## 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

WSP ref.: 191-12948-00

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# EXECUTIVE SUMMARY

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

CRITERIA	SUBJECT SITE INFORMATION			
Municipal Address	Part of 1125 Colonel By Drive, Ottawa, Ontario			
Current Property Owner	Dwner Carleton University			
Phase One Representative	Ms. Dawn Blackman			
Phase One Client	Senior Project Manager, Project Planning, Design and Construction			
Representative	1125 Colonel By Drive			
	Ottawa, ON			
	Email: dawnblackman@cunet.carleton.ca			
Property Identification	Part of 04087-0065 (LT)			
Numbers (PINs)	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.			

## Table 1-1 Subject Site Information

## 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.

DATABASE	NAME	SUBJECT SITE	WITHIN 250 M OF SUBJECT SITE <sup>1</sup>
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

#### Table 3-1ERIS Search Results

DATABASE NAME		SUBJECT SITE	WITHIN 250 M OF SUBJECT SITE <sup>1</sup>
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.
	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.
1968	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.
	(GeoOttawa) An excavation can be seen in the northeast corner of the Subject Site.
2014	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	Date:	October 2019	
the name of person being interviewed	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	<ul> <li>Ms. Blackman had indicated that previous investigations had been conducted within part of the Phase One Study Srea, and provided past reports.</li> </ul>		
environmental concern noted by the interviewer.	<ul> <li>Ms. Blackman also provided site plans showing locations of subsurface utilities.</li> </ul>		
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 Adjacen	t Properties				
Adjacent Land	Adjacent land uses at the time of the site reconnaissance are illustrated on Figure 1 and were noted as follows:				
Uses	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 0408	87-0065 (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					
	LOCATION OF				MEDIA	
AREA OF	AREA OF		LOCATION OF		POTENTIALLY	
POTENTIAL	POTENTIAL		POTENTIAL	CONTAMINANTS	IMPACTED	
ENVIRONMENT	ENVIRONMENTAL	POTENTIAL	CONTAMINATING	OF POTENTIAL	(GROUNDWATER,	
AL CONCERN	CONCERN ON	CONTAMINATING	ACTIVITY (ONSITE	ENVIRONMENTAL	SOIL AND/OR	
(APEC)	SUBJECT SITE	ACTIVITY	OR OFFSITE)	CONCERN	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.	

- <u>APEC 1 (Eastern portion of the Subject Site)</u>: 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;
- <u>APEC 2 (Eastern portion of the Subject Site)</u>: 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 6-4Summary of PCAs

POTENTIALLY CONTAMINATING ACTIVITY	OBSERVATIONS
PCA 30: Fill Material of Unknown	<u>On-site</u> – 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.
Quality	The importation of fill material is considered to have created APEC 1, on the subject site.
PCA 46. Rail yards, tracks and spurs	<u>Off-site</u> – 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
PCA No. 58: Waste Disposal and	APEC 2.
Waste Management, including	<u>Off-site</u> – Former landfill located to the east/south-east of the subject site. The former landfill is
thermal treatment, landfilling and	located downgradient from the subject site with respect to the anticipated groundwater flow
transfer of waste, other than use of	direction. Additionally, a deep rail line cut separated the two sites. This PCA is not considered to
biosoils as soil conditioners	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 QPESA. 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<sub>ESA</sub>, in accordance with the requirements of O. Reg. 153/04.

### WSP CANADA Inc.

Report prepared by

Adrian Menyhart, P.Eng., QP<sub>ESA</sub> Environmental Engineer



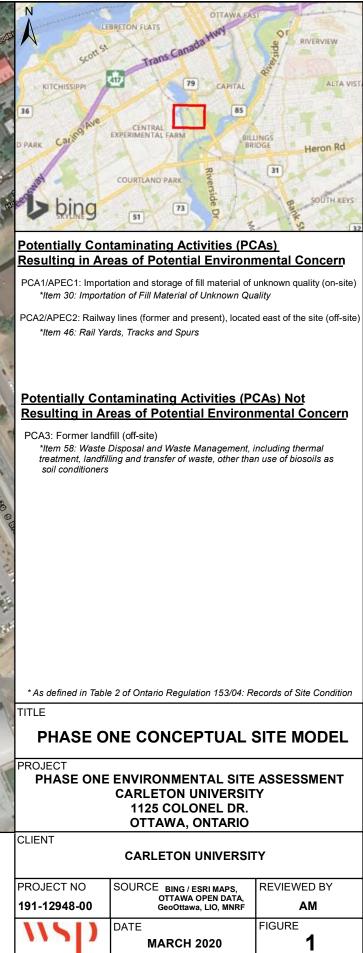
Reviewed by

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

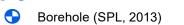
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- "Phase Two Environmental Site Assessment, North Property Development, Carleton University, 1125 Colonel By Drive, Ottawa, Ontario", prepared by SPL Consultants Limited, April 3, 2013



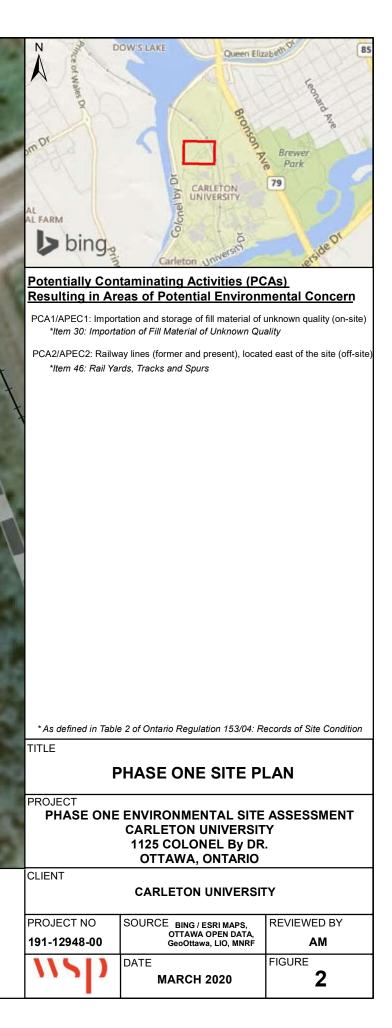






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Unevaluated Wetlands (MNRF)



# **APPENDIX**

# A CHAIN OF TITLE

## CHAIN OF TITLE REPORT

Project #: Address: Legal Description:		), Phase 100, subphase I By Drive, Ottawa M, Con BRF	<u>0</u> 2 	Searched at: LRO #:	Ottawa 4	
PIN #:	Part of PIN 0	4087-0065(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
2358	6	Deed	13 06 1910		Donald Kennedy	Thomas MULLIGAN
2358	7	Mortgage	13 0 6 1910	I	Thomas Mulligan	Hannah MCINTOSH (Mortgagee)
5605	4	Deed	26 10 1946	(equity of rede	Hannah McIntosh emption in Mortgage #23587)	Duncan K. MACTAVISH
CR30703	8	Deed ( <b>Present Owner</b> )	29 12 1952		Duncan K. MacTavish	Carleton University (fmly Carleton College)
CR58555	7	Deed ( <b>Present Owner)</b>	30 12 1970		National Capital Commission	Carleton University

FEE SIMPLE LT CONVERSION QUALIFIED OWNERS' NAMES CARLETON UNIVERSITY ESTATE/QUALIFIER: PROPERTY DESCRIPTION: CR439618 PROPERTY REMARKS: CR497488 CR307274 CR307038 \* \* \*\* \*\*\* \*\* PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1996/10/18 \*\* CR434029 NP58418 \*\*DATE OF CONVERSION TO LAND TITLES: 1996/10/21 \*\* : \* \*\*SUBJECT, \*\*WAS REPLACED WITH THE "PIN CREATION DATE" OF 1996/10/21\*\* \*\*EFFECTIVE 2000/07/29 REG. NUM. Ontario ServiceOntario REMARKS: SKETCH ATTACHED REMARKS: SKETCH ATTACHED REMARKS: SKETCH ATTACHED ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES 1965/08/05 ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES. AND ESCHEATS OR FORFEITURE TO THE CROWN 1962/02/20 1961/10/25 CROWN PATENT IT THROUGH LENGTH OF ADVERSE POS\$ESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY 1953/01/08 1947/11/04 CONVENTION. 1952/12/29 DATE NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY. NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP. THE NOTATION OF THE "BLOCK IMPLEMENTATION PLAN MISCELLANEOUS CHARGE TRANSFER TRANSFER TRANSFER PT LTS L, M & N, CON BRF , AS IN NP58418 , CR307274, CR307038, CR434029, CR585555, CR585557 ; OTTAWA/NEPEAN; SUBJECT TO AN EASEMENT AS IN OC1267784 INSTRUMENT TYPE AMOUNT CAPACITY SHARE BENO FIRST CONVERSION FROM BOOK NP-5 RECENTLY: \$53,000 LAND REGISTRY \* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT \* SUBJECT TO RESERVATIONS IN CROWN GRANT OFFICE #4 ŝ \$1 \*\*\* COMPLETELY DELETED \*\*\* DATE" OF 1996/10/21 ON THIS PIN\*\* PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER PARTIES FROM 04087-0065 (LT) CENTRAL MORTGAGE AND HOUSING CORPORATION CARLETON UNIVERSITY CARLETON COLLEGE CARLETON COLLEGE THE OTTAWA ASSOCIATION FOR THE ADVANCEMENT OF LEARNING PIN CREATION DATE: 1996/10/21 PARTIES TO ON 2019/10/17 AT 13:46:59 PAGE 1 OF 10 PREPARED FOR bertuccil o a C ი n CERT/

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

PAGE 2 OF 10 PREPARED FOR bertuccil

ON 2019/10/17 AT 13:46:59

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 OFFICE #4
 04087-0065 (LT)

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

Ontario ServiceOntario

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

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	THE CORPORATION OF THE CITY OF OTTAWA	*** COMPLETELY DELETED *** ONTARIO HOUSING CORPORATION		POSTPONEMENT	5006/05/12	0C201556
			9652	OS POSTEONED TO OCSO		
ɔ	THE CORPORATION OF THE CITY OF OTTAWA	CANADA MORTGAGE AND HOUSING CORPORATION		<b>BOSTPONEMENT</b>	5005/15/53	0C243043
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PAGE 4 OF 10 PREPARED FOR Dereuceil ON 2019/10/17 AT 13:46:59

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PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

NOTE: ENSURE THAT YOUR PRINTOUT BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.

<b></b>				CONSTRUCTION LIEN	5011/15/06	OCI313624
		••• COWFLETELY DELETED •••		CONSTRUCTION LIEN	9072171102	169616130
		IKON MOKKEKS ONLYKIO BENZION ENND				
		TRUSTEES OF THE IRON WORKERS CENTRAL WELFARE FUND AND THE				
		*** COWFLETY DELETED ***		CONSTRUCTION LIEN	12/11/1102	98170EIDO
<b>b</b>	ROGERS COMMUNICATIONS INC.	CARLETON UNIVERSITY	Z\$	TRANSEER EASEMENT	50/80/1102	0CJ 567784
				.5	EEDTEN :27633	38
		*** COMPLETELY DELETED *** OUTARIO HOUSING CORPORATION		DISCH OF CHARGE	5011/01/50	0CI 500435
		*** dataiad viataidvoo ***				
с –	BELL MOBILITY INC.	CARLETON UNIVERSITY	Z\$	NOTICE OF LEASE	50/50/0702	OCI103868
					COLON CONF	775
	CITY OF OTTAWA	NOTTANORACE AND HOUSUCH ON ADARTION	OPLOSOIDO OL	S, NST6336 POSTPONED	2292914 · 3284	30
		*** COWBLETELY DELETED ***		POSTPONEMENT	5070/07/50	SZBILOIDO
5	CITY OF OTTAWA	NOITAROGROC DNIZUCH GNA 30ADTROM AGANAS	0\$20	03 POSTPONED TO OCIDS POSTPONEMENT	5010/01/50	8E
		NOITVADAGOS SKISION GNY SSYSTEON YAYNYS		ENERGIADOG	00, 10, 0100	
			0\$20	SI POSTPONED TO OCIDS	290583 : SX84	צו
	CITY OF OTTAWA	CONDOR MORTGAGE AND HOUSING CORPORATION		POSTPONEMENT	5010/01/50	OCT017853
		*** COMPLETELY DELETED ***		TNAMANOGTOOG	00/10/0102	220120100
			0420	IS FOSTPONED TO OCIDS	96Е142 : СКАЗЭВ	צפו
	CITY OF OTTAWA	CANADA MORTGAGE AND HOUSING CORPORATION			07/10/0107	OCT017855
		*** COWFLETELY DELETED ***		POSTPONEMENT	5070/01/50	228120130
				· ∠ 19	ARKS: OCI058	ਤਿਬ
		VALLATI BROS. PAVING LIMITED				
		*** COWFLETELY DELETED ***		DIS CONSTRUCT LIEN	5009/15/55	0C1064494
		VALLATI BROS. PAVING LIMITED				
		*** COMBLETELY DELETED ***		CONSTRUCTION LIEN	\$0/21/6002	L19850100
c			-		CT /TT /COO7	001020140
5	CARLETON UNIVERSITY	CITY OF OTTEME	LŞ		5009/11/13	072030130
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	CITY OF OTTAWA	NOITAROAROD BUIZUOH GNA BAADTAON OIRATNO				
		*** COMPLETELY DELETED ***		POSTPONEMENT	2009/06/05	60098650
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(N)#2						·NON ·OTN
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		CARROZZI, LUIGI		CONSTRUCTION LIEN	5012/10/24	OC1455138
		*** COMPLETELY DELETED ***		CONSTRUCTION LIEN	5075/70/78	OCI451010
		J. COMPLETELY DELETED ***		CONSTRUCTION LIEN	50/515/70/02	0CT41156
Э	CITY OF OTTAWA	NOITAAOAAOO DNIEUOH DNA BBABTAOM ADANAO		03 TO OCI347242 Postponement		88 0CT341542
				SI TO OCI347242	хөосыс : сыгоос	38
	CITY OF OTTAWA	*** COMPLETELY DELETED *** CANADA MORTGAGE AND HOUSING CORPORATION		POSTPONEMENT	5012/03/30	0CI341244
				28266130 0C 81	нькка: сензан	ਤਬ
	CITY OF OTTAWA	*** COMPLETELY DELETED *** CANADA MORTGAGE AND HOUSING CORPORATION		POSTPONEMENT	5075/03/30	007341543
C	CARLETON UNIVERSITY	CITY OF OTTAWA	Ţ\$	NOTICE	5015/03/30	061347242
c	TM MOBILE INC.	CARLETON UNIVERSITY		NOTICE OF LEASE	2075/07/11	216926130
	.DTJ AGANAD \$77878	*** COMPLETELY DELETED ***		ЯЗДЯО ОИЗМА ЈАА	5012/01/06	001355011
	6782744 CANADA LTD.	ONTARIO SUPERIOR COURT OF JUSTICE		APL AMEND ORDER	5075/07/06	0C7355016
	CNOJ NOTONIJI OTNUTNO OVIDINOM NOVI			982	10EIJO :SXXV	צבו
	TRUSTEES OF THE IRON WORKERS CENTRAL WELFARE FUND AND THE IRON WORKERS ONTARIO PENSION FUND	*** COMPLETELY DELETED *** ONTARIO SUPERIOR COURT OF JUSTICE		CERT I FICATE	5077\75\53	001319845
		GROUPE ORBI CONSTRUCTION INC.				
CHKD CEKI/	PARTIES TO	PARTIES FROM	TUUOMA	INSTRUMENT TYPE	DATE	REG. NUM.

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

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			.0764642130	ATADAV : NACATE	вя
	POMERLEAU INC.	ONTARIO SUPERIOR COURT OF JUSTICE	APL AMEND ORDER	5013/04/16	OC1468393
			.996¢9¢120	ATADAV : 2XAAM	138
	POMERLERU INC.	<pre>outario superior court of justice</pre>	APL AMEND ORDER	5073\04\76	007468387
			IT IS HEREBY VACATED	2#9#100 :SXXVV	ਤਬ
	POMERLEAU INC.	ONTARIO SUPERIOR COURT OF JUSTICE	APL AMEND ORDER	5013/04/11	068997100
			DETADAV YEBRER VACATED	6E94100 :SXXV	ве
	POMERLEAU INC.	*** COMPLETELY DELETED *** ONTARIO SUPERIOR COURT OF JUSTICE	APL AMEND ORDER	5073104108	896\$9\$700
		CORCORAN, RICHARD	CONSTRUCTION LIEN	5013/04/04	0C14649700
		BARD, DANIEL *** COMPLETELY DELETED ***	CONSTRUCTION LIEN	0 013/04/04	996 <b>7</b> 9700
	POMERLERU INC.	•••• COMPLETELY DELETED •••• ONTARIO SUPERIOR COURT OF JUSTICE	APL AMEND ORDER	£0/\$0/£103	0CT464727
		*** COMPLETELY DELETED *** RAYMOND CHABOT INC., TRUSTEE IN BANKRUPTCY FOR ATLAN 4 Construction INC.	CONSTRUCTION LIEN	5013\04\03	LTL#9#TDO
		*** COMPLETELY DELETED *** 6994903 CANADA INC.	NOITION LIEN	5073\03\58	656594100
		*** COMPLETELY DELETED *** GRATIEN PROULX BILDING MATERIALS LTD.	CONSTRUCTION LIEN	80/€0/€102	007428151
			-8	төесьяс : сказен	ਤਬ
		*** COMPLETELY DELETED *** COMPLETELY DELETED *** CANADA MORTGAGE AND HOUSING CORPORATION	DISCH OF CHARGE	12/20/2102	591454100
	POMERLERU INC.	ONTARIO SUPERIOR COURT OF JUSTICE	3 0014115241 001451010 001455138	NITADAV : SHRAL	ਾਤਮ
		*** COMPLETELY DELETED ***	APL AMEND ORDER	1 60/11/2102	OC1457930
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C	CARLETON UNIVERSITY	CITY OF OTTAWA	ĩs	NOLICE	5016/03/16	OC1772126
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		MAPLE TERRAZZO MARBLE & TILE INCORPORATED				
		*** COMPLETELY DELETED ***		DIS CONSTRUCT LIEN	£1/11/510Z	0C7140057
		MAPLE TERRAZOO MARALE & TILE INCORPORATED				
		*** COMPLETELY DELETED ***		CONSTRUCTION LIEN	5015/10/53	001133205
	LOUIS W. BRAY CONSTRUCTION LTD.	ONTARIO SUPERIOR COURT OF JUSTICE				
		*** COWBLETELY DELETED ***		APL AMEND ORDER	51/10/0102	061555870
	LOUIS W. BRAY CONSTRUCTION LTD.	*** COMPLETELY DELETED *** ONTARIO SUPERIOR COURT OF JUSTICE		APL AMEND ORDER	80/10/0708	9/1155120
1		LHOWBSON' BOD		CONSTRUCTION LIEN	5073/75/50	668875100
		CARROZZI, LUIGI			61/71/0107	OCI248523
		*** COMPLETELY DELETED ***		CONSTRUCTION LIEN	61/21/2100	230873100
				005	AARKS: OCI536	ਤਿਬ
	LOUIS W. BRAY CONSTRUCTION LTD.	•••• COMPLETELY DELETED ••• OUTARIO SUPERIOR COURT OF JUSTICE		APL AMEND ORDER	51/11/2102	001238257
		*** COMPLETELY DELETER ***				
		THOMPSON, ROD		CONSTRUCTION LIEN	CT/TT/ST07	001236500
		*** COWPLETELY DELETED ***		Nall Nolfondeskoo	21/11/2100	003903100
				03 IO OCI236212		
C	CITY OF OTTAWA	CANADA MORTGAGE AND HOUSING CORPORATION		POSTPONEMENT	21/11/2102	001236214
				21 IO OCI236212	хэосхэ : скгосч	вя
	CITY OF OTTAWA	CENEDE MORTGEGE AND HOUSING CORPORATION		POSTPONEMENT	21/11/5107	001236213
		*** COWBIETELY DELETED ***		TURMINOGTOOD		
) )	CARLETON UNIVERSITY	CITY OF OTTAWA	τ\$	NOTICE	5013/11/15	0C1236212
				98/	ARKS: OCISIO	ਸਤਬ
	POMERLEAU INC.	ONTARIO SUPERIOR COURT OF JUSTICE				
		*** COWBTELETX DEFELED ***		APL AMEND ORDER	50/3/10/12	OC1258331
		1408639 ONTARIO INC.				
		*** COWBLETELY DELETED ***		CONSTRUCTION LIEN	50/60/6102	982915120
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		*** COMPLETELY DELETED ***		POSTPONEMENT		
	CITY OF OTTAWA	NOITARORADA DUISUOH DNA BARATION		97 100C111515E	тувка: свгоег	ਖ਼ਬ
		*** COMPLETELY DELETED *** CANADA MORTGAGE AND HOUSING CORPORATION		DISCH OF CHARGE	20/60/9102	001823142
				. 12	2905X2 : SXXA	13X
		*** COMPLETELY DELETED *** CRANE CANADA CO.		CONSTRUCTION LIEN	5076/11/10	OC1844903
		UNITED ASSOCIATION OF JOURNEYMEN AND APPRENTICES OF THE		CONSTRUCTION LIEN	\$1/11/9102	001842304
		LOCAL 71-BUILDING PLUMBING AND PIPEFITTING INDUSTRY OF THE USA AND CANADA,				
		*** COMPLETELY DELETED ***		VEL DEL CONST LIEN	5076/75/05	2551581 <b>0</b> 0
		.DNI ADANAD 2870068		.405	848120 :SXAAM	ая
		*** COMPLETELY DELETED *** 8906785 CENADA INC.		APL DEL CONST LIEN	5016/15/05	0CT82T228
				.509	468130 :2XAAM	ਤਬ
		KELSON MECHENICEL INC.		CONSTRUCTION LIEN	5071/03/55	611918130
		*** COMPLETELY DELETED ***		APL DEL CONST LIEN	2017/04/03	061878727
		WATERDON CONSTRUCTION LIMITED		.617	278130 :278AM	ਤਖ
		DI NARDO, STEVE				OC1888335
		*** COMPLETELY DELETED ***		APL DEL CONST LIEN	50/90/ <i>L</i> IOZ	085468730
		MCDONALD BROTHERS CONSTRUCTION INC.		.292	388120 ÷SXXAN	38

