16/1963
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 64.078811
Elevrc:
Zone: 18
East83: 445330.7
North83: 5026112
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 931008728
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:	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

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10578676
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Casing

Casing ID:	930052869
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:	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

Water Details

Water ID:	933462431
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	150
Water Found Depth UOM:	ft

Water Details

Water ID:	933462432
Layer:	3
Kind Code:	1
Kind:	FRESH
Water Found Depth:	200
Water Found Depth UOM:	ft

Water Details

Water ID:	933462430
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80
Water Found Depth UOM:	ft

13 ***2 of 2*** ***SSW/169.5*** ***65.9 / 3.04*** ***ON*** ***WWIS***

Well ID:	1508072	***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:	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

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

Water ID: 933462433
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 80
Water Found Depth UOM: ft

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14 *1 of 2* — *NE/170.7* — *60.6 / -2.31* — *CARLETON UNIVERSITY*
1125 COL. BY DR., HERZBERG LAB
OTTAWA CITY ON — *CA*

Certificate #: 8-4119-95-
Application Year: 95
Issue Date: 9/5/1995
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: NEW EXHAUST STACK FOR RADIOISOTOPE HOOD
Contaminants:
Emission Control:

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14 *2 of 2* — *NE/170.7* — *60.6 / -2.31* — *CARLETON UNIVERSITY*
1125 COL. BY DR.,HERZBERG LABS
OTTAWA CITY ON — *CA*

Certificate #: 8-4118-95-
Application Year: 95
Issue Date: 9/5/1995
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: INSTALL VENT STACK AT HERZBERG LAB.
Contaminants:
Emission Control:

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15 *1 of 1* — *NNE/183.5* — *63.2 / 0.30* — *1125 Colonel By Drive*
Ottawa ON K1S 5B6 — *EHS*

Order No: 20190509006
Status: C
Report Type: Custom Report
Report Date: 13-MAY-19
Date Received: 09-MAY-19
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.69674
Y: 45.390662

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16 *1 of 1* — *W/186.2* — *64.8 / 1.87* — *ON* — *BORE*

Borehole ID: 612953
OGF ID: 215514258
Inclin FLG: No
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:**	45.388265
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:			

Borehole Geology Stratum

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. 0000000600010008000500050006501000180016l9VERY DENSE. 00010 013 00025 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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		

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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:**	

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

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:**	

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		

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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:***	

Bottom Depth:	7.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Organic	**Geologic Formation:**	
Material 2:	Humus	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	organic
Gsc Material Description:			
Stratum Description:	ORGANIC.		

Geology Stratum ID:	218393156	**Mat Consistency:**	
Top Depth:	3.8	**Material Moisture:**	
Bottom Depth:	5.2	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:		**Geologic Formation:**	
Material 2:	Granuls	**Geologic Group:**	
Material 3:	Wood Fragments	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	ARTIFICIAL.		

Geology Stratum ID:	218393152	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.8	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:		**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:	Asphalt	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	ARTIFICIAL.		

Geology Stratum ID:	218393154	**Mat Consistency:**	
Top Depth:	1.5	**Material Moisture:**	
Bottom Depth:	3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:		**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Clay	**Geologic Period:**	
Material 4:	Brick fragments	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	ARTIFICIAL.		

Geology Stratum ID:	218393160	**Mat Consistency:**	
Top Depth:	9.7	**Material Moisture:**	
Bottom Depth:	12.6	**Material Texture:**	
Material Color:	Red	**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK. 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.		

Geology Stratum ID:	218393155	**Mat Consistency:**	
Top Depth:	3	**Material Moisture:**	
Bottom Depth:	3.8	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:		**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Humus	**Geologic Period:**	
Material 4:	Granuls	**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	ARTIFICIAL.		

Geology Stratum ID:	218393158	**Mat Consistency:**	Dense

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		

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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:			

Comments:

Borehole Geology Stratum

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:***	

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		

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

Geology Stratum ID:	218393196	**Mat Consistency:**	
Top Depth:	1.5	**Material Moisture:**	
Bottom Depth:	1.8	**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.		