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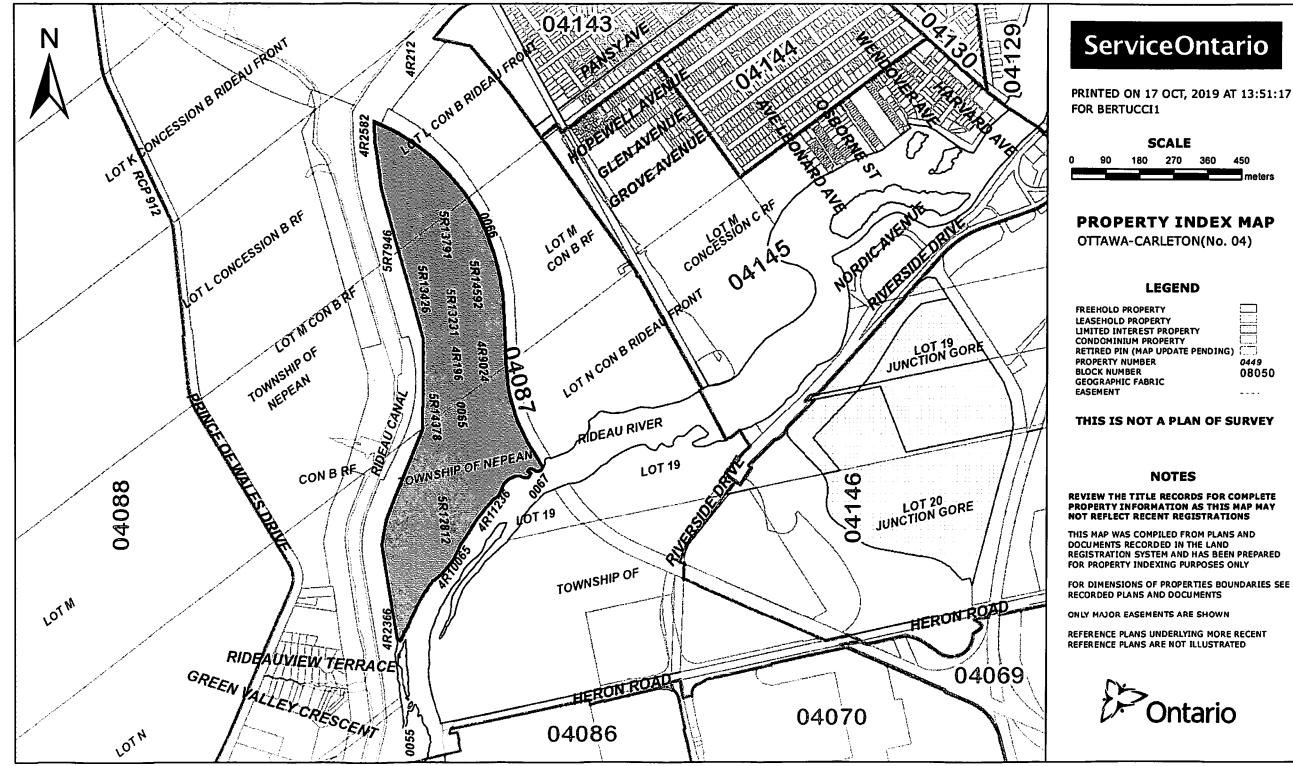
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				S 0C2086836	REMARKS: VACATE OC2086836	R
	BRADFORD CONSTRUCTION LTD.	*** COMPLETELY DELETED *** ONTARIO SUPERIOR COURT OF JUSTICE		APL AMEND ORDER	2019/04/02	0C2089117
		*** COMPLETELY DELETED *** CIF LAB SOLUTIONS LP		CONSTRUCTION LIEN	2019/03/26	0C2086836
n	CITY OF OTTAWA	CANADA MORTGAGE AND HOUSING CORPORATION		7 2018/09/28 POSTPONEMENT REMARKS: CR554103 TO OC2040296	2018/09/28 SMARKS: CR554)	0C2040297 R
n	CARLETON UNIVERSITY	1 CITY OF OTTAWA	15	NOTICE	5 2018/09/28 NOT REMARKS: AGREENENT	0C2040296 R
n	CITY OF OTTAWA	CANADA MORTGAGE AND HOUSING CORPORATION		1 2017/10/02 POSTPONEMENT REMARKS: CR554103 TO OC1935873	2017/10/02 EMARKS: CR5541	OC1935874 R
n	CARLETON UNIVERSITY	1 CITY OF OTTAWA	ţ\$	3 2017/10/02 NOTICE REMARKS: SITE FLAN AGREEMENT	2017/10/02 EMARKS: SITE 4	0C1935873 R
				5517.	REMARKS: 0C1896517.	R
		*** COMPLETELY DELETED *** MCDONALD BROTHERS CONSTRUCTION INC		APL DEL CONST LIEN	2017/06/19	OC1898834
		*** COMPLETELY DELETED *** NORTHERN CONCRETE CUTTING, CORING & DEMOLITION INC.		CONSTRUCTION LIEN	2017/06/12	OC1896517
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# **APPENDIX**

# **B** ERIS REPORT



**Project Property:** 

Project No: Report Type: Order No: Requested by: Date Completed: Carleton University Carleton Univeristy Ottawa ON 1966914 Quote - Custom-Build Your Own Report 20190920010 WSP Canada Inc. October 9, 2019

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Definitions	

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# **Executive Summary**

#### Property Information:

**Project Property:** 

**Project No:** 

Carleton University Carleton University Ottawa ON

1966914

#### Order Information:

Order No: Date Requested: Requested by: Report Type: 20190920010 September 20, 2019 WSP Canada Inc. 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	Y	0	0	0
NCPL	(NATES) 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

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

No records found in the selected databases for the project property.

# Executive Summary: Site Report Summary - Surrounding Properties

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

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

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

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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	<u>53</u>
<u>2</u>	FST	CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	WNW/16.4	0.00	<u>53</u>
<u>2</u>	FST	CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	WNW/16.4	0.00	<u>53</u>
<u>2</u>	FST	CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	WNW/16.4	0.00	<u>54</u>
<u>2</u>	FSTH	CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON	WNW/16.4	0.00	<u>54</u>
<u>2</u>	FSTH	CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON	WNW/16.4	0.00	<u>54</u>
<u>2</u>	GEN	Alinea Dental	1125 Colonel By Dr Suite 2100 Ottawa ON K1S5R1	WNW/16.4	0.00	<u>55</u>
<u>2</u>	GEN	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	WNW/16.4	0.00	<u>55</u>
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	<u>57</u>
2	GEN	Group IV Semiconductor Inc.	Carleton University 1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	<u>58</u>
<u>2</u>	GEN	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	WNW/16.4	0.00	<u>59</u>
<u>2</u>	GEN	Carleton University	1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	<u>60</u>

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

Мар Кеу	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	<u>69</u>
<u>2</u>	GEN	Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON	WNW/16.4	0.00	<u>69</u>
<u>2</u>	GEN	Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>70</u>
2	GEN	Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON	WNW/16.4	0.00	<u>70</u>
<u>2</u>	GEN	Alinea Dental	1125 Colonel By Dr Suite 2100 Ottawa ON K1S5R1	WNW/16.4	0.00	<u>71</u>
2	GEN	Environment Canada CWS	NWRC, Carleton University 1125 Colonelby Dr / Raven Rd Building 33 Ottawa ON	WNW/16.4	0.00	<u>71</u>
<u>2</u>	GEN	Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON K1S5B6	WNW/16.4	0.00	<u>72</u>
<u>2</u>	GEN	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON	WNW/16.4	0.00	<u>72</u>
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	<u>73</u>
<u>2</u>	GEN	Carleton University	1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	<u>74</u>
<u>2</u>	GEN	Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON	WNW/16.4	0.00	<u>74</u>

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

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

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

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

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>2</u>	SPL	Carleton University	1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	<u>110</u>
<u>2</u>	SPL	Carleton University	1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	<u>110</u>
<u>3</u>	BORE		ON	SSW/29.8	0.97	<u>111</u>
<u>4</u>	BORE		ON	SW/53.9	2.03	<u>113</u>
<u>5</u>	BORE		ON	NE/54.7	-1.00	<u>115</u>
<u>6</u>	SPL	City of Ottawa	Campus Avenue and University Drive Ottawa ON	ENE/87.8	-2.06	<u>117</u>
<u>7</u>	WDSH		Bronson Ave (Carleton Univ) OTTAWA ON	ENE/98.9	-2.00	<u>117</u>
<u>8</u>	BORE		ON	NNW/113.9	-1.00	<u>117</u>
<u>8</u>	WWIS		ON <b>Well ID:</b> 1508070	NNW/113.9	-1.00	<u>119</u>
<u>9</u>	ANDR	Carleton Univ Dump	Ottawa ON K1S 5B6	ENE/122.3	-2.00	<u>121</u>
<u>10</u>	EHS		1125 Colonel By Dr Ottawa ON K1S5B6	NE/147.4	-2.00	<u>122</u>
<u>10</u>	NPRI	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE NOT AVAILABLE OTTAWA ON K1S5B6	NE/147.4	-2.00	<u>122</u>
<u>11</u>	BORE		ON	W/155.3	-1.26	<u>123</u>
	erisinfo.com	Environmental Risk Information	Services	Order No	o: 201909200	10

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

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

# Executive Summary: Summary By Data Source

#### ANDR - Anderson's Waste Disposal Sites

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

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

#### **BORE** - Borehole

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

<u>Site</u>	Address		<u>lap Key</u>
	ON	29.8	<u>3</u>
	ON	53.9	<u>4</u>
	ON	54.7	<u>5</u>
	ON	113.9	<u>8</u>
	ON	155.3	<u>11</u>
	ON	165.2	<u>12</u>
	ON	186.2	<u>16</u>

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

#### **<u>CA</u>** - Certificates of Approval

<u>Site</u>

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

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

<u>Site</u> Carleton University	<u>Address</u> 1125 Colonel By Dr Ottawa ON	<u>Distance (m)</u> 16.4	<u>Map Key</u> <u>2</u>
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	<u>2</u>
CARLETON UNIVERSITY	1125 COL. BY DR.,HERZBERG LABS OTTAWA CITY ON	170.7	<u>14</u>
CARLETON UNIVERSITY	1125 COL. BY DR., HERZBERG LAB OTTAWA CITY ON	170.7	<u>14</u>

#### **<u>CFOT</u>** - Commercial Fuel Oil Tanks

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

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

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

Address 1125 Colonelby Dr Bunker #3 Tank OTTAWA ON

<u>Distance (m)</u>	<u>Map Key</u>
16.4	<u>2</u>

#### **EBR** - Environmental Registry

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

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

#### **ECA** - Environmental Compliance Approval

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

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

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

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

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

#### FST - Fuel Storage Tank

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

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

#### **FSTH** - Fuel Storage Tank - Historic

26

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

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

#### **GEN** - Ontario Regulation 347 Waste Generators Summary

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

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

<u>Site</u>	Address	<u>Distance (m)</u>	<u>Map Key</u>
Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON	16.4	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

<u>Site</u> Sports Medicine Clinic	Address Carleton University 1125 Colonel By Dr Ottawa ON K1S5B6	<u>Distance (m)</u> 16.4	<u>Map Key</u> 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	<u>2</u>
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	<u>2</u>

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

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

#### **<u>GHG</u>** - 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	<u>Distance (m)</u>	<u>Map Key</u>
Carleton university	1125 Colonel By Drive Ottawa ON K1S5B6	16.4	<u>2</u>

#### 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.

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

#### INC - TSSA Incidents

<u>Site</u>

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

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

<u>Address</u>	
1125 COLONEL BY DRIVE, OTTAWA ON	

16.4

#### **NPCB** - National PCB Inventory

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

<u>Site</u>	Address	<u>Distance (m)</u>	<u>Map Key</u>
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	<u>2</u>

#### **<u>NPRI</u>** - National Pollutant Release Inventory

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

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

<u>Site</u> CARLETON UNIVERSITY	<u>Address</u> 1125 Colonel by Drive Maintenance Building Ottawa on K1S5B6	<u>Distance (m)</u> 16.4	<u>Map Key</u> 2
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE NOT AVAILABLE OTTAWA ON K1S5B6	147.4	<u>10</u>

#### **<u>OPCB</u>** - Inventory of PCB Storage Sites

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

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

#### **<u>SCT</u>** - Scott's Manufacturing Directory

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

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

<u>Site</u>	Address	<u>Distance (m)</u>	<u>Map Key</u>
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	<u>2</u>
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	<u>2</u>
Match Point - Cdn Table Tennis	1125 Colonel By Dr Suite 2800 Ottawa ON K1S 5B6	16.4	<u>2</u>

#### SPL - Ontario Spills

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

<u>Site</u> Carleton University	<u>Address</u> 1125 Colonel By Drive Ottawa ON	<u>Distance (m)</u> 16.4	<u>Map Key</u> <u>2</u>
R. W. Tomlinson	1125 Colonal Dy Drive	16.4	
Limited <unofficial></unofficial>	1125 Colonel By Drive Ottawa ON K1S 5B6	10.4	2
Carleton University	1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>
Carleton University	1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>
Enbridge Gas <unofficial></unofficial>	1125 Colonel Drive Ottawa ON	16.4	<u>2</u>

<u>Site</u>	Address	<u>Distance (m)</u>	<u>Map Key</u>
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	<u>6</u>

#### WDSH - Waste Disposal Sites - MOE 1991 Historical Approval Inventory

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

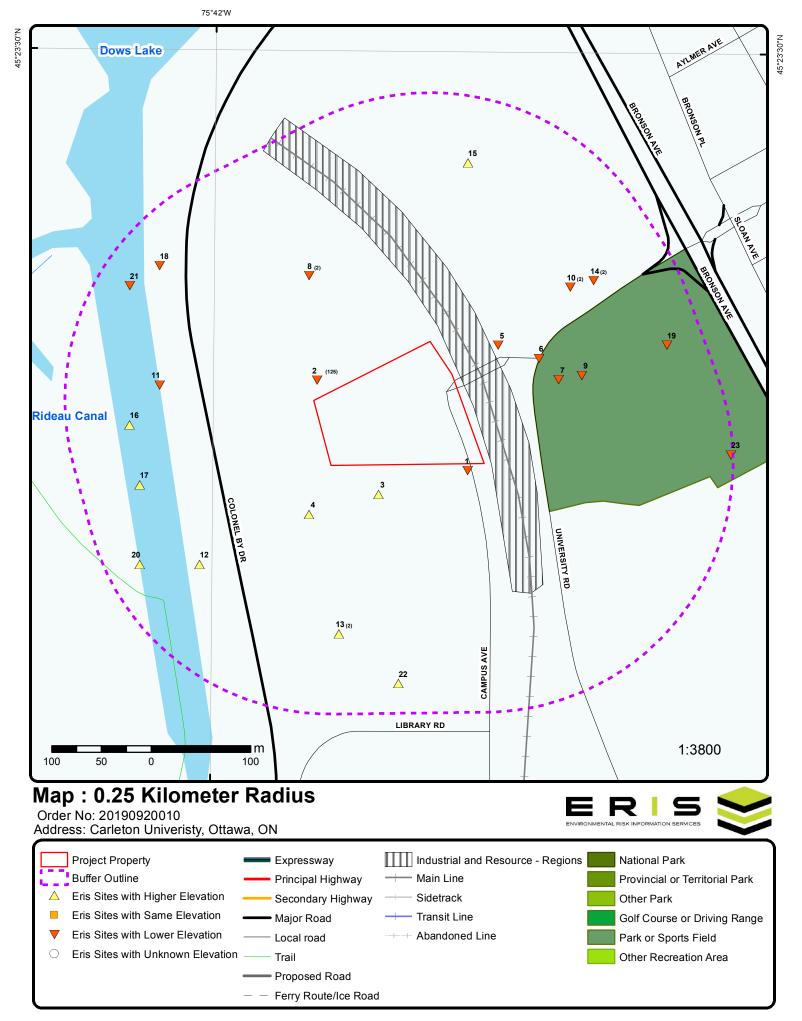
<u>Site</u>	Address	<u>Distance (m)</u>	<u>Map Key</u>
	Bronson Ave (Carleton Univ) OTTAWA ON	98.9	<u>7</u>

#### WWIS - Water Well Information System

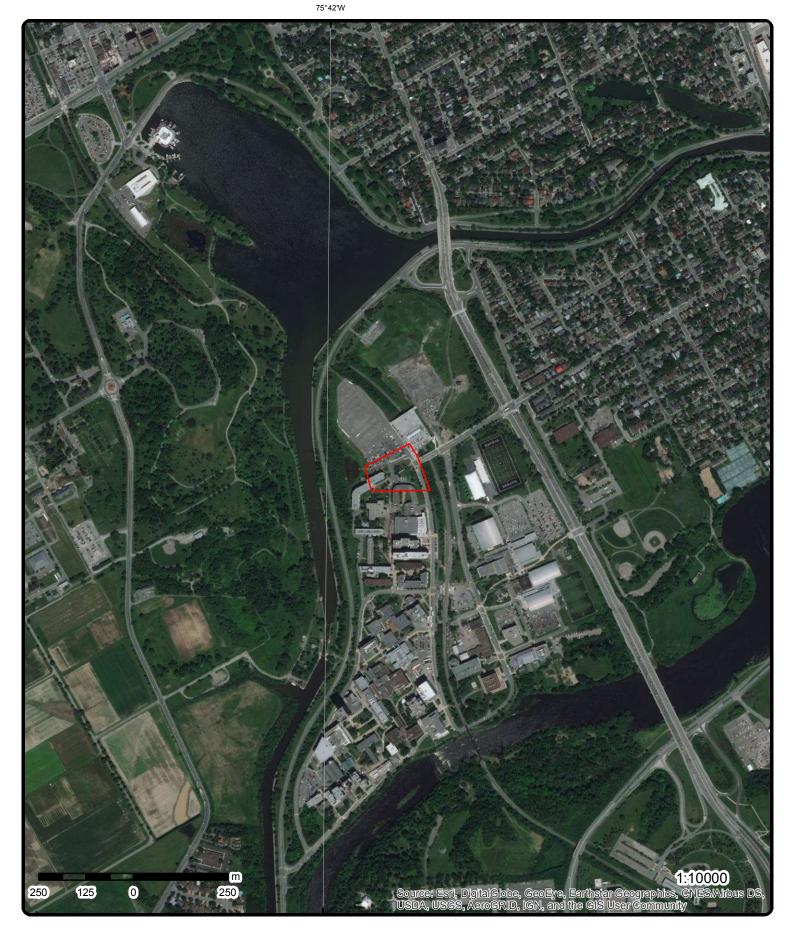
A search of the WWIS database, dated Feb 28, 2019 has found that there are 4 WWIS site(s) within approximately 0.25 kilometers of the project property.

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

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



Source: © 2015 DMTI Spatial Inc.



## Aerial (2017)

## Address: Carleton Univeristy, Ottawa, ON

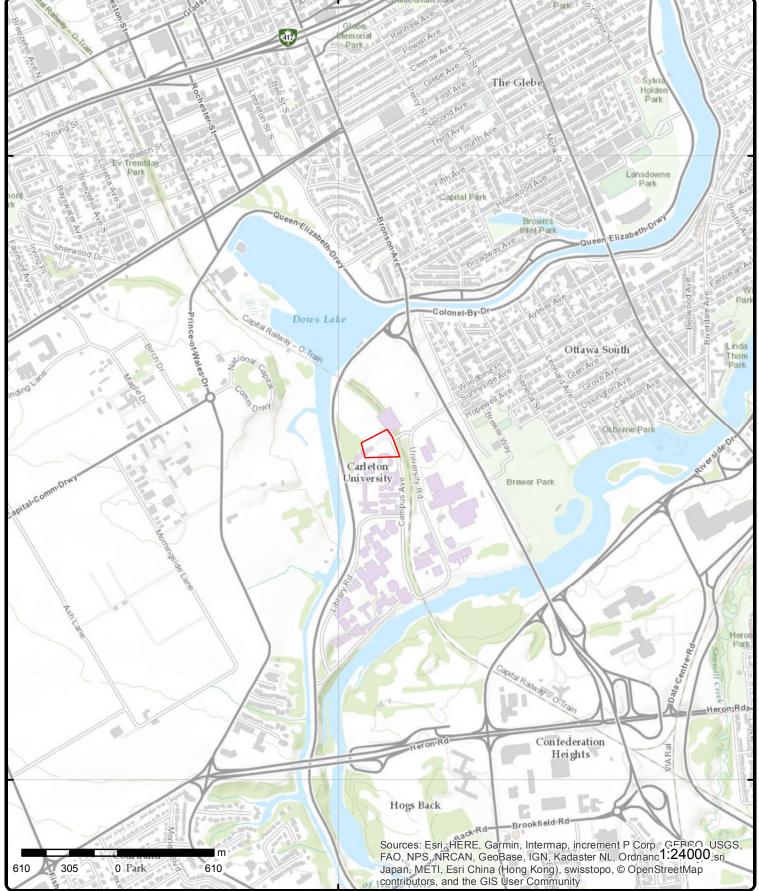
Source: ESRI World Imagery

Order No: 20190920010



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# **Topographic Map**

Source: ESRI World Topographic Map

### Address: Carleton Univeristy, Ottawa, ON

© ERIS Information Limited Partnership

RONMENTAL RISK INFORMATION SERVICES

Order No: 20190920010

45°22'30"N

45°22'30"N

45°24'N

## **Detail Report**

Map Key	Numbe Record		Direction/ Distance (m	Elev/Diff ) (m)	Site		Di
<u>1</u>	1 of 1		SE/7.2	62.9 / 0.00	OTTAWA ON		ww
Well ID:		7153842			Data Entry Status:		
Constructio	on Date:				Data Src:		
Primary Wa		Not Used			Date Received:	11/2/2010	
Sec. Water					Selected Flag:	Yes	
Final Well S		Abandone	ed-Other		Abandonment Rec:	Yes	
Water Type		,			Contractor:	4875	
Casing Mate					Form Version:	7	
Audit No:	criur.	Z102919			Owner:		
Tag:		2102010			Street Name:	CAMPUS AVE.	
Constructio	n Mothod:				County:	OTTAWA-CARLETON	
Elevation (n					Municipality:	OTTAWA-CARLETON	
Elevation (in	,				Site Info:	COMMENS LOADING DOCK	
Depth to Be					Lot:	COMMENS LOADING DOCK	
					Concession:		
Well Depth:							
Overburden					Concession Name: Easting NAD83:		
Pump Rate:							
Static Wate					Northing NAD83:		
Flowing (Y/	N):				Zone:		
Flow Rate: Clear/Cloud	lv:				UTM Reliability:		
Bore Hole II	nformation						
Bore Hole I	D:	10033588	333		Elevation:	64.240135	
DP2BR:					Elevrc:		
Spatial Stat	us:				Zone:	18	
Code OB:					East83:	445460	
Code OB De					North83:	5026276	
Open Hole:					Org CS:	UTM83	
Cluster Kin					UTMRC:	3	
Date Compl	leted:	8/11/2010	)		UTMRC Desc:	margin of error : 10 - 30 m	
Remarks:					Location Method:	wwr	
Elevrc Desc	-						
Location So							
	nt Location						
	nt Location						
	ision Comn	nent:					
Supplier Co	omment:						
Overburden Materials In	<u>and Bedro</u> <u>terval</u>	<u>ck</u>					
Formation I	D:		1003473119				
Layer:			1				
Color:							
General Col	lor:						
Mat1:							
	non Material	l:					
		-					
Mat2·							
Mat2: Other Mater	rials						
Mat2: Other Mater Mat3:	rials:						

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Materi Formation To Formation E Formation E	op Depth:	0 30.42 m			
<u>Annular Spa</u> Sealing Reco	<u>ce/Abandonment</u> ord				
Plug ID: Layer: Plug From: Plug To: Plug Depth L	ЈОМ:	1003473121 1 1.52 30.42 m			
<u>Pipe Informa</u>	<u>ition</u>				
Pipe ID: Casing No: Comment: Alt Name:		1003473117 0			
<u>Constructior</u>	n Record - Casing				
Casing ID: Layer: Material: Open Hole o Depth From:		1003473123			
Depth To: Casing Diam Casing Diam Casing Dept	eter: eter UOM:	cm m			
<u>Constructior</u>	n Record - Screen				
Screen ID: Layer: Slot: Screen Top I Screen End I Screen Mate Screen Dept Screen Diam	Depth: rial: h UOM: reter UOM:	1003473124 m cm			
<u>Results of W</u>	lell Yield Testing				
Recommend Pumping Rat Flowing Rate	: After Pumping: led Pump Depth: te:	1003473118 4.22			
Levels UOM: Rate UOM:	After Test Code: After Test: st Method: ration HR:	m LPM 0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Flowing:					
<u>Hole Diamete</u>	<u>er</u>				
Hole ID: Diameter: Depth From:		1003473120 15.24 0			
Depth To:		30.42			
Hole Depth U		m			
Hole Diamete	er UOM:	cm			
<u>2</u>	1 of 125	WNW/16.4	62.9 / 0.00	SNO Chemistry Lab, Rm #2385 1125 Colonel By Drive Ottawa ON	CA
Certificate #: Application					
Issue Date:					
Approval Typ	pe:	Industrial air			
Status:	<b>T</b>	Returned Amended CofA			
Application 1 Client Name:		Carleton University			
Client Addres		1125 Colonel By Dr			
Client City:		Ottawa			
Client Postal		K1S 5B6			
Project Desc					
Contaminant Emission Co					
Emission Co	introl.				
<u>2</u>	2 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	CA
Certificate #:		5324-67XL2N			
Application \		2004			
Issue Date:		12/23/2004			
Approval Typ	pe:	Air			
Status:		Approved			
Application 1					
Client Name: Client Addres					
Client City:	55.				
Client Postal	Code:				
Project Desc					
Contaminant					
Emission Co	ontrol:				
2	3 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY & NANCY C. DOUBLEDAY 1125 COLONEL BY DR. OTTAWA CITY ON	ĊA
Certificate #:		8-4124-95-			
Application \		95			
Issue Date:		8/2/1995			
Approval Typ	pe:	Industrial air			
Status:	<b>-</b>	Approved			
Application 1 Client Name:					
Client Name: Client Addres					
Client City:					

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Client Posta Project Dese Contaminan Emission Co	cription: its:	MODIFY EXIST. L/ Hydrogen Peroxide	AB. FUME HOOD e, Potassium Hydroxi	de	
<u>2</u>	4 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	CA
Certificate # Application Issue Date: Approval Ty Status: Application Client Name Client Name Client Addre Client City: Client Posta Project Dest Contaminan Emission Co	Year: rpe: Type: s: ess: l Code: cription: ts:	2704-67XMCF 2005 1/14/2005 Air Revoked and/or Re	eplaced		
2	5 of 125	WNW/16.4	62.9 / 0.00	1125 Colonel By Drive Ottawa ON	CA
Certificate # Application Issue Date: Approval Ty Status: Application Client Name Client Addre Client City: Client City: Client Posta Project Dest Contaminan Emission Co	Year: pe: Type: s: s: s: l Code: cription: ts:	0072-53UPTM 02 3/1/02 Municipal & Private Approved New Certificate of <i>A</i> Carleton University 1125 Colonel By Di Ottawa K1S 5B6 Construction of Sar university	Approval	vers and Stowmwater Management Facility for a	new facility for the
<u>2</u>	6 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	CA
Certificate # Application Issue Date: Approval Ty Status: Application Client Name Client Addre Client City: Client Posta Project Des Contaminan Emission Co	Year: rpe: Type: s: ess: l Code: cription: ts:	5294-5LRHN6 2003 4/25/2003 Air Approved			

	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>2</u> 7	of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Dr Ottawa ON	СА
Certificate #:		2280-7H9QJ4			
Application Yea	ar:	2008			
Issue Date:		8/8/2008			
Approval Type: Status:		Air Approved			
Application Typ	oe:	Approved			
Client Name:					
Client Address:	:				
Client City:	a da i				
Client Postal Co Project Descript					
Contaminants:					
Emission Contr	rol:				
<u>2</u> 8	of 125	WNW/16.4	62.9 / 0.00	1125 Colonel By Drive Ottawa ON	CA
Certificate #:					
Certificate #: Application Yea	ar	1599-5E2UKD 02			
Issue Date:		9/16/02			
Approval Type:		Industrial air			
Status:		Approved			
		New Certificate of A	Approval		
Application Typ	Je:				
Application Typ Client Name:		Carleton University			
Application Typ Client Name: Client Address:					
Application Typ Client Name: Client Address: Client City:	:	Carleton University 1125 Colonel By Dı Ottawa K1S 5B6	rive		
Application Typ Client Name: Client Address: Client City: Client Postal Co	ode:	Carleton University 1125 Colonel By Dr Ottawa K1S 5B6 This application is f	rive for approval of nitro	ogen oxide emissions to atmosphere from one (1) emerge	ency 300kW diesel
Application Typ Client Name: Client Address: Client City: Client Postal Co Project Descript Contaminants:	ode: tion:	Carleton University 1125 Colonel By Dr Ottawa K1S 5B6 This application is f	rive for approval of nitro	ogen oxide emissions to atmosphere from one (1) emerge d water heating systems.	ency 300kW diesel
Application Typ Client Name: Client Address: Client City: Client Postal Cc Project Descript Contaminants: Emission Contr	ode: tion:	Carleton University 1125 Colonel By Dr Ottawa K1S 5B6 This application is f	rive for approval of nitro	ogen oxide emissions to atmosphere from one (1) emerge d water heating systems. CARLETON UNIVERSITY 1125 COLONEL BY DRMACKENZIE OTTAWA CITY ON	ency 300kW diesel
Application Typ Client Name: Client Address: Client City: Client Postal Co Project Descript Contaminants: Emission Contro 29	ode: tion: rol:	Carleton University 1125 Colonel By Dr Ottawa K1S 5B6 This application is f generator and two (	rive for approval of nitro (2) 300kW gas fire	d water heating systems. CARLETON UNIVERSITY 1125 COLONEL BY DRMACKENZIE	
Application Typ Client Name: Client Address: Client City: Client Postal Co Project Descript Contaminants: Emission Contre 29 Certificate #:	ode: tion: rol: of 125	Carleton University 1125 Colonel By Dr Ottawa K1S 5B6 This application is f generator and two (	rive for approval of nitro (2) 300kW gas fire	d water heating systems. CARLETON UNIVERSITY 1125 COLONEL BY DRMACKENZIE	
Application Typ Client Name: Client Address: Client City: Client Postal Co Project Descript Contaminants: Emission Contre 29 Certificate #: Application Yea	ode: tion: rol: of 125	Carleton University 1125 Colonel By Dr Ottawa K1S 5B6 This application is f generator and two ( <i>WNW/16.4</i> 8-4165-93-	rive for approval of nitro (2) 300kW gas fire	d water heating systems. CARLETON UNIVERSITY 1125 COLONEL BY DRMACKENZIE	
Application Typ Client Name: Client Address: Client City: Client Postal Co Project Descript Contaminants: Emission Contre 29 Certificate #: Application Yea Issue Date: Approval Type:	code: tion: rol: of 125 ar:	Carleton University 1125 Colonel By Dr Ottawa K1S 5B6 This application is f generator and two ( <i>WNW/16.4</i> 8-4165-93- 93 2/10/1994 Industrial air	rive for approval of nitro (2) 300kW gas fire	d water heating systems. CARLETON UNIVERSITY 1125 COLONEL BY DRMACKENZIE	
Application Typ Client Name: Client Address: Client City: Client Postal Co Project Descript Contaminants: Emission Contro 29 Certificate #: Application Yea Issue Date: Approval Type: Status:	ode: tion: rol: of 125 ar:	Carleton University 1125 Colonel By Dr Ottawa K1S 5B6 This application is f generator and two ( <i>WNW/16.4</i> 8-4165-93- 93 2/10/1994	rive for approval of nitro (2) 300kW gas fire	d water heating systems. CARLETON UNIVERSITY 1125 COLONEL BY DRMACKENZIE	
Application Typ Client Name: Client Address: Client City: Client Postal Co Project Descript Contaminants: Emission Contre 29 Certificate #: Application Yea Issue Date: Approval Type: Status: Application Typ	ode: tion: rol: of 125 ar:	Carleton University 1125 Colonel By Dr Ottawa K1S 5B6 This application is f generator and two ( <i>WNW/16.4</i> 8-4165-93- 93 2/10/1994 Industrial air	rive for approval of nitro (2) 300kW gas fire	d water heating systems. CARLETON UNIVERSITY 1125 COLONEL BY DRMACKENZIE	
Application Typ Client Name: Client Address: Client City: Client Postal Co Project Descript Contaminants: Emission Contre 29 Certificate #: Application Yea Issue Date: Approval Type: Status: Application Typ	e tion: rol: of 125 ar: pe:	Carleton University 1125 Colonel By Dr Ottawa K1S 5B6 This application is f generator and two ( <i>WNW/16.4</i> 8-4165-93- 93 2/10/1994 Industrial air	rive for approval of nitro (2) 300kW gas fire	d water heating systems. CARLETON UNIVERSITY 1125 COLONEL BY DRMACKENZIE	
Application Typ Client Name: Client Address: Client City: Client Postal Co Project Descript Contaminants: Emission Contro 29 Certificate #: Application Yea Issue Date: Approval Type: Status: Application Typ Client Name: Client Address:	e tion: rol: of 125 ar: pe:	Carleton University 1125 Colonel By Dr Ottawa K1S 5B6 This application is f generator and two ( <i>WNW/16.4</i> 8-4165-93- 93 2/10/1994 Industrial air	rive for approval of nitro (2) 300kW gas fire	d water heating systems. CARLETON UNIVERSITY 1125 COLONEL BY DRMACKENZIE	
Application Typ Client Name: Client Address: Client City: Client Postal Co Project Descript Contaminants: Emission Contra 2 9 Certificate #: Application Yea Issue Date: Approval Type: Status: Application Typ Client Name: Client Names: Client Address: Client City: Client Postal Co	e ode: tion: rol: of 125 ar: pe: code:	Carleton University 1125 Colonel By Dr Ottawa K1S 5B6 This application is f generator and two ( <i>WNW/16.4</i> 8-4165-93- 93 2/10/1994 Industrial air Approved in 1994	rive for approval of nitro (2) 300kW gas fire 62.9 / 0.00	d water heating systems. CARLETON UNIVERSITY 1125 COLONEL BY DRMACKENZIE	
Application Typ Client Name: Client Address: Client City: Client Postal Co Project Descript Contaminants: Emission Contra 2 9 Certificate #: Application Yea Issue Date: Approval Type: Status: Application Typ Client Name: Client Name: Client Address: Client City: Client Postal Co Project Descript	e ode: tion: rol: of 125 ar: pe: code:	Carleton University 1125 Colonel By Dr Ottawa K1S 5B6 This application is f generator and two ( <i>WNW/16.4</i> 8-4165-93- 93 2/10/1994 Industrial air	rive for approval of nitro (2) 300kW gas fire 62.9 / 0.00	d water heating systems. CARLETON UNIVERSITY 1125 COLONEL BY DRMACKENZIE	
Application Typ Client Name: Client Address: Client City: Client Postal Co Project Descript Contaminants: Emission Contra 2 9 Certificate #: Application Yea Issue Date: Approval Type: Status: Application Typ Client Name: Client Names: Client Address: Client City: Client Postal Co	e ode: tion: rol: of 125 ar: pe: code: tion:	Carleton University 1125 Colonel By Dr Ottawa K1S 5B6 This application is f generator and two ( <i>WNW/16.4</i> 8-4165-93- 93 2/10/1994 Industrial air Approved in 1994	rive for approval of nitro (2) 300kW gas fire 62.9 / 0.00	d water heating systems. CARLETON UNIVERSITY 1125 COLONEL BY DRMACKENZIE	
Application Typ Client Name: Client Address: Client City: Client Postal Co Project Descript Contaminants: Emission Contro 29 Certificate #: Application Yea Issue Date: Approval Type: Status: Application Typ Client Name: Client Address: Client Address: Client City: Client Postal Co Project Descript Contaminants: Emission Contro	e ode: tion: rol: of 125 ar: pe: code: tion:	Carleton University 1125 Colonel By Dr Ottawa K1S 5B6 This application is f generator and two ( <i>WNW/16.4</i> 8-4165-93- 93 2/10/1994 Industrial air Approved in 1994	rive for approval of nitro (2) 300kW gas fire 62.9 / 0.00	d water heating systems. CARLETON UNIVERSITY 1125 COLONEL BY DRMACKENZIE	
Application Typ Client Name: Client Address: Client City: Client Postal Co Project Descript Contaminants: Emission Contra 2 9 Certificate #: Application Yea Issue Date: Approval Type: Status: Application Typ Client Name: Client Address: Client City: Client Postal Co Project Descript Contaminants: Emission Contra	code: ntion: rol: of 125 ar: pe: code: ntion: rol:	Carleton University 1125 Colonel By Dr Ottawa K1S 5B6 This application is f generator and two ( <i>WNW/16.4</i> 8-4165-93- 93 2/10/1994 Industrial air Approved in 1994 FUME HOOD EXH.	rive for approval of nitro (2) 300kW gas fire 62.9 / 0.00	d water heating systems. CARLETON UNIVERSITY 1125 COLONEL BY DRMACKENZIE OTTAWA CITY ON CARLETON UNIVERSITY 1125 COLONEL BY DRIVE	CA
Application Typ Client Name: Client Address: Client City: Client Postal Co Project Descript Contaminants: Emission Contro 2 9 Certificate #: Application Yea Issue Date: Approval Type: Status: Application Typ Client Name: Client Address: Client Address: Client City: Client Postal Co Project Descript Contaminants: Emission Contro	code: tion: rol: of 125 ar: code: tion: rol: 0 of 125	Carleton University 1125 Colonel By Dr Ottawa K1S 5B6 This application is f generator and two ( <i>WNW/16.4</i> 8-4165-93- 93 2/10/1994 Industrial air Approved in 1994 FUME HOOD EXH.	rive for approval of nitro (2) 300kW gas fire 62.9 / 0.00	d water heating systems. CARLETON UNIVERSITY 1125 COLONEL BY DRMACKENZIE OTTAWA CITY ON CARLETON UNIVERSITY 1125 COLONEL BY DRIVE	CA