Geology Stratum ID:	218393197	**Mat Consistency:**	Stiff
Top Depth:	1.8	**Material Moisture:**	
Bottom Depth:	3.4	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. GREY,BROWN, STIFF TO VERY STIFF.		

Geology Stratum ID:	218393195	**Mat Consistency:**	Loose
Top Depth:	0	**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. GREY,BROWN,LOOSE.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 054790 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		

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:**	

Completion Date:	MAR-1961	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.385945
Total Depth m:	19.8	**Longitude DD:**	-75.697576
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	445391
Drill Method:		**Northing:**	5026062
Orig Ground Elev m:	61.9	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	63.8		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218392997	**Mat Consistency:**	Dense
Top Depth:	.3	**Material Moisture:**	
Bottom Depth:	3.5	**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:	218392999	**Mat Consistency:**	Dense
Top Depth:	6.1	**Material Moisture:**	
Bottom Depth:	6.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Unknown	**Geologic Formation:**	
Material 2:	Till	**Geologic Group:**	
Material 3:	Silt	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	UNSPECIFIED. DENSE.		

Geology Stratum ID:	218392996	**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:	218393004	**Mat Consistency:**	
Top Depth:	15.1	**Material Moisture:**	
Bottom Depth:	19.8	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK. 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.		

Geology Stratum ID:	218393001	**Mat Consistency:**	Dense
Top Depth:	6.6	**Material Moisture:**	

Bottom Depth:	11.1	**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:	218393003	**Mat Consistency:**	
Top Depth:	13.7	**Material Moisture:**	
Bottom Depth:	15.1	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK.		

Geology Stratum ID:	218392998	**Mat Consistency:**	Dense
Top Depth:	3.5	**Material Moisture:**	
Bottom Depth:	6.1	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Boulders	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	TILL. DENSE.		

Geology Stratum ID:	218393000	**Mat Consistency:**	Dense
Top Depth:	6.4	**Material Moisture:**	
Bottom Depth:	6.6	**Material Texture:**	Medium
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND-MEDIUM. DENSE.		

Geology Stratum ID:	218393002	**Mat Consistency:**	Dense
Top Depth:	11.1	**Material Moisture:**	
Bottom Depth:	13.7	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Boulders	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	TILL. 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: 054340 NTS_Sheet: 31G05G		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

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

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*	*E/248.4*	*59.8 / -3.03*	***1125 colonel by drive Ottawa ON K1S 5B6***	***EHS***

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:
Location:
Region:
Ministry District:
Description: 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
Comment Period:
URL: http://www.ebr.gov.on.ca/ERS-WEB-External/displaynoticecontent.do?noticeId=MTI0MDI3&statusId=MjA5NDA4&language=en

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

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

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

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	***Natural Attenuation:***	
Oper Status 2016:	Historic	***Liners:***	
C of A Issue Date:		***Cover Material:***	
C of A Issued to:		***Leachate Off-Site:***	
Lndfl Gas Mgmt (P):		***Leachate On Site:***	
Lndfl Gas Mgmt (F):		***Req Coll Lndfll Gas:***	
Lndfl Gas Mgmt (E):		***Lndfll Gas Coll:***	
Lndfl Gas Mgmt Sys:		***Total Waste Rec:***	
Landfill Gas Mntr:		***TWR Methodology:***	
Leachate Coll Sys:		***TWR Unit:***	
ERC Est Vol (m3):		***Tot Aprv Cap Unit:***	
ERC Volume Unit:		***Financial Assurance:***	
ERC Dt Last Det:		***Last Report Year:***	
Landfill Type:		***MOE Region:***	
Source File Type:	Historic and Closed Landfills	***MOE District:***	
Fill Rate:		***Site County:***	
Fill Rate Unit:		***Lot:***	
Tot Fill Area (ha):		***Concession:***	
Tot Site Area (ha):		***Latitude:***	
Footprint:		***Longitude:***	
Tot Apprv Cap (m3):		***Easting:***	
Contam Atten Zone:		***Northing:***	
Grndwtr Mntr:		***UTM Zone:***	
Surf Wtr Mntr:		***Data Source:***	
Air Emis Monitor:			
Approved Waste Type:			
Client Site Name:	Carleton University Dump		
ERC Methodology:			
Site Name:			
Site Location Details:	Ottawa		
Service Area:			
Page URL:			