Map Key Numbe Record		Elev/Diff (m)	Site	DE
Approval Type: Status: Application Type: Client Name: Client Address: Client City:	Industrial air Approved			
Client Postal Code: Project Description: Contaminants: Emission Control:	FUMEHOOD RET	ROFIT FOR STE	ACIE BUILDING	
2 11 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonelby Dr(Di Compound OTTAWA ON	esel Tank @ Garage in CF01
Licence No: Registration No: Posse File No: Posse Reg No: Tank Type: Instance Number: Facility Type: Instance Type: Status Name: Fuel Type:	200204-1001 FS OIL 2006-00941 5079		Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Address: Contact Address2: Contact Suite: Contact Suite: Contact City: Contact Prov:	1125 Colonelby Dr Ottawa ON
Distributor: Tank Material: Tank Age (as of 05/1992): Tank Size:	Kildair Service Ltd		Contact Postal: Tank Address: Comments:	K1S 5B6 1125 Colonelby Dr(Diesel Tank @ Garage ir Compound)
2 12 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonelby Dr (D. OTTAWA ON	iesel Tank @ CHP) CF01
Licence No: Registration No: Posse File No: Posse Reg No: Tank Type: Instance Number: Facility Type:	200204-1000 FS OIL 2006-00941 5078		Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Address: Contact Address2:	1125 Colonelby Dr
Instance Type: Status Name: Fuel Type: Distributor: Tank Material: Tank Age (as of 05/1992): Tank Size:	Kildair Service Ltd		Contact Suite: Contact City: Contact Prov: Contact Postal: Tank Address: Comments:	Ottawa ON K1S 5B6 1125 Colonelby Dr (Diesel Tank @ CHP)
2 13 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonelby Dr (B OTTAWA ON	unker #2 Tank) CF01
Licence No: Registration No:	200204-0998		Letter Sent: Corrosion Protection:	

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

Мар Кеу	Number Records		Elev/Diff ) (m)	Site		DB
Posse Reg N	lo:			Nbr:	963	
Tank Type:		Single Wall UST		Contact Name:		
Instance Nui	mber:	43227484		Contact Address:		
Facility Type	e:	FS Fuel Oil Tank		Contact Address2:		
Instance Typ		FS Fuel Oil Tank		Contact Suite:		
Status Name	e:	Active		Contact City:		
Fuel Type:		Fuel Oil		Contact Prov:		
Distributor:		Otaal		Contact Postal:		
Tank Materia		Steel		Tank Address:	1125 COLONEL BY DR	
Tank Age (as 05/1992):	\$ 01			Comments:		
Tank Size:		20000				
<u>2</u>	17 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSI 1125 COLONEL BY DR OTTAWA ON K1S 5B6		CFOT
				OTTAWA ON KIS 560		
Licence No:				Letter Sent:		
Registration	No:			Corrosion Protection:		
Posse File N				Province:	ON	
Posse Reg N	lo:			Nbr:	964	
Tank Type:		Single Wall UST		Contact Name:		
Instance Nui		43227485		Contact Address:		
Facility Type		FS Fuel Oil Tank FS Fuel Oil Tank		Contact Address2:		
Instance Typ Status Name		Active		Contact Suite: Contact City:		
Status Name Fuel Type:		Fuel Oil		Contact Prov:		
Distributor:				Contact Postal:		
Tank Materia	al:	Fiberglass (FRP)		Tank Address:	1125 COLONEL BY DR	
Tank Age (as	s of			Comments:		
05/1992):						
Tank Size:		2280				
<u>2</u>	18 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSI 1125 COLONEL BY DR OTTAWA ON K1S 5B6		CFOT
Licence No:				Letter Sent:		
Registration	No			Corrosion Protection:	Impressed Current	
Posse File N				Province:	ON	
Posse Reg N				Nbr:	962	
Tank Type:		Single Wall UST		Contact Name:		
Instance Nui		43227483		Contact Address:		
Facility Type		FS Fuel Oil Tank		Contact Address2:		
Instance Typ		FS Fuel Oil Tank		Contact Suite:		
Status Name	): 	Active		Contact City:		
Fuel Type:		Fuel Oil		Contact Prov:		
Distributor: Tank Materia		Steel		Contact Postal: Tank Address:	1125 COLONEL BY DR	
Tank Age (as				Comments:	120 OCLONEL DI DI	
05/1992):						
Tank Size:		20000				
2	19 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSI	ТҮ	
-				1125 COLONEL BY DR OTTAWA ON K1S 5B6		CFOT
Licence No:				Letter Sent:		
Registration	No:			Corrosion Protection:		
Posse File N				Province:	ON	
Pusse File N	υ.			FIOVINCE:		

	Number Records		-	Site		DB
Posse Reg N	lo:			Nbr:	364	
Tank Type:		Single Wall UST		Contact Name:		
Instance Nun	nber:	40436980		Contact Address:		
Facility Type		FS Fuel Oil Tank		Contact Address2:		
Instance Typ		FS Fuel Oil Tank		Contact Suite:		
Status Name		Active		Contact City:		
Fuel Type:	•	Fuel Oil		Contact Prov:		
		l'uei Oli				
Distributor:		Cto ol		Contact Postal:		
Tank Materia		Steel		Tank Address:	1125 COLONEL BY DR	
Tank Age (as	5 Of			Comments:		
05/1992):		00000				
Tank Size:		20000				
2	20 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSI 1125 COLONEL BY DR OTTAWA ON K1S 5B6	2	CFOT
Licence No:				Letter Sent:		
Registration				Corrosion Protection:		
Posse File No	o:			Province:	ON	
Posse Reg N	lo:			Nbr:	363	
Tank Type:		Single Wall UST		Contact Name:		
Instance Nun	nber:	40436979		Contact Address:		
Facility Type		FS Fuel Oil Tank		Contact Address2:		
Instance Typ		FS Fuel Oil Tank		Contact Suite:		
Status Name		Active		Contact City:		
Fuel Type:		Fuel Oil		Contact Prov:		
Distributor:				Contact Postal:		
Tank Materia		Steel		Tank Address:	1125 COLONEL BY DR	
		Sleel			1125 COLONEL BY DR	
Tank Age (as	5 01			Comments:		
05/1992):						
Tank Size:		20000				
2	21 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSI 1125 COLONEL BY DR OTTAWA ON K1S 5B6	2	СГОТ
2	21 of 125	WNW/16.4	62.9 / 0.00		2	CFOT
	21 of 125	WNW/16.4	62.9 / 0.00	1125 COLONEL BY DF OTTAWA ON K1S 5B6	2	CFOT
Licence No:		WNW/16.4	62.9 / 0.00	1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent:	2	CFOT
Licence No: Registration	No:	WNW/16.4	62.9 / 0.00	1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent: Corrosion Protection:	2	CFOT
Licence No: Registration Posse File No	No: o:	WNW/16.4	62.9 / 0.00	1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent: Corrosion Protection: Province:	ON	CFOT
Licence No: Registration Posse File No Posse Reg N	No: o:		62.9 / 0.00	1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent: Corrosion Protection: Province: Nbr:	2	CFOT
Licence No: Registration Posse File No Posse Reg N Tank Type:	No: o: lo:	Single Wall UST	62.9 / 0.00	1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent: Corrosion Protection: Province: Nbr: Contact Name:	ON	CFOT
Licence No: Registration Posse File No Posse Reg N Tank Type: Instance Nun	No: o: lo: nber:	Single Wall UST 40392813	62.9 / 0.00	1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Address:	ON	CFOT
Licence No: Registration Posse File No Posse Reg N Tank Type: Instance Nun Facility Type	No: o: lo: mber:	Single Wall UST 40392813 FS Fuel Oil Tank	62.9 / 0.00	1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Address: Contact Address2:	ON	CFOT
Licence No: Registration Posse File No Posse Reg N Tank Type: Instance Nun Facility Type Instance Typ	No: o: lo: mber: s: pe:	Single Wall UST 40392813 FS Fuel Oil Tank FS Fuel Oil Tank	62.9 / 0.00	1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Address: Contact Address2: Contact Suite:	ON	CFOT
Licence No: Registration Posse File No Posse Reg N Tank Type: Instance Nun Facility Type Instance Typ Status Name	No: o: lo: mber: s: pe:	Single Wall UST 40392813 FS Fuel Oil Tank FS Fuel Oil Tank Active	62.9 / 0.00	1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Name: Contact Address: Contact Address2: Contact Suite: Contact City:	ON	CFOT
Licence No: Registration Posse File No Posse Reg N Tank Type: Instance Nun Facility Type Instance Typ Status Name	No: o: lo: mber: s: pe:	Single Wall UST 40392813 FS Fuel Oil Tank FS Fuel Oil Tank	62.9 / 0.00	1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Address: Contact Address2: Contact Suite:	ON	CFOT
Licence No: Registration Posse File No Posse Reg N Tank Type: Instance Nun Facility Type Instance Typ Status Name	No: o: lo: mber: s: pe:	Single Wall UST 40392813 FS Fuel Oil Tank FS Fuel Oil Tank Active	62.9 / 0.00	1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Name: Contact Address: Contact Address2: Contact Suite: Contact City:	ON	CFOT
Licence No: Registration Posse File No Posse Reg N Tank Type: Instance Nun Facility Type Instance Typ Status Name Fuel Type:	No: o: lo: mber: s: se: s:	Single Wall UST 40392813 FS Fuel Oil Tank FS Fuel Oil Tank Active	62.9 / 0.00	1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Address: Contact Address2: Contact Address2: Contact Suite: Contact City: Contact Prov:	ON	CFOT
Licence No: Registration Posse File No Posse Reg N Tank Type: Instance Num Facility Type Instance Typ Status Name Fuel Type: Distributor:	No: o: lo: mber: s: be: s:	Single Wall UST 40392813 FS Fuel Oil Tank FS Fuel Oil Tank Active Fuel Oil	62.9 / 0.00	1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Address: Contact Address2: Contact Address2: Contact Suite: Contact City: Contact Prov: Contact Prostal:	ON 362	CFOT
Licence No: Registration Posse File No Posse Reg N Tank Type: Instance Nun Facility Type Instance Typ Status Name Fuel Type: Distributor: Tank Materia	No: o: lo: mber: s: be: s:	Single Wall UST 40392813 FS Fuel Oil Tank FS Fuel Oil Tank Active Fuel Oil	62.9 / 0.00	1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Address: Contact Address2: Contact Address2: Contact City: Contact City: Contact Prov: Contact Prostal: Tank Address:	ON 362	CFOT
Licence No: Registration Posse File No Posse Reg N Tank Type: Instance Num Facility Type Instance Typ Status Name Fuel Type: Distributor: Tank Materia Tank Age (as	No: o: lo: mber: s: be: s:	Single Wall UST 40392813 FS Fuel Oil Tank FS Fuel Oil Tank Active Fuel Oil	62.9 / 0.00	1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Address: Contact Address2: Contact Address2: Contact City: Contact City: Contact Prov: Contact Prostal: Tank Address:	ON 362	CFOT
Licence No: Registration Posse File Na Posse Reg N Tank Type: Instance Nun Facility Type Instance Typ Status Name Fuel Type: Distributor: Tank Materia Tank Age (as 05/1992): Tank Size:	No: o: lo: mber: s: be: s:	Single Wall UST 40392813 FS Fuel Oil Tank FS Fuel Oil Tank Active Fuel Oil Steel	62.9 / 0.00	1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Address: Contact Address2: Contact Address2: Contact City: Contact City: Contact Prov: Contact Prostal: Tank Address:	ON 362 1125 COLONEL BY DR	
Licence No: Registration Posse File No Posse Reg N Tank Type: Instance Nun Facility Type Instance Typ Status Name Fuel Type: Distributor: Tank Materia Tank Age (as 05/1992):	No: o: lo: mber: e: se: s:	Single Wall UST 40392813 FS Fuel Oil Tank FS Fuel Oil Tank Active Fuel Oil Steel 20000		1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Address: Contact Address2: Contact Address2: Contact City: Contact Prov: Contact Postal: Tank Address: Comments:	ON 362 1125 COLONEL BY DR	CFOT
Licence No: Registration Posse File No Posse Reg N Tank Type: Instance Num Facility Type Instance Typ Status Name Fuel Type: Distributor: Tank Materia Tank Age (as 05/1992): Tank Size:	No: o: lo: mber: e: se: s:	Single Wall UST 40392813 FS Fuel Oil Tank FS Fuel Oil Tank Active Fuel Oil Steel 20000		1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Address: Contact Address2: Contact Address2: Contact Suite: Contact City: Contact Prov: Contact Prov: Contact Postal: Tank Address: Comments: Comments:	ON 362 1125 COLONEL BY DR	
Licence No: Registration Posse File No Posse Reg N Tank Type: Instance Num Facility Type Instance Typ Status Name Fuel Type: Distributor: Tank Materia Tank Age (as 05/1992): Tank Size: 2 Licence No:	No: o: lo: mber: :: s: s: 22 of 125	Single Wall UST 40392813 FS Fuel Oil Tank FS Fuel Oil Tank Active Fuel Oil Steel 20000		1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Address: Contact Address: Contact Address: Contact City: Contact Prov: Contact Prov: Contact Prostal: Tank Address: Comments: Comments: CARLETON UNIVERSI 1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent:	ON 362 1125 COLONEL BY DR	
Licence No: Registration Posse File No Posse Reg N Tank Type: Instance Num Facility Type Instance Typ Status Name Fuel Type: Distributor: Tank Materia Tank Age (as 05/1992): Tank Size:	No: o: lo: mber: v: ve: v: sof 22 of 125 No:	Single Wall UST 40392813 FS Fuel Oil Tank FS Fuel Oil Tank Active Fuel Oil Steel 20000		1125 COLONEL BY DR OTTAWA ON K1S 5B6 Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Address: Contact Address2: Contact Address2: Contact Suite: Contact City: Contact Prov: Contact Prov: Contact Postal: Tank Address: Comments: Comments:	ON 362 1125 COLONEL BY DR	

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Posse Reg N Tank Type: Instance Nun Facility Type Instance Typ Status Name Fuel Type: Distributor: Tank Materia Tank Age (as 05/1992): Tank Size:	mber: e: e: e: al:	Single Wall 4 43227482 FS Fuel Oil 7 FS Fuel Oil 7 Active Fuel Oil Steel 20000	Tank		Nbr: Contact Name: Contact Address: Contact Address2: Contact Suite: Contact City: Contact Prov: Contact Postal: Tank Address: Comments:	961 1125 COLONEL BY DR	
<u>2</u>	23 of 125	l	VNW/16.4	62.9 / 0.00	CARLETON UNIVERSI 1125 COLONEL BY DR OTTAWA ON K1S 5B6		CFOT
Licence No: Registration Posse File N Posse Reg N Tank Type: Instance Nui Facility Type Instance Typ Status Name Fuel Type: Distributor: Tank Materia Tank Age (as 05/1992): Tank Size:	lo: lo: mber: e: e: e: al:	Single Wall 1 43227486 FS Fuel Oil <sup>7</sup> FS Fuel Oil <sup>7</sup> Active Fuel Oil Fiberglass (I 9092	Tank Tank		Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Address: Contact Address2: Contact Suite: Contact Suite: Contact City: Contact Prov: Contact Prostal: Tank Address: Comments:	ON 965 1125 COLONEL BY DR	
2	24 of 125	l	VNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive OTTAWA ON	Ottawa K1S 5B6 CITY OF	EBR
EBR Registr Ministry Ref Notice Type: Notice Stage Notice Date: Proposal Da Year: Instrument 1 Off Instrume Posted By: Company Na Site Address Location Oth Proponent N Proponent A Comment Pe URL:	No: te: Type: ent Name: ame: s: her: lame: lame: Nddress:	Ca	Decision 7, 2016 6 PA Part II.1-sewa arleton University		Decision Posted: Exception Posted: Section: Act 1: Act 2: Site Location Map: ntal Compliance Approval (proj	ect type: sewage)	
Site Location	n Details:						

1125 Colonel By Drive Ottawa K1S 5B6 CITY OF OTTAWA

Мар Кеу	Number Records		Elev/Diff (m)	Site		DB
<u>2</u>	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 Status: Record Type: Link Source:		2019-07-18 Approved ECA IDS		City: Longitude: Latitude: Geometry X:	-75.69814 45.384583 -8426678.3988	
SWP Area Na Approval Typ Project Type: Address:	e:	Rideau Valley ECA-AIR AIR 1125 Colonel By D	)r	Geometry Y:	5682270.776100002	
Full Address: Full PDF Link				.gov.on.ca/instruments/8358-	B38REH-14.pdf	
2	26 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6		ECA
Approval No: Approval Date		5218-76XSYZ 2007-10-09		MOE District: City:	Ottawa	
Status: Record Type: Link Source: SWP Area Na Approval Typ Project Type:	me: e:	Approved ECA IDS Rideau Valley ECA-AIR AIR		Longitude: Latitude: Geometry X: Geometry Y:	-75.69814 45.384583	
Address: Full Address: Full PDF Link		1125 Colonel By E https://www.acces WNW/16.4		.gov.on.ca/instruments/7289- Carleton University	6SBQYF-14.pdf	ECA
				1125 Colonel By Dr Ottawa ON K1S 5B6		
Approval No: Approval Date Status:		2886-ANARUX 2017-06-19 Approved		MOE District: City: Longitude:	Ottawa -75.69814	
Record Type: Link Source: SWP Area Na Approval Typ Project Type: Address:	me: pe:	ECA IDS Rideau Valley ECA-MUNICIPAL MUNICIPAL AND 1125 Colonel By D	PRIVATE SEWAG	Latitude: Geometry X: Geometry Y: EWAGE WORKS	45.384583	
Full Address: Full PDF Link		https://www.acces	senvironment.ene	.gov.on.ca/instruments/7142-	AN5RZ7-14.pdf	
2	28 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6		ECA
Approval No: Approval Date		2752-AF6JHY 2016-11-28		MOE District: City:	Ottawa	
Status: Record Type: Link Source: SWP Area Na Approval Typ	me: pe:	Approved ECA IDS Rideau Valley ECA-MUNICIPAL		Longitude: Latitude: Geometry X: Geometry Y: EWAGE WORKS	-75.69814 45.384583	
Project Type:		MUNICIPAL AND			Order N	o: 20190920010

Map Key	Number Records		Elev/Diff (m)	Site		DE
Address: Full Address: Full PDF Link:		1125 Colonel By		.gov.on.ca/instruments/2198-A	.7WQAA-14.pdf	
2	29 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6		ECA
Approval No: Approval Date Status: Record Type: Link Source: SWP Area Nan Approval Type: Project Type: Address: Full Address:	ne: e:	2280-7H9QJ4 2008-08-08 Approved ECA IDS Rideau Valley ECA-AIR AIR 1125 Colonel By		MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	Ottawa -75.69814 45.384583	
Full PDF Link:		https://www.acces	ssenvironment.ene	.gov.on.ca/instruments/9091-7	ETQTT-14.pdf	
<u>2</u>	30 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON K1S 5B6		ECA
Approval No: Approval Date Status: Record Type: Link Source: SWP Area Nar Approval Type Project Type: Address: Full Address: Full Address:	ne: e:	5324-67XL2N 2004-12-23 Approved ECA IDS Rideau Valley ECA-AIR AIR 1125 Colonel By https://www.acces		MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: .gov.on.ca/instruments/7050-6	Ottawa -75.69814 45.384583 3RQVU-14.pdf	
<u>2</u>	31 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON K1S 5B6		ECA
Approval No: Approval Date Status: Record Type: Link Source: SWP Area Nar Approval Type Project Type: Address: Full Address: Full Address:	ne: e:	5294-5LRHN6 2003-04-25 Approved ECA IDS Rideau Valley ECA-AIR AIR 1125 Colonel By https://www.acces		MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	Ottawa -75.69814 45.384583 JELLX-14.pdf	
<u>2</u>	32 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON K1S 5B6		ECA
Approval No: Approval Date Status:	);	0072-53UPTM 2002-03-01 Approved		MOE District: City: Longitude:	Ottawa -75.69814	
		m   Environmental Risk Ir	<u> </u>	-		r No: 2019092001

erisinfo.com | Environmental Risk Information Services

Мар Кеу	Number Records		Elev/Diff n) (m)	Site		DE
Record Type Link Source SWP Area N Approval Type Project Type Address: Full Address	: ame: pe: ::		L AND PRIVATE SI D PRIVATE SEWAG Drive		45.384583	
Full PDF Lin		https://www.acce	essenvironment.ene	.gov.on.ca/instruments/5244-5	3TMVY-14.pdf	
<u>2</u>	33 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON K1S 5B6		ECA
Approval No Approval Da Status: Record Type Link Source SWP Area N Approval Ty Project Type Address: Full Address Full Address	te: :: ame: pe: ::	2704-67XMCF 2005-01-14 Revoked and/or Replaced ECA IDS Rideau Valley ECA-AIR AIR 1125 Colonel By https://www.acce		MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	Ottawa -75.69814 45.384583 3RQS6-14.pdf	
<u>2</u>	34 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6		ECA
Approval No Approval No Status: Record Type Link Source SWP Area N Approval Type Address: Full Address Full Address	te: : ame: pe: ::	4466-AHKJLS 2017-04-04 Approved ECA IDS Rideau Valley ECA-AIR AIR 1125 Colonel By https://www.acce		MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	Ottawa -75.69814 45.384583 \5UL3A-14.pdf	
<u>2</u>	35 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON K1S 5B6		ECA
Approval No Approval Da Status: Record Type Link Source. SWP Area N Approval Type Address: Full Address Full Address	te: : ame: pe: ::	1599-5E2UKD 2002-09-16 Approved ECA IDS Rideau Valley ECA-AIR AIR 1125 Colonel By https://www.acce		MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	Ottawa -75.69814 45.384583 AVU7G-14.pdf	
<u>2</u>	36 of 125	WNW/16.4	62.9/0.00	1125 Colonel By Dr Ottawa ON		EHS

Map Key	Number Records		Elev/Diff (m)	Site		D
Order No: Status: Report Type: Report Date: Date Receive Previous Site Lot/Building Additional In	ed: e Name: Size:	20031016001 C Complete Report 10/24/03 10/16/03	d/or Site Plans a	Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y: Y: nd/or Inspection Reports	ON 0.45 -75.693882 45.386202	
	io ordered.					
<u>2</u>	37 of 125	WNW/16.4	62.9 / 0.00	1125 Colonel By Dr Ottawa ON		EHS
Order No: Status: Report Type: Report Date: Date Receive Previous Site Lot/Building Additional In	ed: e Name: Size:	20040421003 C Complete Report 4/29/04 4/21/04		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON 0.25 -75.695445 45.386152	
2	38 of 125	WNW/16.4	62.9 / 0.00	1125 Colonel By Drive Ottawa ON		EHS
Drder No: Status: Report Type: Report Date: Date Receive Previous Site Lot/Building Additional In	ed: e Name: Size:	20070131041 C CAN - Custom Report 2/6/2007 1/31/2007 Fire Insur. Maps Ar	nd /or Site Plans;	Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y: Title Search	0.25 -75.697878 45.386445	
2	39 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSI 1125 COLONEL BY DR	2	FST
Instance No: Cont Name: Instance Typp Fuel Type: Status: Capacity: Tank Materia Corrosion Pr Tank Type: Install Year: Parent Facili Facility Type	e: I: rotection: ty Type:	10902323 FS Liquid Fuel Tan Gasoline Active 9091 Fiberglass (FRP) Fiberglass Single Wall UST 1980 Fuels Safety Private FS Liquid Fuel Tan	e Fuel Outlet - Se	OTTAWA ON K1S 5B6		
<u>2</u>	40 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSI 1125 COLONEL BY DR OTTAWA ON K1S 5B6	2	FST
nstance No: Cont Name: Instance Typ		10902338 FS Liquid Fuel Tan	k			

Status: Capacity: Tank Material: Corrosion Protec Tank Type: Install Year: Parent Facility Ty Facility Type: 241		Active 9091 Fiberglass (FRP) Fiberglass Single Wall UST 1980 Fuels Safety Priva FS Liquid Fuel Tar	te Fuel Outlet - Self S nk	erve	
Tank Material: Corrosion Protec Tank Type: Install Year: Parent Facility Ty Facility Type:	/pe:	Fiberglass (FRP) Fiberglass Single Wall UST 1980 Fuels Safety Priva		erve	
Corrosion Protec Fank Type: nstall Year: Parent Facility Ty Facility Type:	/pe:	Fiberglass Single Wall UST 1980 Fuels Safety Priva		erve	
Tank Type: nstall Year: Parent Facility Ty Facility Type:	/pe:	Single Wall UST 1980 Fuels Safety Priva		erve	
nstall Year: Parent Facility Ty Facility Type:		1980 Fuels Safety Priva		erve	
Parent Facility Ty Facility Type:		Fuels Safety Priva		erve	
acility Type:				erve	
	of 125	FS LIQUID FUEL LA	пк		
<u>2</u> 41	of 125				
		WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DR OTTAWA ON K1S 5B6	FST
nstance No:		10902356			
Cont Name:					
nstance Type:		FS Liquid Fuel Ta	nk		
uel Type:		Diesel			
Status:		Active			
Capacity:		9091			
ank Material:		Fiberglass (FRP)			
Corrosion Protec	tion:	Fiberglass			
ank Type:		Single Wall UST			
nstall Year:		1980			
Parent Facility Ty	/pe:		te Fuel Outlet - Self S	erve	
Facility Type:		FS Liquid Fuel Ta	nk		
<u>2</u> 42	of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DR OTTAWA ON	FSTH
License Issue Da	ite:	7/9/1990			
Tank Status:		Licensed			
Tank Status As C	Df:	August 2007			
Operation Type:		Private Fuel Outle			
Facility Type:		Gasoline Station -	Self Serve		
-Details		<b>A</b> 11			
Status:		Active			
Year of Installatio		1980			
Corrosion Protec	:001:	9091			
Capacity: Tank Fuel Type:			Wall UST - Gasoline		
_					
Status: Year of Installatio	on:	Active 1980			
<b>Corrosion Protec</b>	tion:				
Capacity:		9091			
Tank Fuel Type:		Liquid Fuel Single	Wall UST - Gasoline		
Status:		Active			
ear of Installatio	on:	1980			
Corrosion Protec		-			
Capacity:		9091			
Tank Fuel Type:		Liquid Fuel Single	Wall UST - Diesel		
<u>2</u> 43	of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DR OTTAWA ON	FSTH
License Issue Da	nte:	7/9/1990			

Мар Кеу	Number Records		tion/ nce (m)	Elev/Diff (m)	Site		DB
Tank Status Tank Status Operation Ty Facility Type	As Of: ype:			elf Serve			
<u>Details</u> Status: Year of Insta Corrosion P Capacity: Tank Fuel Ty	rotection:	Active 1980 9091 Liquid Fu	iel Single W	'all UST - Gasoline			
Status: Year of Insta Corrosion P Capacity: Tank Fuel Ty	rotection:	Active 1980 9091 Liquid Fu	iel Single W	'all UST - Gasoline			
Status: Year of Insta Corrosion P Capacity: Tank Fuel Ty	rotection:	Active 1980 9091 Liquid Fu	iel Single W	'all UST - Diesel			
2	44 of 125	WNW/1	6.4	62.9 / 0.00	Alinea Dental 1125 Colonel By Dr S Ottawa ON K1S5R1	uite 2100	GEN
Generator N Status: Approval Ye Contam. Fac MHSW Facil SIC Code: SIC Descript	ars: cility: ity:	ON3368236 Registered As of Jul 2019			PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	Canada	
<u>Detail(s)</u> Waste Class Waste Class		312 P Patholog	ical wastes				
2	45 of 125	WNW/1	6.4	62.9 / 0.00	CARLETON UNIVERS 1125 COLONEL BY D OTTAWA ON K1S 5B	RIVE	GEN
Generator N Status: Approval Ye Contam. Faci MHSW Facil SIC Code: SIC Descript	ars: cility: ity:	ON0051100 Registered As of Jul 2019			PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	Canada	
<u>Detail(s)</u>							
Waste Class Waste Class		148 B Misc. wa	stes and inc	organic chemicals			
Waste Class Waste Class		145 L Wastes f	rom the use	of pigments, coati	ngs and paints		

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class: Waste Class		331 I Waste compressed	gases including c	ylinders	
Waata Class		213			
Waste Class: Waste Class		Petroleum distillates	3		
Waste Class:		148 T			
Waste Class		Misc. wastes and in	organic chemicals	S	
Waste Class:		148 L			
Waste Class		Misc. wastes and in	organic chemicals	S	
Waste Class:		252 T			
Waste Class	Desc:	Waste crankcase oi	ls and lubricants		
Waste Class:		122 C			
Waste Class	Desc:	Alkaline slutions - co	ontaining other m	etals and non-metals (not cyanide)	
Waste Class:		264 C			
Waste Class	Desc:	Photoprocessing wa	astes		
Waste Class:	:	232			
Waste Class		Polymeric resins			
Waste Class:		145 I			
Waste Class	Desc:	Wastes from the use	e of pigments, coa	atings 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 soa	ps		
Waste Class:		146 R			
Waste Class	Desc:	Other specified inor	ganic sludges, slu	urries or solids	
Waste Class:	:	252 L			
Waste Class	Desc:	Waste crankcase oi	ls and lubricants		
Waste Class:	:	241 H			
Waste Class	Desc:	Halogenated solven	ts 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 inor	ganic sludges, slu	urries or solids	
Waste Class:		212 I			
Waste Class	Desc:	Aliphatic solvents a	nd residues		
Waste Class:		148 R			
Waste Class	Desc:	Misc. wastes and in	organic chemicals	5	
Waste Class:		221 L			
Waste Class	Desc:	Light fuels			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	D
Waste Class:		112 C			
Waste Class	Desc:	Acid solutions - cont	taining heavy m	tals	
Waste Class:	:	263 L			
Waste Class	Desc:	Misc. waste organic	chemicals		
Waste Class:	:	121 C			
Waste Class	Desc:	Alkaline slutions - co	ontaining heavy	netals	
Waste Class:		253 L			
Waste Class	Desc:	Emulsified oils			
Waste Class:		148 C			
Waste Class		Misc. wastes and in	organic chemica	S	
Waste Class:		263 B			
Waste Class		Misc. waste organic	chemicals		
Waste Class:		263 C			
Waste Class		Misc. waste organic	chemicals		
Waste Class:		312 P			
Waste Class		Pathological wastes			
Waste Class:		211 H			
Waste Class. Waste Class		Aromatic solvents a	nd residues		
Waste Class:		212 L			
Waste Class. Waste Class		Aliphatic solvents ar	nd residues		
Waste Class:		221			
Waste Class. Waste Class		Light fuels			
Waste Class:		331 C			
Waste Class		Waste compressed	gases including	cylinders	
Waste Class:		113 C			
Waste Class		Acid solutions - cont	taining other me	als and non-metals	
Waste Class:		261 A			
Waste Class		Pharmaceuticals			
Waste Class:		263			
Waste Class		Misc. waste organic	chemicals		
Waste Class:		148 I			
Waste Class		Misc. wastes and in	organic chemica	s	
Waste Class:		211			
Waste Class. Waste Class		Aromatic solvents a	nd residues		
Waste Class:		263 T			
Waste Class.		Misc. waste organic	chemicals		
Waste Class:		264 T			
Waste Class. Waste Class		Photoprocessing wa	istes		
Waste Class:		148 A			
Waste Class		Misc. wastes and in	organic chemica	s	
2	46 of 125	WNW/16.4	62.9 / 0.00	Environment Canada Ecotoxi	cology and Wildlife
<u>2</u>	40 01 120	**/***/10.4	02.3/ 0.00	Heath Division	GEN
				National Wildlife Research Ce by Dr., Raven Rd, Carleton Ur Ottawa ON K1S 5B6	

, ,	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Generator No: Status: Approval Years: Contam. Facility MHSW Facility: SIC Code: SIC Description.	Regis As of <i>I</i> :	173889 stered Jul 2019		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	Canada	
<u>Detail(s)</u>						
Waste Class: Waste Class De	sc:	114 C Other inorganic ac	id wastes			
Waste Class: Waste Class De	sc:	269 I Organic non-halog	enated pesticide	and herbicide wastes		
Waste Class: Waste Class De	sc:	252 L Waste crankcase	oils and lubricants	i		
Waste Class: Waste Class De	sc:	241 H Halogenated solve	ents and residues			
Waste Class: Waste Class De	sc:	263 B Misc. waste organ	ic chemicals			
Waste Class: Waste Class De	sc:	269 L Organic non-halog	enated pesticide	and herbicide wastes		
Waste Class: Waste Class De	sc:	242 A Halogenated pesti	cides and herbicio	des		
Waste Class: Waste Class De	sc:	312 P Pathological waste	es			
Waste Class: Waste Class De	sc:	263 C Misc. waste organ	ic chemicals			
Waste Class: Waste Class De	sc:	263 I Misc. waste organ	ic chemicals			
Waste Class: Waste Class De	sc:	269 T Organic non-halog	enated pesticide	and herbicide wastes		
Waste Class: Waste Class De	sc:	148 C Misc. wastes and	inorganic chemica	ls		
Waste Class: Waste Class De	sc:	263 L Misc. waste organ	ic chemicals			
Waste Class: Waste Class De	sc:	212 I Aliphatic solvents	and residues			
<u>2</u> 47	7 of 125	WNW/16.4	62.9 / 0.00	Group IV Semicondu Carleton University 1 Ottawa ON	ctor Inc. 125 Colonel By Drive	GEN
Generator No: Status: Approval Years: Contam. Facility MHSW Facility: SIC Code:	2009 : 32518	278185 39, 325190		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:		
SIC Description			organic Chemical	Manufacturing, Other Basic C	Organic Chemical Manufacturin	g

Map Key	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
<u>Detail(s)</u>							
Waste Class: Waste Class I	Desc:		148 INORGANIC LABC	RATORY CHEM	IICALS		
Waste Class: Waste Class I	Desc:		263 ORGANIC LABOR	ATORY CHEMIC	ALS		
2	48 of 125		WNW/16.4	62.9 / 0.00	CARLETON UNIVER 1125 COLONEL BY OTTAWA ON K1S 5	DRIVE	GEN
Generator No Status: Approval Yea Contam. Facilit MHSW Facilit SIC Code: SIC Descriptio	rs: lity: y:	ON0051 2014 No 611310	100 UNIVERSITIES		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	Canada CO_OFFICIAL Tina Preseau 613-520-2600 Ext.3809	
<u>Detail(s)</u>							
Waste Class: Waste Class I	Desc:		221 LIGHT FUELS				
Waste Class: Waste Class I	Desc:		112 ACID WASTE - HE	AVY METALS			
Waste Class: Waste Class I	Desc:		331 WASTE COMPRES	SSED GASES			
Waste Class: Waste Class I	Desc:		242 HALOGENATED P	ESTICIDES			
Waste Class: Waste Class I	Desc:		213 PETROLEUM DIST	TILLATES			
Waste Class: Waste Class I	Desc:		113 ACID WASTE - OT	HER METALS			
Waste Class: Waste Class I	Desc:		222 HEAVY FUELS				
Waste Class: Waste Class I	Desc:		264 PHOTOPROCESS	ING WASTES			
Waste Class: Waste Class I	Desc:		263 ORGANIC LABOR	ATORY CHEMIC	ALS		
Waste Class: Waste Class I	Desc:		253 EMULSIFIED OILS	i			
Waste Class: Waste Class I	Desc:		232 POLYMERIC RESI	NS			
Waste Class: Waste Class I	Desc:		148 INORGANIC LABC	RATORY CHEM	IICALS		
Waste Class: Waste Class I	Desc:		145 PAINT/PIGMENT/0	COATING RESID	UES		
Waste Class:			241				