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:***	
Fuel Occurrence Tp:		***Enforce Policy:***	Yes
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:		***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:	NOT ANTICIPATED	***Site Municipality:***	20101
Nature of Impact:	Water course or lake	***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:	11/30/1993	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	ERROR	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	CONSTRUCTION COMPANY- DIESEL TO RIVER FROM OVERTURNED CRANE.		
Contaminant Qty:			

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

Database: ***SPL***

Ref No:	9634	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	9/21/1988	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER CONTAINER LEAK	***Sector Type:***	
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:		***Site Municipality:***	20101
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	CITY OF OTTAWA
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	9/21/1988	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	UNKNOWN	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	OMHEU TRUCK-100 L GASOLINE SPILLED TO CATCHBASIN AND ROAD		
Contaminant Qty:			

Site:
Bronson Ave Ottawa ON

Database: ***SPL***

Ref No:	5310-7DDTQN	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Unknown	***Sector Type:***	Other Motor Vehicle
Incident Event:		***Agency Involved:***	
Contaminant Code:	27	***Nearest Watercourse:***	
Contaminant Name:	COOLANT N.O.S.	***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:		***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>***
Campus Avenue Ottawa ON

Database: ***SPL***

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: ***Database:*** ***SPL***
Colonel By Drive Ottawa ON

Ref No:	4024-A2TQK9	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	9/29/2015	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	Miscellaneous Industrial
Incident Event:		***Agency Involved:***	
Contaminant Code:	12	***Nearest Watercourse:***	Rideau Canal
Contaminant Name:	GASOLINE	***Site Address:***	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:		***Northing:***	
MOE Response:	No	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	9/29/2015	***Site Map Datum:***	
Dt Document Closed:	11/23/2015	***SAC Action Class:***	Highway Spills (usually highway accidents)
Incident Reason:	Unknown / N/A	***Source Type:***	

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

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

Ref No:	7565-ADJP4L	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	9/6/2016	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	Miscellaneous Industrial
Incident Event:	Leak/Break	***Agency Involved:***	
Contaminant Code:	35	***Nearest Watercourse:***	
Contaminant Name:	NATURAL GAS (METHANE)	***Site Address:***	Colonel By Drive building 10, Carleton University
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:	9/6/2016	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error	***Source Type:***	

Site Name: commercial<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: TSSA: Carleton Unv, 1 inch, safe
Contaminant Qty: 0 n/a

Site: ***Database:*** ***SPL***

Colonel By Street and Rideau Canal Ottawa ON

Ref No:	2247-765LKU	***Discharger Report:***	
Site No:		***Material Group:***	Oil
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Other Discharges	***Sector Type:***	Other Watercraft
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	OIL (PETROLEUM BASED, NOT SPECIFIED)	***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:	Water	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	Referral to others	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	8/16/2007	***Site Map Datum:***	
Dt Document Closed:	9/12/2007	***SAC Action Class:***	
Incident Reason:	Unknown - Reason not determined	***Source Type:***	
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		

Site: ***Database:*** ***SPL***

City of Ottawa
Exit onto Bronson Ave Ottawa ON

Ref No:	3585-5RV5CT	***Discharger Report:***	
Site No:		***Material Group:***	Oil
Incident Dt:	9/29/2003	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Unknown	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	POWER STEARING FLUID	***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:		***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:	9/29/2003	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Spills
Incident Reason:	Other - Reason not otherwise defined	***Source Type:***	
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		

Site: ***Database:*** ***SPL***

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

Ref No:	125916	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	5/4/1996	***Health/Env Conseq:***	