		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Desc:		HALOGENATED S	OLVENTS			
		252				
Desc:			IBRICANTS			
		121				
Desc:			S - HEAVY META	ALS		
		269				
Desc:			ED PESTICIDES			
		211				
Desc:			ENTS			
		0.40				
0630.		1000				
-		262	4.00			
Desc:		DETERGENTS/SO	APS			
		312				
Desc:		PATHOLOGICAL V	VASTES			
		146				
Desc:		OTHER SPECIFIEI	D INORGANICS			
		212				
Desc:			ENTS			
		122				
Desc:			S - OTHER MET	ALS		
		251				
Desc:			SLUDGES			
		261				
Desc:			LS			
49 of 125		WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	e	GEN
:	ON37705	520		PO Box No:		
				Country:		
	2013					
y:				Phone No Admin:		
on:	621110	OFFICES OF PHYS	SICIANS			
Desc:		312 PATHOLOGICAL V	VASTES			
50 of 125		WNW/16.4	62.9 / 0.00	Alinea Dental 1125 Colonel By Dr S Ottawa ON K1S5R1	uite 2100	GEN
:	ON33682	236		PO Box No:		
				Country:	Canada	
rs:	2015			Choice of Contact:	CO OFFICIAL	
	Records Desc: desc	Desc: Desc: Desc: Desc: Desc: Desc: Desc: Desc: Desc: Desc: Desc: 2013 lity: y: 621110 on: Desc: 50 of 125	RecordsDistance (m)Desc:HALOGENATED SDesc:252WASTE OILS & LUDesc:121ALKALINE WASTEDesc:269NON-HALOGENATDesc:211AROMATIC SOLVEDesc:262Desc:262Desc:312Desc:146Desc:122Desc:122Desc:251Desc:261Desc:261Desc:261Desc:261Desc:261Desc:261Desc:261Desc:261Desc:261Desc:261Desc:261Desc:261Desc:261Desc:2013Ifty:312Desc:312Desc:312Desc:312Desc:312Desc:312Desc:312Desc:50 of 125WNW/16.4	RecordsDistance (m) (m)Desc:HALOGENATED SOLVENTSDesc:252 WASTE OILS & LUBRICANTSDesc:121 ALKALINE WASTES - HEAVY METADesc:269 NON-HALOGENATED PESTICIDESDesc:211 AROMATIC SOLVENTSDesc:243 PCBSDesc:262 DETERGENTS/SOAPSDesc:262 DETERGENTS/SOAPSDesc:211 AROMATIC SOLVENTSDesc:262 PATHOLOGICAL WASTESDesc:212 ALIPHATIC SOLVENTSDesc:146 OTHER SPECIFIED INORGANICSDesc:212 ALIPHATIC SOLVENTSDesc:251 OIL SKIMMINGS & SLUDGESDesc:261 PHARMACEUTICALS49 of 125WNW/16.4 62.9/0.00rs:2013 PATHOLOGICAL WASTESJiry: y: on:621110 OFFICES OF PHYSICIANSDesc:312 PATHOLOGICAL WASTES50 of 125WNW/16.4 62.9/0.00	Records     Distance (m)     (m)       Desc:     HALOGENATED SOLVENTS     252       Desc:     252       Desc:     121       Desc:     ALKALINE WASTES - HEAVY METALS       269     269       Desc:     NON-HALOGENATED PESTICIDES       Desc:     243       Desc:     AROMATIC SOLVENTS       Desc:     243       Desc:     DETERGENTS/SOAPS       Desc:     DETERGENTS/SOAPS       Desc:     DETERGENTS/SOAPS       Desc:     212       Desc:     DETERGENTS/SOAPS       Desc:     212       Desc:     251       Desc:     OIL SKIMMINGS & SLUDGES       Desc:     261       <	Records         Distance (m) (m)           Desc:         HALOGENATED SOLVENTS           252         252           Desc:         121           ALKALINE WASTES - HEAVY METALS         269           Desc:         121           ALKALINE WASTES - HEAVY METALS         269           Desc:         211           ALKALINE WASTES - HEAVY METALS         269           Desc:         211           ALKALINE WASTES - HEAVY METALS         269           Desc:         211           ALPHATIC SOLVENTS         243           Desc:         262           Desc:         262           Desc:         211           AROMATIC SOLVENTS         212           Desc:         146           OTHER SPECIFIED INORGANICS         212           Desc:         122           ALIPHATIC SOLVENTS         122           Desc:         211           Desc:         212           Desc:         213           MARACEUTICALS         214           Desc:         213           Iffinition         62.9 / 0.00           Carleton University 1125 Colonel By Drive Ottawa ON           Country: <td< td=""></td<>

erisinfo.com | Environmental Risk Information Services

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	DB
MHSW Facilit SIC Code: SIC Descripti	-	No 621210	OFFICES OF DEN	ITISTS	<b>Phone No Admin:</b> 6135213368 Ext.	
<u>Detail(s)</u>						
Waste Class: Waste Class			312 PATHOLOGICAL	WASTES		
<u>2</u>	51 of 125		WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA ON	GEN
Generator No Status: Approval Yea Contam. Faci MHSW Facilit SIC Code: SIC Descripti	nrs: lity: 'y:	ON0051 2009 611310	100 Universities		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>						
Waste Class: Waste Class			112 ACID WASTE - HE	EAVY METALS		
Waste Class: Waste Class			113 ACID WASTE - OT	THER METALS		
Waste Class: Waste Class			121 ALKALINE WASTE	ES - HEAVY MET	ALS	
Waste Class: Waste Class			146 OTHER SPECIFIE	D INORGANICS		
Waste Class: Waste Class			122 ALKALINE WASTE	ES - OTHER MET	ALS	
Waste Class: Waste Class	Desc:		145 PAINT/PIGMENT/	COATING RESID	UES	
Waste Class: Waste Class			148 INORGANIC LABO	DRATORY CHEM	ICALS	
Waste Class: Waste Class			211 AROMATIC SOLV	ENTS		
Waste Class: Waste Class			212 ALIPHATIC SOLV	ENTS		
Waste Class: Waste Class	Desc:		213 PETROLEUM DIS	TILLATES		
Waste Class: Waste Class			221 LIGHT FUELS			
Waste Class: Waste Class			222 HEAVY FUELS			
Waste Class: Waste Class			241 HALOGENATED S	OLVENTS		
Waste Class:			242			

of G	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
	HALOGENATED F	PESTICIDES			
	243 PCBS				
	251 OIL SKIMMINGS &	& SLUDGES			
	252 WASTE OILS & LU	JBRICANTS			
	253 EMULSIFIED OILS	3			
	262 DETERGENTS/SC	DAPS			
	263 ORGANIC LABOR	ATORY CHEMIC	ALS		
	264 PHOTOPROCESS	SING WASTES			
	269 NON-HALOGENA	TED PESTICIDES	;		
	312 PATHOLOGICAL	WASTES			
	331 WASTE COMPRE	SSED GASES			
	WNW/16.4	62.9 / 0.00			GEN
ON3415	693		PO Box No:		
2016 No No			Country: Choice of Contact: Co Admin: Phone No Admin:	Canada CO_OFFICIAL	
238291	ELEVATOR AND I				
	252 WASTE OILS & LU	JBRICANTS			
	WNW/16.4	62.9 / 0.00			GEN
ON0051	100		PO Box No:		
2011			Country: Choice of Contact: Co Admin:		
611310	Universities		Phone No Admin:		
	ON34150 2016 No 238291 ON0051 2011	HALOGENATED F         243         PCBS         251         OIL SKIMMINGS &         252         WASTE OILS & LU         253         EMULSIFIED OILS         262         DETERGENTS/SC         263         ORGANIC LABOR         264         PHOTOPROCESS         269         NON-HALOGICAL         331         WASTE COMPRE         WNW/16.4         ON3415693         2016         No         238291         ELEVATOR AND I         252         WASTE OILS & LU         0N0051100         2011         611310	HALOGENATED PESTICIDES          243       PCBS         251       OIL SKIMMINGS & SLUDGES         252       WASTE OILS & LUBRICANTS         262       DETERGENTS/SOAPS         263       ORGANIC LABORATORY CHEMIC/         264       PHOTOPROCESSING WASTES         269       NON-HALOGENATED PESTICIDES         312       PATHOLOGICAL WASTES         331       WASTE COMPRESSED GASES         WNW/16.4         62.9 / 0.00         ON3415693         2016       No         No       252         WASTE OILS & LUBRICANTS         252         WASTE OILS & LUBRICANTS         2016       Summer Colspan="2">Summer Colspan="2">Summer Colspan="2">Colspan= 2"Colspan="2">Colspan="2"	HALOGENATED PESTICIDES          HALOGENATED PESTICIDES         243         PCBS         251         OIL SKIMMINGS & SLUDGES         252         WASTE OILS & LUBRICANTS         263         ORGANIC LABORATORY CHEMICALS         264         PHOTOPROCESSING WASTES         269         NON-HALOGENATED PESTICIDES         312         PATHOLOGICAL WASTES         331         WASTE COMPRESSED GASES         ON3415693         2016         No         NO         238291         ELEVATOR AND ESCALATOR INSTALLATION CONTRACTOR         252         WASTE OILS & LUBRICANTS         252         WASTE OILS & LUBRICANTS         238291         ELEVATOR AND ESCALATOR INSTALLATION CONTRACTOR         2110       CARLETON UNIVERS         252       WASTE OILS & LUBRICANTS         2010       CARLETON UNIVERS         1125 COLONEL BY DOTTAWA ON         0N00051100       PO Box No:         Contry:       Choice of Contact:         CO Admin:       Phone No Admin:         11310       PO Box No:	HALOGENATED PESTICIDES  HALOGENATED PESTICIDES  A  A  PCBS  251 OIL SKIMMINGS & SLUDGES  252 WASTE OILS & LUBRICANTS  253 EMULSIFIED OILS  262 DETERGENTS/SOAPS  263 ORGANIC LABORATORY CHEMICALS  264 PHOTOPROCESSING WASTES  269 NON-HALOGENATED PESTICIDES  312 PATHOLOGICAL WASTES  331 WASTE COMPRESSED GASES   VWW/16.4  62.9 / 0.00 Elevation Elevator Inc.  1125 Colonel By Drive Ottawa ON K155B6 ON3415693 PO Box No: Country: Contry: Contr

#### <u>Detail(s)</u>

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Waste Class		269 NON-HALOGENATE	ED PESTICIDES		
Waste Class. Waste Class	:	243 PCBS			
Waste Class. Waste Class		121 ALKALINE WASTES	S - HEAVY METALS		
Waste Class. Waste Class		262 DETERGENTS/SOA	APS		
Waste Class. Waste Class		113 ACID WASTE - OT⊦	IER METALS		
Waste Class. Waste Class		213 PETROLEUM DISTI	ILLATES		
Waste Class. Waste Class		253 EMULSIFIED OILS			
Waste Class. Waste Class		145 PAINT/PIGMENT/C	OATING RESIDUES	3	
Waste Class. Waste Class		251 OIL SKIMMINGS & S	SLUDGES		
Waste Class. Waste Class		112 ACID WASTE - HEA	AVY METALS		
Waste Class. Waste Class		146 OTHER SPECIFIED	INORGANICS		
Waste Class. Waste Class		263 ORGANIC LABORA	TORY CHEMICALS		
Waste Class. Waste Class		222 HEAVY FUELS			
Waste Class. Waste Class	-	264 PHOTOPROCESSII	NG WASTES		
Waste Class. Waste Class		312 PATHOLOGICAL W	ASTES		
Waste Class. Waste Class		221 LIGHT FUELS			
Waste Class. Waste Class		211 AROMATIC SOLVE	NTS		
Waste Class. Waste Class		122 ALKALINE WASTES	S - OTHER METALS	3	
Waste Class. Waste Class		212 ALIPHATIC SOLVEI	NTS		
Waste Class. Waste Class		242 HALOGENATED PE	ESTICIDES		
Waste Class. Waste Class		331 WASTE COMPRES	SED GASES		
Waste Class. Waste Class		241 HALOGENATED SC	DLVENTS		

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	Di
Waste Class Waste Class			148 INORGANIC LABC	RATORY CHEM	ICALS	
Waste Class Waste Class			252 WASTE OILS & LU	JBRICANTS		
<u>2</u>	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 Status: Approval Ye Contam. Fac MHSW Facili SIC Code: SIC Descript	ars: :ility: ity:	ON14738 06 541380	389 Testing Laboratorie	es	PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
Detail(s)						
Waste Class Waste Class			114 OTHER INORGAN	IIC ACID WASTE	S	
Waste Class Waste Class			147 CHEMICAL FERTI	LIZER WASTES		
Waste Class Waste Class			148 INORGANIC LABC	ORATORY CHEM	ICALS	
Waste Class Waste Class			312 PATHOLOGICAL V	WASTES		
Waste Class Waste Class			212 ALIPHATIC SOLVI	ENTS		
Waste Class Waste Class			241 HALOGENATED S	OLVENTS		
Waste Class Waste Class			263 ORGANIC LABOR	ATORY CHEMIC	ALS	
<u>2</u>	55 of 125		WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	GEN
Generator No Status:	0:	ON37705	520		PO Box No: Country:	
Approval Ye Contam. Fac MHSW Facili	ility:	06,07,08			Choice of Contact: Co Admin: Phone No Admin:	
SIC Code: SIC Descript	-	621110	Offices of Physicia	ns		
Detail(s)						
Waste Class Waste Class			312 PATHOLOGICAL \	WASTES		
2	56 of 125		WNW/16.4	62.9 / 0.00	Environment Canada National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University	GEN

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	DB
					Ottawa ON	
Generator No Status:		ON1473	889		PO Box No: Country:	
Approval Yea Contam. Faci MHSW Facilit	lity:	2011			Choice of Contact: Co Admin: Phone No Admin:	
SIC Code: SIC Description	on:	541380	Testing Laboratorie	25		
<u>Detail(s)</u>						
Waste Class: Waste Class I			114 OTHER INORGAN	IC ACID WASTE	S	
Waste Class: Waste Class I			263 ORGANIC LABOR	ATORY CHEMIC	ALS	
Waste Class: Waste Class I			312 PATHOLOGICAL V	WASTES		
Waste Class: Waste Class I			241 HALOGENATED S	OLVENTS		
Waste Class: Waste Class I			148 INORGANIC LABC	RATORY CHEM	ICALS	
Waste Class: Waste Class I			242 HALOGENATED P	ESTICIDES		
Waste Class: Waste Class I			252 WASTE OILS & LU	IBRICANTS		
Waste Class: Waste Class I			212 ALIPHATIC SOLVE	ENTS		
Waste Class: Waste Class I			147 CHEMICAL FERTI	LIZER WASTES		
<u>2</u>	57 of 125		WNW/16.4	62.9 / 0.00	Environment Canada CWS NWRC, Carleton University 1125 Colonel By Drive, Raven Rd Ottawa ON K1S 5B6	GEN
Generator No Status:	:	ON1473	889		PO Box No: Country:	
Approval Yea Contam. Faci MHSW Facilit	lity:	07,08			Choice of Contact: Co Admin: Phone No Admin:	
SIC Code: SIC Description	-	541380	Testing Laboratorie	es		
<u>Detail(s)</u>						
Waste Class: Waste Class I			114 OTHER INORGAN	IC ACID WASTE	S	
Waste Class: Waste Class I			147 CHEMICAL FERTI	LIZER WASTES		
Waste Class: Waste Class I			148 INORGANIC LABC	RATORY CHEM	ICALS	