Year:		***Client Type:***	
Incident Cause:	CONTAINER OVERFLOW	***Sector Type:***	
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:	NOT ANTICIPATED	***Site Municipality:***	20101
Nature of Impact:	Water course or lake	***Site Lot:***	
Receiving Medium:	WATER	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	WORKS
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	5/4/1996	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	ERROR	***Source Type:***	
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:			

Site: ***R W Tomlinson***
Ottawa ON

Database: ***SPL***

Ref No:	0423-A2EPDC	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	9/4/2015	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	Miscellaneous Industrial
Incident Event:		***Agency Involved:***	
Contaminant Code:	27	***Nearest Watercourse:***	
Contaminant Name:	CONCRETE	***Site Address:***	
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:		***Northing:***	
MOE Response:	No	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	9/16/2015	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Land Spills
Incident Reason:	Unknown / N/A	***Source Type:***	
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		

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
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
9220989	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 publicinformationservices@tssa.org or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.
Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

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: sthompson@tssa.org
www.tssa.org

From: Menyhart, Adrian <Adrian.Menyhart@wsp.com>
Sent: October 16, 2019 11:51 AM
To: Public Information Services <publicinformationservices@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

APPENDIX

D AERIAL PHOTOGRAPHS

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

0 50 100 200 300
Metres

LEGEND

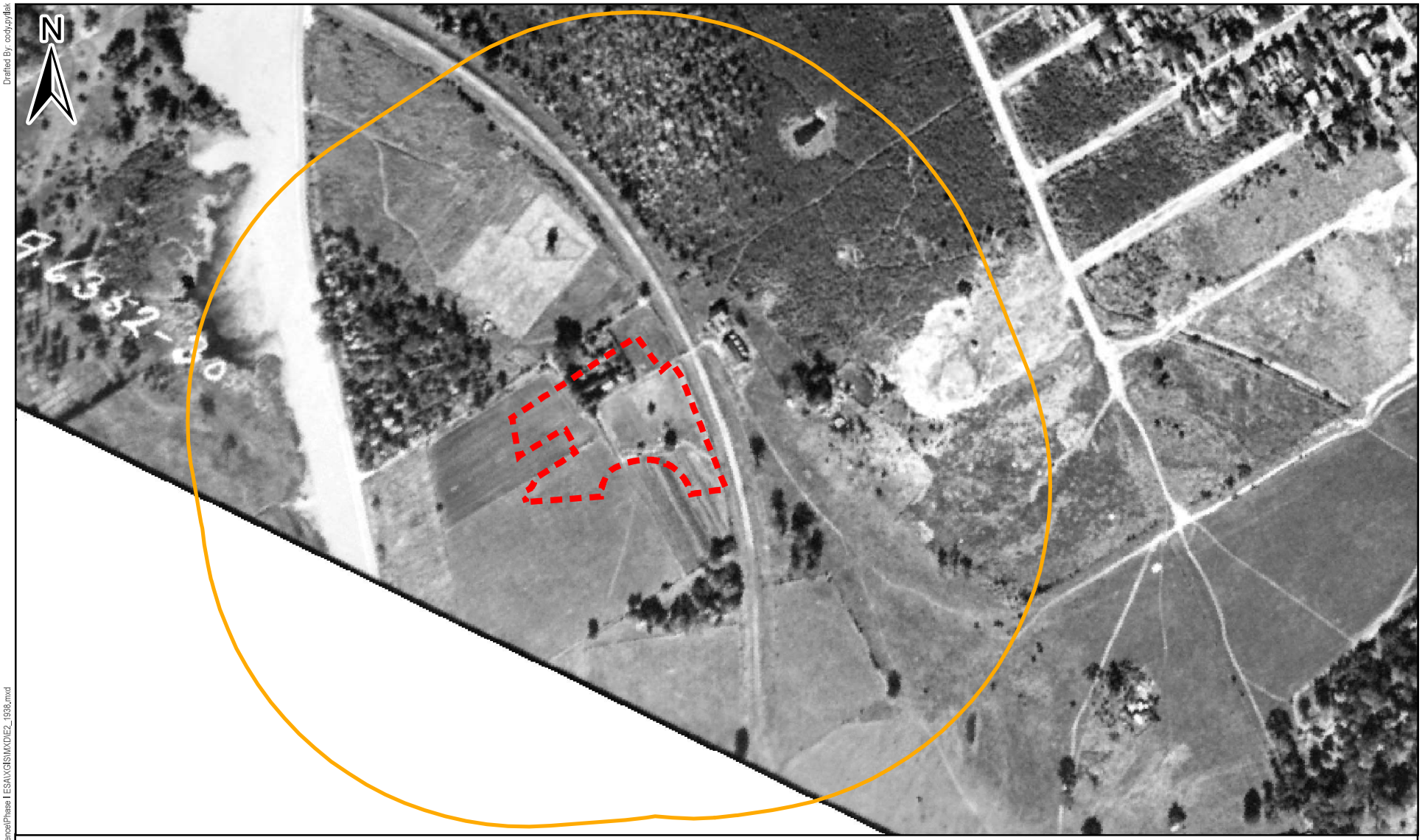
Site Boundary

250 m Study Area

TITLE	**1928 AERIAL PHOTOGRAPH**	PROJECT NO	**191-12948-00**
PROJECT	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT CARLETON UNIVERSITY 1125 COLONEL By DR. OTTAWA, ONTARIO**	REVIEWED BY / SCALE	**AD** / **1:4,500**
		DATE	**MARCH 2020**
CLIENT	**CARLETON UNIVERSITY**	FIGURE	**E-1**

Drafted By: cody.pytlak

F:\WSP\GIS\191-12948-00 - Carleton University New Residence\Phase I ESA\XGIS\MXD\E1_1928.mxd



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

0 50 100 200 300
Metres

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 / SCALE	**AD** / **1:4,300**
		DATE	**MARCH 2020**
CLIENT	**CARLETON UNIVERSITY**	FIGURE	**E-2**