Generator No:       ON8145235       PO Box No:         Status:       Country:       Canada         Approval Years:       2014       Choice of Contact:       CO_OFFICIAL         Contam. Facility:       No       Co Admin:       MHSW Facility:       No         MHSW Facility:       No       Phone No Admin:       Co_OFFICIAL         SIC Code:       621110       OFFICES OF PHYSICIANS       Phone No Admin:         Detail(s)       Vaste Class:       261       PHARMACEUTICALS         Waste Class:       312       PATHOLOGICAL WASTES       Environment Canada	Map Key Number Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Waste Class Desc:       HALOGENATED SOLVENTS         Waste Class Desc:       ORGANIC LABORATORY CHEMICALS         Waste Class Desc:       312 PATHOLOGICAL WASTES         2       58 of 125       WW//6.4       62.9 / 0.00       Sports Medicine Clinic Carleton University 1725 Colonel By Dr Ottawa ON K1SSB6       Get Generator No:       ON8145235       PO Box No: Carleton University 1725 Colonel By Dr Ottawa ON K1SSB6       Get Generator No:       ON8145235       PO Box No: Carleton University 1725 Colonel By Dr Ottawa ON K1SSB6       Get Generator No:       ON8145235       PO Box No: Carleton Contact:       Co_OFFICIAL Contactor Co_OFFICIAL Contactor Colonel By Dr Ottawa ON K1SSB6       Carleton Contact:       Co_OFFICIAL Contactor Colonel By Dr Ottawa ON Admini:       Carleton Contact:       Co_OFFICIAL Contactor Colonel By Dr Contactor Colonel By Dr Contactor Colonel Contact:       Co_OFFICIAL Colonel On Admini:       Countactor Colonel By Dr Countactor Colonel Colonel By Dr, Raven Rd, Carleton University Ottawa OK K1S SB6       Cele Colonel By Dr, Raven Rd, Carleton University Ottawa OK K1S SB6       Cele Colonel By Dr, Raven Rd, Carleton University Ottawa OK K1S SB6       Cele Colonel By Dr, Raven Rd, Carleton University Ottawa OK K1S SB6       Cele Colonel Status: Colonel K1S SB6       Cele Colonel By Dr, Raven Rd, Carleton University Ottawa OK K1S SB6       Cele Colonel Status: Colonel Status: Colonel K1S SB6       Cele Colonel Status: Colonel Status: SC Codes: SC Codese Desc: SC				ENTS			
Waste Class Desc:       ORGANIC LABORATORY CHEMICALS         Waste Class Desc:       312 PATHOLOGICAL WASTES         2       SB of 125       WNW/16.4       62.9 / 0.00       Sports Medicine Clinic Carleton University 1125 Colonel By Dr Ortawa OK K15586       Cellinic Carleton University 1125 Colonel By Dr Ortawa OK K15586       Cellinic Carleton University 1125 Colonel By Dr Ortawa OK K15586       Cellinic Carleton University 1125 Colonel By Dr Ortawa OK K15586       Cellinic Condition of Content:       Cellinic Colory Colory Content:       Cenada Colory Colory Colory Content:       Cenada Colory Colory Colory Colory Colory Content:       Cenada Colory Colory				OLVENTS			
Waste Class Desc:       PATHOLOGICAL WASTES         2       58 of 125       WNW/16.4       62.9 / 0.00       Sports Medicine Clinic Carleton University 1125 Colonel By Dr       GE         Generator No:       ONB145235       PO Box No: Country:       Canada Chines ON K15586       Colonel By Dr       GE         Approval Vears:       2014       Contaw ON K15586       Country:       Canada Chine of Contar:       CO_OFFICIAL Co Admin:       Conada Chine of Contar:       CO_OFFICIAL Co Admin:       Conada Chine of Contar:       CO_OFFICIAL Co Admin:       Conada Chine of Contar:       Co Admin:       Phone No Admin:       Phone No:       Phone No Admin:       Phone No:       Phone No Admin:       Phone No:       Phone No Admin:       Phone No:       Phone No:       Phone No Ad				ATORY CHEMIC	ALS		
-     Carleton University 1125 Colonel By Dr Ottawa 0N K158B6     Generator No: Status: Status: Status: 2014     Contant: Country: Country: Contant: Country: Contant: Contant: Coloce of Contact: Co_OCPFICIAL Contant: SIC Code: SIC Code: SIC Code: SIC Code: Code: SIC Code: SIC SIC SIC SIC SIC				VASTES			
Sintis: Approval Years: 2014 Contam. Facility: No MHSW Facility: No SIC Code: 621110 SIC Code: 51138 SIC Code: 541380 SIC Code: 541	2 58 of 125		WNW/16.4	62.9 / 0.00	Carleton University		GEN
Approval Years:       2014       Choice of Contact:       CO_OFFICIAL         Contam, Facility:       No       CO       Admin:       Phone No Admin:         SIC Description:       0FFICES OF PHYSICIANS       OFFICES OF PHYSICIANS       Phone No Admin:       Sic Description:       Phone No Admin:         SiC Description:       0FFICES OF PHYSICIANS       OFFICES OF PHYSICIANS       Phone No Admin:       Sic Description:       Sic Description:       Phone No Admin:       Sic Description:       Phone No Admin:       Sic Description:       Sic Description: <td></td> <td>ON8145</td> <td>235</td> <td></td> <td></td> <td></td> <td></td>		ON8145	235				
Contam. Facility:       No       Co Admin:       Phone No Admin:         MHSW Facility:       No       Phone No Admin:       Phone No Admin:         SIC Code:       621110       OFFICES OF PHYSICIANS       Phone No Admin:         Detail(S)       Waste Class:       261       Waste Class:       312         Waste Class Desc:       PHARMACEUTICALS       Environment Canada National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 586       Generator No:       ON1473889       PO Box No:       Contart, Raven Rd, Carleton University Ottawa ON K1S 586       Generator No:       ON1473889       PO Box No:       Contart, Raven Rd, Carleton University Ottawa ON K1S 586       Generator No:       ON1473889       PO Box No:       Contart, Raven Rd, Carleton University Ottawa ON K1S 586       Generator No:       Status:       JAN JUN YANG       Phone No Admin:       6139986984 Ext.       St Code:       541380       Fhone No Admin:       6139986984 Ext.       St Code:       541380       St Cass:       212       Waste Class Desc:       PATHOLOGICAL WASTES       Waste Class Desc:       212         Waste Class Desc:       212       Waste Class Desc:       212       Waste Class Desc:       212       Waste Class Desc:       212         Waste Class Desc:       212       Waste Class Desc:       212       Waste Class Desc:		2014					
SIC Code:       621110         SIC Description:       0FFICES OF PHYSICIANS         Detail(S)       Waste Class:         Waste Class:       261         Waste Class:       312         PATHOLOGICAL WASTES       PATHOLOGICAL WASTES         2       59 of 125       WNW/16.4       62.9 / 0.00       Environment Canada National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K15 5B6       Generator No:       ON1473889       PO Box No: Country:       Canada Choice of Contact:       CO       CO         Status:       Approval Years:       2016       Choice of Contact:       CO       CO       Contary:       Canada National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K15 5B6       Generator No:       ON1473889       PO Box No: Country:       Canada Choice of Contact:       CO       CO       Contary:       Canada Choice of Contact:       CO       CO       Country:       Canada National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K15 5B6       Status:       Country:       Canada Choice of Contact:       CO       Country:       Canada Choice of Contact:       CO       Country:       Canada Canada       Country:       Canada Choice of Contact:       CO       Country:       Canada Choice of Contact:       CO       Country:       Canada Canad	Contam. Facility:					_	
Detail(s)         Waste Class:       261         Waste Class:       312         Waste Class:       312         Waste Class:       312         PATHOLOGICAL WASTES       Pathological Wastes         2       59 of 125       WNW16.4       62.9 / 0.00       Environment Canada National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 5B6       Ge         Generator No:       ON1473889       PO Box No: Country:       Canada Colanda         Approval Years:       2016       Conice of Contact: SIGUE:       Cool FICIAL Contant:       COO FICIAL Colandini:       Ge         SIC Code:       541380       Fining LABORATORIES       Phone No Admin:       6139986984 Ext.       SiC Code:         Detail(s)       Waste Class Desc:       ALIPHATIC SOLVENTS       Waste Class Desc:       212         Waste Class Desc:       112       Yaste Class Desc:       252         Waste Class Desc:       252       Waste Class Desc:       263         Waste Class Desc:       CoGeANIC LABORATORY CHEMICALS       Waste Class:         Waste Class:       261       261					Phone No Admin:		
Waste Class:       261         Waste Class:       312         PATHOLOGICAL WASTES         2       59 of 125         WNW/16.4       62.9 / 0.00         Environment Canada National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON KIS 5B6       Ge         Generator No:       ON1473889         Approval Years:       2016         Contam, Facility:       No         No       Country:         Contam, Facility:       No         SIC Code:       541380         SIC Description:       TESTING LABORATORIES         Detail(s)       Waste Class:         Waste Class Desc:       312         Waste Class Desc:       212         Waste Class Desc:       212         Waste Class Desc:       312         Waste Class Desc:       312         Waste Class Desc:       252         Waste Class Desc:       263         Waste Class Desc:       263         Waste Class:       263         Waste Class:       263         Waste Class:       263         Waste Class:       261	SIC Description:		OFFICES OF PHY	SICIANS			
Waste Class Desc:       PHARMACEUTICALS         Waste Class Desc:       312 PATHOLOGICAL WASTES         2       59 of 125       WNW/16.4       62.9 / 0.00       Environment Canada National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K15 5B6       Getter 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K15 5B6       Getter 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K15 5B6       Getter 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K15 5B6       Getter 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K15 5B6       Getter 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K15 5B6       Getter 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K15 5B6       Getter 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K15 5B6       Getter 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K15 5B6       Getter 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K15 5B6       Getter 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K15 5B6       Getter 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K15 5B6       Getter 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K15 5B6       Getter 1125 Colonel Country: Coun	<u>Detail(s)</u>						
Waste Class Desc:       PATHOLOGICAL WASTES         2       59 of 125       WNW/16.4       62.9 / 0.00       Environment Canada National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K15 5B6       GE         Generator No:       ON1473889       PO Box No: Country:       Canada Choice of Contact:       CO_OFFICIAL CO_OFFICIAL Colored       Canada Choice of Contact:       CO_OFFICIAL Co Admin:       GE         MISW Facility:       No       PO Box No: Country:       GE       Ge         Std Los:       2016       Co Admin:       JIAN JUN YANG Phone No Admin:       6139986984 Ext.         MSW Facility:       No       Phone No Admin:       6139986984 Ext.       Se         Detail(s)       Waste Class:       212 Waste Class Desc:       ALIPHATIC SOLVENTS       Se       Se         Waste Class:       252 Waste Class Desc:       YASTE OILS & LUBRICANTS       Waste Class:       263 ORGANIC LABORATORY CHEMICALS         Waste Class:       263 Waste Class:       ORGANIC LABORATORY CHEMICALS       Se       Se         Waste Class:       251       Se       Se       Se				NLS			
Autional Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 5B6     Ge       Generator No:     ON1473889     PO Box No: Country:     Canada       Approval Years:     2016     Country:     Canada       Approval Years:     2016     Choice of Contact:     CO_OFFICIAL       Contam. Facility:     No     Co Admin:     JIAN JUN YANG       MHSW Facility:     No     Co Admin:     6139986984 Ext.       SIC Code:     541380     SIC Description:     TESTING LABORATORIES       Detail(s)     Waste Class:     212       Waste Class:     212       Waste Class:     312       Waste Class:     252       Waste Class:     252       Waste Class:     263       Waste Class:     251				VASTES			
Status: Approval Years:2016 2016Country: Choice of Contact: Co Admin:Canada CD,OFFICIAL JIAN JUN YANG Alan JUN YANG Bhone No Admin:MHSW Facility: No SIC Code:No 541380TESTING LABORATORIESCanada Co Admin:Canada CD, OFFICIAL JIAN JUN YANG Bhone No Admin:Canada CO_OFFICIAL JIAN JUN YANG Bhone No Admin:Canada CO_OFFICIAL JIAN JUN YANG BigestellDetail(s)TESTING LABORATORIESTESTING LABORATORIESSileSileSileSileWaste Class: Waste Class Desc:212 PATHOLOGICAL WASTES312 PATHOLOGICAL WASTESSileSileSileSileWaste Class: Waste Class Desc:252 PATHOLOGICAL WASTESSileSileSileSileSileWaste Class: Waste Class Desc:263 ORGANIC LABORATORY CHEMICALSCanada Choice of Contact:SileSileSileWaste Class: Waste Class:251251SileSileSileSileSileWaste Class: Waste Class:251251SileSileSileSileSileWaste Class: Waste Class:251251SileSileSileSileSileWaste Class: Waste Class:251251SileSileSileSileSileWaste Class:251251251SileSileSileSileSileWaste Class:251251251251SileSileSileSileWaste Class:251251<	2 59 of 125		WNW/16.4	62.9 / 0.00	National Wildlife Res by Dr., Raven Rd, Ca	search Centre 1125 Colonel	GEN
Approval Years:2016Choice of Contact:CO_OFFICIALContam. Facility:NoValueJIAN JUN YANGMHSW Facility:NoPhone No Admin:6139986984 Ext.SIC Code:541380TESTING LABORATORIESDetail(s)Waste Class:212Waste Class:312PATHOLOGICAL WASTESPATHOLOGICAL WASTESWaste Class:252Waste Class:263ORGANIC LABORATORY CHEMICALSWaste Class:263Waste Class:251	Generator No:	ON1473	889		PO Box No:		
Contam. Facility:NoCo Admin:JIAN JUN YANG 6139986984 Ext.MHSW Facility:NoSid Code:541380SIC Code:541380TESTING LABORATORIESDetail(s)TESTING LABORATORIESWaste Class:212 ALIPHATIC SOLVENTSWaste Class:312 PATHOLOGICAL WASTESWaste Class:252 WASTE Class Desc:Waste Class:263 ORGANIC LABORATORY CHEMICALSWaste Class:263 ORGANIC LABORATORY CHEMICALSWaste Class:251	Status:				Country:		
MHSW Facility: No Phone No Admin: 6139986984 Ext.   SIC Code: 541380   SIC Description: TESTING LABORATORIES   Detail(s)   Waste Class: 212   Waste Class: 312   PATHOLOGICAL WASTES   Waste Class: 252   Waste Class: 263   ORGANIC LABORATORY CHEMICALS   Waste Class: 263   ORGANIC LABORATORY CHEMICALS							
SIC Description:       TESTING LABORATORIES         Detail(s)       Image: Sing Laboratories         Waste Class:       212         Waste Class Desc:       ALIPHATIC SOLVENTS         Waste Class:       312         Waste Class:       PATHOLOGICAL WASTES         Waste Class:       252         Waste Class:       252         Waste Class:       263         Waste Class:       263         Waste Class:       263         Waste Class:       251	MHSW Facility:	No					
Waste Class: Waste Class Desc:212 ALIPHATIC SOLVENTSWaste Class: Waste		541380	TESTING LABORA	TORIES			
Waste Class Desc:ALIPHATIC SOLVENTSWaste Class: Waste Class Desc:312 PATHOLOGICAL WASTESWaste Class: Waste Class Desc:252 WASTE OILS & LUBRICANTSWaste Class: Waste Class Desc:263 ORGANIC LABORATORY CHEMICALSWaste Class: Desc:251	<u>Detail(s)</u>						
Waste Class Desc:ALIPHATIC SOLVENTSWaste Class: Waste Class Desc:312 PATHOLOGICAL WASTESWaste Class: Waste Class Desc:252 WASTE OILS & LUBRICANTSWaste Class: Waste Class Desc:263 ORGANIC LABORATORY CHEMICALSWaste Class: Desc:251	Waste Class		212				
Waste Class Desc:       PATHOLOGICAL WASTES         Waste Class:       252         Waste Class Desc:       WASTE OILS & LUBRICANTS         Waste Class Desc:       263         ORGANIC LABORATORY CHEMICALS       ORGANIC LABORATORY CHEMICALS         Waste Class:       251				ENTS			
Waste Class Desc:     WASTE OILS & LUBRICANTS       Waste Class:     263       Waste Class Desc:     ORGANIC LABORATORY CHEMICALS       Waste Class:     251				VASTES			
Waste Class Desc:       ORGANIC LABORATORY CHEMICALS         Waste Class:       251				IBRICANTS			
				ATORY CHEMIC	ALS		
				SLUDGES			
Waste Class: 269	Waste Class:		269				

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Мар Кеу	Numbei Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Waste Class	Desc:		NON-HALOGENA	TED PESTICIDES	3		
Waste Class. Waste Class	-		242 HALOGENATED	PESTICIDES			
Waste Class. Waste Class			147 CHEMICAL FERT	ILIZER WASTES			
Waste Class. Waste Class	-		114 OTHER INORGAI	NIC ACID WASTES	6		
Waste Class. Waste Class	-		241 HALOGENATED	SOLVENTS			
Waste Class. Waste Class			148 INORGANIC LAB	ORATORY CHEM	ICALS		
Waste Class. Waste Class			331 WASTE COMPRE	ESSED GASES			
Waste Class. Waste Class			123 ALKALINE PHOS	PHATES			
<u>2</u>	60 of 125		WNW/16.4	62.9 / 0.00	Environment Canad National Wildlife Re by Dr., Raven Rd, Ca Ottawa ON K1S 5B6	search Centre 1125 Colonel arleton University	GEN
	Generator No:ON1473889Status:2014Approval Years:2014Contam. Facility:NoMHSW Facility:NoSIC Code:541380		889		PO Box No:		
Approval Yea Contam. Fac MHSW Facili SIC Code:					Country: Choice of Contact: Co Admin: Phone No Admin:	Canada CO_OFFICIAL	
SIC Descript	ion:		TESTING LABOR	ATORIES			
<u>Detail(s)</u>							
Waste Class. Waste Class			123 ALKALINE PHOS	PHATES			
Waste Class. Waste Class			252 WASTE OILS & L	UBRICANTS			
Waste Class. Waste Class			312 PATHOLOGICAL	WASTES			
Waste Class. Waste Class			148 INORGANIC LAB	ORATORY CHEM	ICALS		
Waste Class. Waste Class			212 ALIPHATIC SOLV	'ENTS			
Waste Class. Waste Class			242 HALOGENATED	PESTICIDES			
Waste Class. Waste Class			263 ORGANIC LABOF	RATORY CHEMIC	ALS		
Waste Class. Waste Class			269 NON-HALOGENA	TED PESTICIDES	3		
Waste Class	:		114 OTHER INORGAI				

Мар Кеу	Number Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Waste Clas Waste Clas			147 CHEMICAL FERTII	LIZER WASTES			
Waste Clas Waste Clas			241 HALOGENATED S	OLVENTS			
Waste Clas Waste Clas			251 OIL SKIMMINGS &	SLUDGES			
Waste Clas Waste Clas			331 WASTE COMPRES	SSED GASES			
2	61 of 125		WNW/16.4	62.9 / 0.00	Environment Canada National Wildlife Res by Dr., Raven Rd, Ca Ottawa ON K1S 5B6	search Centre 1125 Colonel	GEN
Generator / Status: Approval Y Contam. Fa MHSW Fac SIC Code: SIC Descrij	'ears: acility: ility:	ON1473 2015 No No 541380	889 TESTING LABORA	TORIES	PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	Canada CO_OFFICIAL	
Detail(s)	uum i						
Waste Clas Waste Clas			114 OTHER INORGAN	IC ACID WASTES	3		
Waste Clas Waste Clas			263 ORGANIC LABORA	ATORY CHEMIC	ALS		
Waste Clas Waste Clas			269 NON-HALOGENAT	ED PESTICIDES	3		
Waste Clas Waste Clas			212 ALIPHATIC SOLVE	ENTS			
Waste Clas Waste Clas			252 WASTE OILS & LU	BRICANTS			
Waste Clas Waste Clas			147 CHEMICAL FERTII	LIZER WASTES			
Waste Clas Waste Clas			331 WASTE COMPRES	SSED GASES			
Waste Clas Waste Clas			241 HALOGENATED S	OLVENTS			
Waste Clas Waste Clas			123 ALKALINE PHOSP	HATES			
Waste Clas Waste Clas			148 INORGANIC LABO	RATORY CHEMI	CALS		
Waste Clas Waste Clas			242 HALOGENATED P	ESTICIDES			
Waste Clas	s: s Desc:		312 PATHOLOGICAL V				

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	DE
Waste Class Waste Class			251 OIL SKIMMINGS a	& SLUDGES		
<u>2</u>	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 N Status: Approval Ye	ears:	ON1473 2013	889		PO Box No: Country: Choice of Contact:	
Contam. Fac MHSW Facil SIC Code: SIC Descript	lity:	541380	TESTING LABOR	ATORIES	Co Admin: Phone No Admin:	
<u>Detail(s)</u>						
Waste Class Waste Class			241 HALOGENATED S	SOLVENTS		
Waste Class Waste Class			263 ORGANIC LABOF	RATORY CHEMIC	ALS	
Waste Class Waste Class			242 HALOGENATED F	PESTICIDES		
Waste Class Waste Class			269 NON-HALOGENA	TED PESTICIDES	5	
Waste Class Waste Class			312 PATHOLOGICAL	WASTES		
Waste Class Waste Class			123 ALKALINE PHOSI	PHATES		
Waste Class Waste Class			252 WASTE OILS & LI	UBRICANTS		
Waste Class Waste Class			148 INORGANIC LABO	ORATORY CHEM	ICALS	
Waste Class Waste Class			251 OIL SKIMMINGS 8	& SLUDGES		
Waste Class Waste Class			114 OTHER INORGAN	NIC ACID WASTE	S	
Waste Class Waste Class			147 CHEMICAL FERT	ILIZER WASTES		
Waste Class Waste Class			212 ALIPHATIC SOLV	ENTS		
<u>2</u>	63 of 125		WNW/16.4	62.9 / 0.00	Sports Medicine Clinic Carleton University 1125 Colonel By Dr Ottawa ON	GEN
Generator N Status: Approval Ye Contam. Fac MHSW Facil	ears: cility:	ON8145	235		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	

	nber of ords	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Code: SIC Description:	621110	OFFICES OF PHY	SICIANS		
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		261 PHARMACEUTIC/	ALS		
Waste Class: Waste Class Desc:		312 PATHOLOGICAL	WASTES		
2 64 of	125	WNW/16.4	62.9 / 0.00	Sports Medicine Clinic Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6	GEN
Generator No: Status:	ON8145	235		PO Box No: Country:	
Approval Years: Contam. Facility:	2011			Choice of Contact: Co Admin:	
MHSW Facility: SIC Code:	621110			Phone No Admin:	
SIC Description:		Offices of Physicia	ns		
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		312 PATHOLOGICAL	WASTES		
Waste Class: Waste Class Desc:		261 PHARMACEUTIC/	ALS		
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:	ON1473	889		PO Box No:	
Status: Approval Years: Contam. Facility:	2012			Country: Choice of Contact: Co Admin:	
MHSW Facility: SIC Code: SIC Description:	541380	Testing Laboratorie	es	Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		212 ALIPHATIC SOLV	ENTS		
Waste Class: Waste Class Desc:		148 INORGANIC LABO	DRATORY CHEM	ICALS	
Waste Class: Waste Class Desc:		263 ORGANIC LABOR	ATORY CHEMIC	ALS	
Waste Class: Waste Class Desc:		252 WASTE OILS & LU	JBRICANTS		
Waste Class: Waste Class Desc:		242 HALOGENATED F	PESTICIDES		
Waste Class:		147			

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Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Waste Class	Desc:		CHEMICAL FERTI	LIZER WASTES			
Waste Class: Waste Class I			312 PATHOLOGICAL V	VASTES			
Waste Class: Waste Class I			114 OTHER INORGAN	IC ACID WASTES			
Waste Class: Waste Class I			241 HALOGENATED S	OLVENTS			
<u>2</u>	66 of 125		WNW/16.4	62.9 / 0.00	Alinea Dental 1125 Colonel By Dr Ottawa ON K1S5R1	Suite 2100	GEN
Generator No Status: Approval Yea Contam. Faci MHSW Facilit SIC Code: SIC Descripti	nrs: lity: 'y:	ON33682 2016 No 621210	0FFICES OF DEN	TISTS	PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	Canada CO_OFFICIAL Christian Ramos 6135213368 Ext.	
<u>Detail(s)</u>							
Waste Class: Waste Class			312 PATHOLOGICAL V	VASTES			
<u>2</u>	67 of 125		WNW/16.4	62.9 / 0.00	Environment Canad NWRC, Carleton Un Raven Rd Building 3 Ottawa ON	iversity 1125 Colonelby Dr /	GEN
Generator No		ON14738	389		PO Box No:		
Status: Approval Yea Contam. Faci MHSW Facilit SIC Code: SIC Description	lity: 'y:	03,04,05 541380	Testing Laboratorie	20	Country: Choice of Contact: Co Admin: Phone No Admin:		
Sic Description	011.			50			
<u>Detail(s)</u>							
Waste Class: Waste Class I	Desc:		114 OTHER INORGAN	IC ACID WASTES			
Waste Class: Waste Class I			147 CHEMICAL FERTI	LIZER WASTES			
Waste Class: Waste Class I	Desc:		148 INORGANIC LABC	RATORY CHEMIC	ALS		
Waste Class: Waste Class I			212 ALIPHATIC SOLVE	ENTS			
Waste Class: Waste Class I			241 HALOGENATED S	OLVENTS			
Waste Class: Waste Class I			263 ORGANIC LABOR	ATORY CHEMICAL	S		
Waste Class: Waste Class I			312 PATHOLOGICAL V	VASTES			