Drafted By: cody.pytlak

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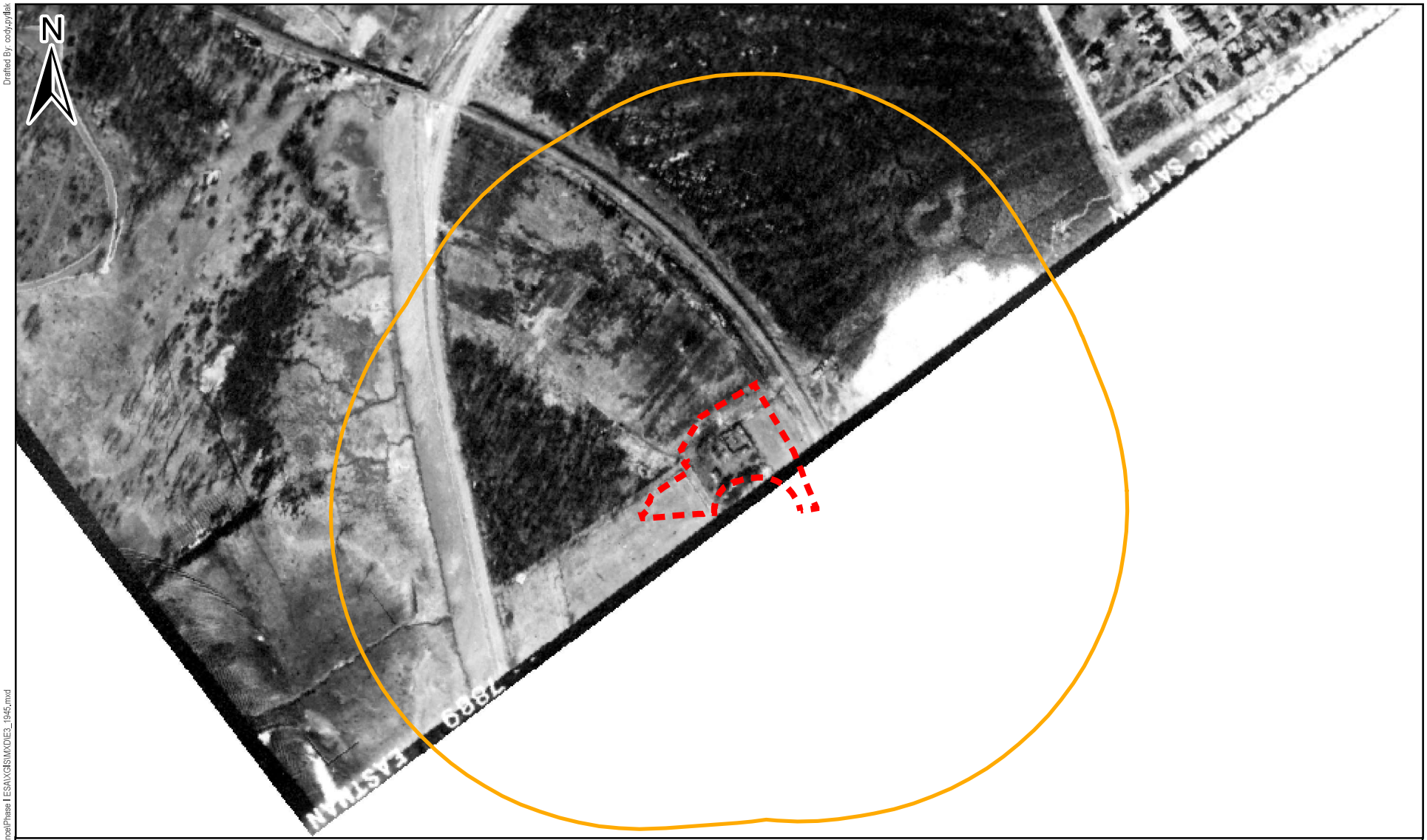

SOURCE: "National Resources Canada, National Air Photo Library"

0 50 100 200 300
Metres

LEGEND

Site Boundary

250 m Study Area

TITLE	**1945 AERIAL PHOTOGRAPH**	PROJECT NO	**191-12948-00**
PROJECT	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT CARLETON UNIVERSITY 1125 COLONEL DR. OTTAWA, ONTARIO**	REVIEWED BY / SCALE	**AD** / **1:4,500**
		DATE	**MARCH 2020**
CLIENT	**CARLETON UNIVERSITY**	FIGURE	**E-3**

Drafted By: cody.pytlak

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

0 50 100 200 300
Metres

LEGEND

Site Boundary

250 m Study Area

TITLE: **1950 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: **1:4,500**
	DATE: **MARCH 2020**	
CLIENT: **CARLETON UNIVERSITY**	FIGURE: **E-4**	

Drafted By: cody.pytlak

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

0 50 100 200 300
Metres

LEGEND

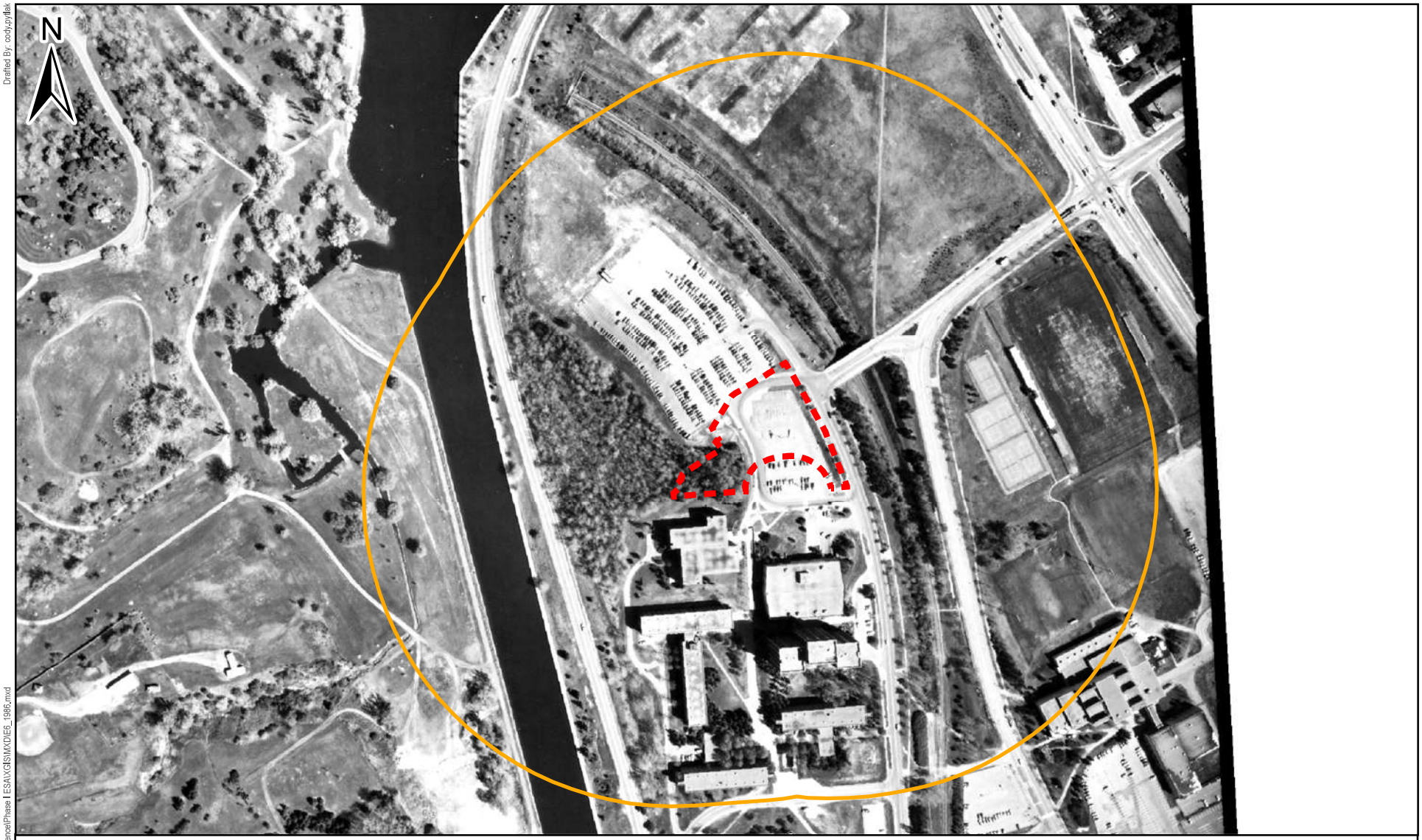
Site Boundary

250 m Study Area

TITLE: **1968 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: **1:5,000**
	DATE: **MARCH 2020**	
CLIENT: **CARLETON UNIVERSITY**	FIGURE: **E-5**	

Drafted By: cody.pytlak

F:\WSP\GIS\191-12948-00 - Carleton University New Residence\Phase I ESA\XGIS\MXD\E5_1968.mxd



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

0 50 100 200 300
Metres

LEGEND

Site Boundary

250 m Study Area

TITLE: **1986 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: **1:4,500**
	DATE: **MARCH 2020**	
CLIENT: **CARLETON UNIVERSITY**	FIGURE: **E-6**	

Drafted By: cody.dyllak

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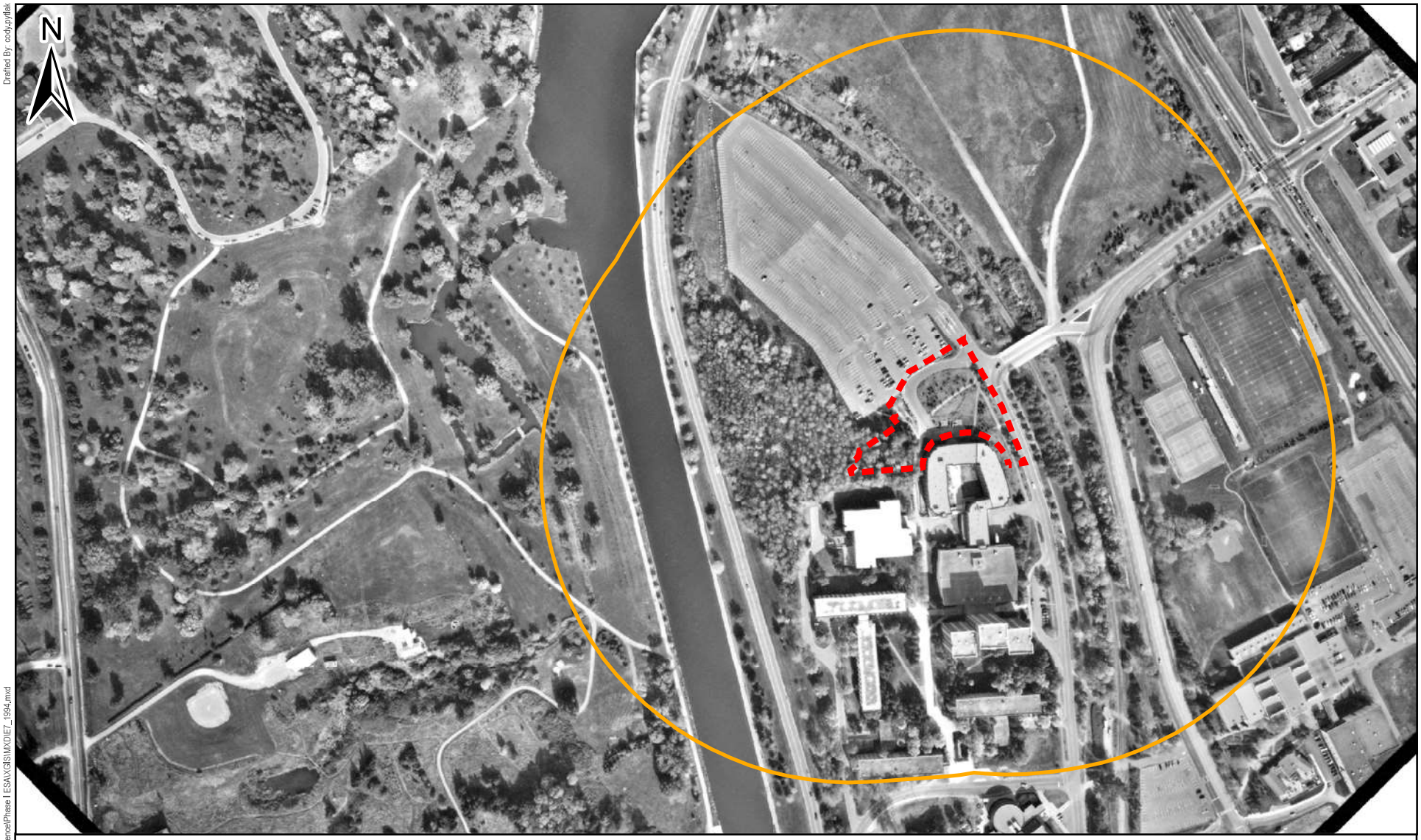

SOURCE: "National Resources Canada, National Air Photo Library"

0 50 100 200 300
Metres

LEGEND

Site Boundary

250 m Study Area

TITLE	**1994 AERIAL PHOTOGRAPH**	PROJECT NO	**191-12948-00**
PROJECT	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT** **CARLETON UNIVERSITY** **1125 COLONEL By DR.** **OTTAWA, ONTARIO**	REVIEWED BY / SCALE	**AD** / **1:4,500**
		DATE	**MARCH 2020**
CLIENT	**CARLETON UNIVERSITY**	FIGURE	**E-7**

Drafted By: cody.pytlak

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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.