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Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>2</u>	68 of 125		WNW/16.4	62.9 / 0.00	Sports Medicine Clinic Carleton University 1125 Colonel By Dr Ottawa ON K1S5B6	GEN
Generator N Status: Approval Ye Contam. Fac MHSW Facil SIC Code: SIC Descript	ears: cility: lity:	ON81452 2016 No No 621110	OFFICES OF PH	YSICIANS	PO Box No: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Phone No Admin:	
<u>Detail(s)</u>						
Waste Class Waste Class			312 PATHOLOGICAL	WASTES		
Waste Class Waste Class			261 PHARMACEUTIC	ALS		
2	69 of 125		WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA ON	GEN
Generator No:		ON00512	100		PO Box No:	
Status: Approval Ye Contam. Fac		2012			Country: Choice of Contact: Co Admin:	
MHSW Facil SIC Code:	lity:	611310			Phone No Admin:	
SIC Descrip	tion:		Universities			
<u>Detail(s)</u>						
Waste Class Waste Class			312 PATHOLOGICAL	WASTES		
Waste Class Waste Class			146 OTHER SPECIFI	ED INORGANICS		
Waste Class Waste Class			112 ACID WASTE - H	EAVY METALS		
Waste Class Waste Class			242 HALOGENATED	PESTICIDES		
Waste Class Waste Class			269 NON-HALOGENA	TED PESTICIDES	5	
Waste Class Waste Class			212 ALIPHATIC SOLV	/ENTS		
Waste Class Waste Class			122 ALKALINE WAST	ES - OTHER MET	ALS	
Waste Class Waste Class			213 PETROLEUM DIS	STILLATES		
Waste Class Waste Class			253 EMULSIFIED OIL	S		
Waste Class	5:		262			

Weste Class Desc: DETERGENTS/SOAPS Waste Class Desc: 24 Waste Class Desc: 25 Waste Class Desc: 25 Waste Class Desc: 27 Waste Class Desc: 221 Waste Class Desc: 221 Waste Class Desc: 221 Waste Class Desc: 221 Waste Class Desc: 222 Waste Class Desc: 222 Waste Class Desc: 222 Waste Class Desc: 222 Waste Class Desc: 223 Waste Class Desc: 224 Waste Class Desc: 224 Waste Class Desc: 225 Waste Class Desc: 227 Waste Class Desc: 227 Waste Class Desc: 227 Waste Class Desc: 227 Waste Class Desc: 251 Waste Class Desc: 251 Waste Class Desc: 251 Waste Class Desc: 241 Waste Class Desc: 243 Waste Class Desc: 241 Waste Class Desc: 243 Waste Class Desc: 244 Waste Class D	Мар Кеу	Number Record			Site	DB
Waste Class Dese:       PHOTOPROCESSING WASTES         Waste Class Dese:       252         Waste Class Dese:       263         Waste Class Dese:       263         Waste Class Dese:       271         Waste Class Dese:       221         Waste Class Dese:       221         Waste Class Dese:       21         Waste Class Dese:       21         Waste Class Dese:       221         Waste Class Dese:       211         Waste Class Dese:       241         Waste Class Dese:       241         Waste Class Dese:       241         Waste Class Dese:       242         Waste Class Dese:       243         Waste Class Dese:       243         Waste Clas	Waste Class	Desc:	DETERGENTS	S/SOAPS		
Waste Class Dese:       PHOTOPROCESSING WASTES         Waste Class Dese:       252         Waste Class Dese:       263         Waste Class Dese:       263         Waste Class Dese:       271         Waste Class Dese:       221         Waste Class Dese:       221         Waste Class Dese:       21         Waste Class Dese:       21         Waste Class Dese:       221         Waste Class Dese:       211         Waste Class Dese:       241         Waste Class Dese:       241         Waste Class Dese:       241         Waste Class Dese:       242         Waste Class Dese:       243         Waste Class Dese:       243         Waste Clas	Waste Class		264			
Weste Class Desc:       283         Weste Class Desc:       263         Weste Class Desc:       21         Weste Class Desc:       21         Under Type Las       113         Weste Class Desc:       221         Weste Class Desc:       221         Under Type Las       113         Weste Class Desc:       222         Weste Class Desc:       222         Weste Class Desc:       221         Weste Class Desc:       221         Weste Class Desc:       221         Weste Class Desc:       221         Weste Class Desc:       251         Weste Class Desc:       231         Weste Class Desc:       231         Weste Class Desc:       211         Weste Class Desc:       212         Weste Class Desc:       221         Weste Class Desc:       22				ESSING WASTES		
Weste Class Desc:       283         Weste Class Desc:       263         Weste Class Desc:       21         Weste Class Desc:       21         Under Type Las       113         Weste Class Desc:       221         Weste Class Desc:       221         Under Type Las       113         Weste Class Desc:       222         Weste Class Desc:       222         Weste Class Desc:       221         Weste Class Desc:       221         Weste Class Desc:       221         Weste Class Desc:       221         Weste Class Desc:       251         Weste Class Desc:       231         Weste Class Desc:       231         Weste Class Desc:       211         Weste Class Desc:       212         Weste Class Desc:       221         Weste Class Desc:       22	Waste Class		252			
Waste Class Class Desc: 21   Waste Class Desc: 113   Waste Class Desc: 113   Waste Class Desc: 113   Waste Class Desc: 122   Waste Class Desc: 222   Waste Class Desc: 21   Waste Class Desc: 24   Waste Class Des				& LUBRICANTS		
Waste Class Class Desc: 21   Waste Class Desc: 113   Waste Class Desc: 113   Waste Class Desc: 113   Waste Class Desc: 122   Waste Class Desc: 222   Waste Class Desc: 21   Waste Class Desc: 24   Waste Class Des	Waste Class		263			
Waste Class Desc: LIGHT FUELS   Waste Class Desc: 13   ACD WASTE - OTHER METALS   Waste Class Desc: 222   Waste Class Desc: 222   Waste Class Desc: 21   Waste Class Desc: 12   Waste Class Desc: 12   Waste Class Desc: 14   Waste Class Desc: 243   Waste Class Desc: 243   Waste Class Desc: 243   Waste Class Desc: 14   Class Desc: 243   Waste Class Desc: 2000   Environment Canada Ecotoxicology and Wildlife Research Centra 1125 Colon				BORATORY CHEMI	CALS	
Waste Class Desc: LIGHT FUELS   Waste Class Desc: 13   ACD WASTE - OTHER METALS   Waste Class Desc: 222   Waste Class Desc: 222   Waste Class Desc: 21   Waste Class Desc: 12   Waste Class Desc: 12   Waste Class Desc: 14   Waste Class Desc: 243   Waste Class Desc: 243   Waste Class Desc: 243   Waste Class Desc: 14   Class Desc: 243   Waste Class Desc: 2000   Environment Canada Ecotoxicology and Wildlife Research Centra 1125 Colon	Waste Class	:	221			
Waste Class ACID WASTE - OTHER METALS   Waste Class 222   Waste Class 251   Waste Class 251   Waste Class 251   Waste Class 241   HALVG RUNRESSED GASES 241   Waste Class 211   Waste Class 212   Waste Class 114   INORGANIC SOLVENTS   Waste Class 114   Waste Class 221   Waste Class 221   Waste Class 223   Waste Class 243   Waste Class Class Desce:   Waste Class <td< td=""><td>Waste Class</td><td>Desc:</td><td>LIGHT FUELS</td><td></td><td></td><td></td></td<>	Waste Class	Desc:	LIGHT FUELS			
Waste Class:       222         Waste Class:       251         Waste Class:       0L SKIMMINGS & SLUDGES         Waste Class:       311         Waste Class:       241         Waste Class:       243         Waste Class Dese:       243         Waste Class Dese:       243         Waste Class Dese:       240	Waste Class	:	113			
Waste Class HEAVY FUELS   Waste Class 251   Waste Class 261   Waste Class 331   Waste Class 241   Waste Class 243   Waste Class Desc: 2   PCBS 243   Waste Class 261   Waste	Waste Class	Desc:	ACID WASTE	- OTHER METALS		
Waste Class HEAVY FUELS   Waste Class 251   Waste Class 261   Waste Class 331   Waste Class 241   Waste Class 243   Waste Class Desc: 2   PCBS 243   Waste Class 261   Waste	Waste Class	:	222			
Waste Class OIL SKIMMINGS & SLUDGES   Waste Class: 331   Waste Class: 241   Waste Class Desc: 241   Waste Class: 211   Waste Class: 212   Waste Class: 213   Waste Class: 214   Waste Class: 243   PCBS PCBS <b>2</b> 70 of 125  WNW/16.4    62.9 / 0.00 Environment Canada Ecotoxicology and Widliffe Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K15 588   Senerator No: ON1473889   Registered As of Dec 2018   Status: As of Dec 2018   Status: Status:   Registerion: Contart:   Status: Contart:   Status: Status:   Waste Class: 114 C   Other inorganic acid wastes			HEAVY FUELS	6		
Waste Class:       331         Waste Class:       241         Waste Class:       241         Waste Class:       211         Waste Class Desc:       ALACGENATED SOLVENTS         Waste Class Desc:       AROMATIC SOLVENTS         Waste Class:       211         Waste Class Desc:       AROMATIC SOLVENTS         Waste Class Desc:       AROMATIC SOLVENTS         Waste Class Desc:       AROMATIC SOLVENTS         Waste Class Desc:       145         Waste Class Desc:       121         Waste Class Desc:       143         Waste Class Desc:       143         Waste Class Desc:       148         Waste Class Desc:       148         Waste Class Desc:       148         Waste Class Desc:       1000GANIC LABORATORY CHEMICALS         Waste Class Desc:       203         Vaste Class Desc:       203         Vaste Class Desc:       2043         Waste Class Desc:       205         Z       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 Status       Canada         Status:       As of Dec 2018       Choice of Co	Waste Class	:	251			
Waste Class       Waste Class       241         Waste Class       211         Waste Class       214         Waste Class       214         Waste Class       214         Waste Class       2121         Waste Class       211         Waste Class       2121         Waste Class       213         Waste Class       2143         Waste Class       213         Waste Class       2143         Waste Class       210       211         Waste Class       211       213       213         Waste Class       214       214 <th219< th="">       210      &lt;</th219<>	Waste Class	Desc:	OIL SKIMMING	GS & SLUDGES		
Waste Class: 241 Waste Class Desc: 211 Waste Class Desc: 211 Waste Class Desc: 7000000000000000000000000000000000000	Waste Class	:	331			
Waste Class       HALOGENATED SOLVENTS         Waste Class       211         Waste Class       AROMATIC SOLVENTS         Waste Class       145         Waste Class       PAINT/PIGMENT/COATING RESIDUES         Waste Class Desc:       121         Waste Class Desc:       121         Waste Class Desc:       148         Waste Class Desc:       243         PCBS       PCBS         Image: Class Desc:       243         Waste Class Desc:       243         Waste Class Desc:       243         Waste Class Desc:       243         Imag	Waste Class	Desc:	WASTE COMF	PRESSED GASES		
Waste Class:       211         Waste Class Desc:       AROMATIC SOLVENTS         Waste Class Desc:       145         Waste Class Desc:       PAINT/PIGMENT/COATING RESIDUES         Waste Class Desc:       121         Waste Class Desc:       ALKALINE WASTES - HEAVY METALS         Waste Class Desc:       148         Waste Class Desc:       243         Waste Class Desc:       24			241			
Waste Class Desc:       AROMATIC SOLVENTS         Waste Class:       145 PAINT/PIGMENT/COATING RESIDUES         Waste Class Desc:       121 ALKALINE WASTES - HEAVY METALS         Waste Class:       148 INORGANIC LABORATORY CHEMICALS         Waste Class:       243 PCBS         2       70 of 125         WNW/16.4       62.9 / 0.00         Environment Canada Ecotoxicology and Wildlife Meath Division National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K15 5B6         Senerator No:       ON1473889 Registered As of Dec 2018         Status:       ON1473889 Registered As of Dec 2018         Status:       As of Dec 2018 Status:         Detail(ty: Waste Class:       114 C Other inorganic acid wastes	Waste Class	Desc:	HALOGENATE	ED SOLVENTS		
Waste Class:       145         Waste Class Desc:       PAINT/PIGMENT/COATING RESIDUES         Waste Class:       121         Waste Class Desc:       ALKALINE WASTES - HEAVY METALS         Waste Class Desc:       148         Waste Class Desc:       243         Waste Class Desc:       PCBS         2       70 of 125       WNW/16.4       62.9 / 0.00       Environment Canada Ecotoxicology and Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ontawa ON K15 SB6       GEN         Generator No:       ON1473889       PO Box No:       Country :       Canada         Approval Years:       As of Dec 2018       Country :       Canada       Cohe Admin:         SIC Code:       SIC Code:       Yhone No Admin:       Phone No Admin:       Phone No Admin:         SIC Code:       SIC Desc:       114 C       Other inorganic acid wastes       Uther inorganic acid wastes						
Waste Class Desc:       PAINT/PIGMENT/COATING RESIDUES         Waste Class:       121 ALKALINE WASTES - HEAVY METALS         Waste Class:       148 Waste Class Desc:       148 INORGANIC LABORATORY CHEMICALS         Waste Class:       243 Waste Class Desc:       243 PCBS         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 Registered Approval Years: SIC Lode:       ON1473889 Registered As of Dec 2018       PO Box No: Country: HSW Facility: MHSW Facility: SIC Description:       Canada Phone No Admin: Phone No Admin:         Detail(s)       Waste Class:       114 C Other inorganic acid wastes       Country in the inorganic acid wastes       Country in the inorganic acid wastes	Waste Class	Desc:	AROMATIC SC	DLVENTS		
Waste Class:       121 Waste Class Desc:       121 ALKALINE WASTES - HEAVY METALS         Waste Class Desc:       148 Waste Class Desc:       148 Waste Class Desc:         Waste Class:       243 Waste Class Desc:       PCBS         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 Registered As of Dec 2018       PO Box No: Country:       Canada Colone of Contact: Co Admin: Phone No Admin:       Canada         MSW Facility:       As of Dec 2018       Country:       Canada         SIC Code:       SIC Description:       114 C Other inorganic acid wastes       Vita States						
Waste Class Desc:       ALKALINE WASTES - HEAVY METALS         Waste Class:       148 INORGANIC LABORATORY CHEMICALS         Waste Class:       243 Waste Class Desc:         PCBS         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         Generator No:       ON1473889 Registered Approval Years:         As of Dec 2018       Country: As of Dec 2018         Code: SIC Code:       Description:         Petail(s)       Waste Class:         Waste Class:       114 C Other inorganic acid wastes	waste class	Desc:	FAINT/FIGHE	NT/COATING RESI	DUES	
Waste Class Desc:       INORGANIC LABORATORY CHEMICALS         Waste Class:       243 PCBS         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 Registered As of Dec 2018       PO Box No: Country:       Canada Choice of Contact: Co Admin: Phone No Admin:       Canada         Detail(s)       Waste Class:       114 C Other inorganic acid wastes       114 C				STES - HEAVY ME	TALS	
Waste Class Desc:       INORGANIC LABORATORY CHEMICALS         Waste Class:       243 PCBS         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 Registered As of Dec 2018       PO Box No: Country:       Canada Choice of Contact: Co Admin: Phone No Admin:       Canada         Detail(s)       Waste Class:       114 C Other inorganic acid wastes       114 C	Waata Class		149			
Waste Class Desc:       PCBS         2       70 of 125       WNW/16.4       62.9 / 0.00       Environment Canada Ecotoxicology and Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 5B6       GEN         Generator No:       ON1473889       Registered       As of Dec 2018       Country:       Canada         Approval Years:       As of Dec 2018       Country:       Canada         Sit Cobe:       SiC Cobe:       114 C         Waste Class:       114 C         Waste Class:       114 C         Other inorganic acid wastes       Other inorganic acid wastes				ABORATORY CHE	MICALS	
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       PO Box No: Country:       Canada         Approval Years:       As of Dec 2018       Country:       Canada         MHSW Facility:       SiC Code: SIC Description:       Phone No Admin:         Detail(s)       Waste Class:       114 C Other inorganic acid wastes						
Heath Division       Heath Division       National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 5B6         Generator No:       ON1473889       PO Box No:         Status:       Registered       Country:       Canada         Approval Years:       As of Dec 2018       Choice of Contact:         Contam. Facility:       Co Admin:       Phone No Admin:         MHSW Facility:       SiC Code:       SiC Description:         Detail(s)       114 C         Waste Class:       114 C         Waste Class Desc:       Other inorganic acid wastes	Waste Class	Dest.	1000			
Status:       Registered       Country:       Canada         Approval Years:       As of Dec 2018       Choice of Contact:         Contam. Facility:       Co Admin:         MHSW Facility:       Phone No Admin:         SIC Code:       SIC Description:         Detail(s)       114 C         Waste Class:       114 C         Other inorganic acid wastes	2	70 of 125	WNW/16.4	62.9 / 0.00	Heath Division National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University	GEN
Approval Years: As of Dec 2018 Choice of Contact:   Contam. Facility: Co Admin:   MHSW Facility: Phone No Admin:   SIC Code: SIC Description:     Detail(s)   Waste Class: 114 C   Waste Class Desc: Other inorganic acid wastes		o:				
Contam. Facility: MHSW Facility: SIC Code: SIC Description: Detail(s) Waste Class: Waste Class Desc: Dther inorganic acid wastes		oroi				
Waste Class:       114 C         Waste Class Desc:       Other inorganic acid wastes	Contam. Fac MHSW Facili SIC Code:	ility: ity:	AS OF Dec 2016		Co Admin:	
Waste Class Desc: Other inorganic acid wastes	<u>Detail(s)</u>					
				c acid wastes		
waste class: 148 C			-			
	waste Class	•	148 C			

Map Key	Number Record		Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class	Desc:		Misc. wastes and in	organic chemical	S	
Waste Class. Waste Class			212 I Aliphatic solvents a	nd residues		
Waste Class. Waste Class			241 H Halogenated solver	nts and residues		
Waste Class. Waste Class			242 A Halogenated pestic	ides and herbicid	es	
Waste Class. Waste Class			252 L Waste crankcase oi	ils and lubricants		
Waste Class. Waste Class			263 B Misc. waste organic	chemicals		
Waste Class. Waste Class			263 C Misc. waste organic	chemicals		
Waste Class. Waste Class			263 I Misc. waste organic	chemicals		
Waste Class. Waste Class			263 L Misc. waste organic	chemicals		
Waste Class. Waste Class			269 I Organic non-haloge	enated pesticide a	and herbicide wastes	
Waste Class. Waste Class			269 L Organic non-haloge	enated pesticide a	and herbicide wastes	
Waste Class. Waste Class			269 T Organic non-haloge	enated pesticide a	and herbicide wastes	
Waste Class. Waste Class			312 P Pathological wastes	3		
<u>2</u>	71 of 125		WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	GEN
Generator No	o:	ON3770	520		PO Box No:	
Status: Approval Yea Contam. Fac MHSW Facili	ility:	2012			Country: Choice of Contact: Co Admin: Phone No Admin:	
SIC Code: SIC Descript	-	621110	Offices of Physician	IS	Phone No Admini	
<u>Detail(s)</u>						
Waste Class. Waste Class			312 PATHOLOGICAL W	VASTES		
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	o:	ON1473	889		PO Box No:	
Status: Approval Yea	ars:	2010			Country: Choice of Contact:	
_/	erisinfo.co	om   Envir	ronmental Risk Info	ormation Service	es Order No: 20	0190920010

Order No: 20190920010

Map Key	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	D
Contam. Fac MHSW Facil SIC Code: SIC Descript	ity:	541380	Testing Laboratorie	95	Co Admin: Phone No Admin:	
<u>Detail(s)</u>						
Waste Class Waste Class	-		241 HALOGENATED S	OLVENTS		
Waste Class Waste Class			212 ALIPHATIC SOLVE	ENTS		
Waste Class Waste Class			242 HALOGENATED P	ESTICIDES		
Waste Class Waste Class			114 OTHER INORGAN	IC ACID WASTES	3	
Naste Class Naste Class			312 PATHOLOGICAL V	VASTES		
Waste Class Waste Class			147 CHEMICAL FERTII	LIZER WASTES		
Waste Class Waste Class			148 INORGANIC LABO	RATORY CHEMI	CALS	
Waste Class Waste Class			263 ORGANIC LABOR/	ATORY CHEMICA	ALS	
Waste Class Waste Class			252 WASTE OILS & LU	IBRICANTS		
<u>2</u>	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	GEI
Generator N Status:	o:	ON1473	889		PO Box No: Country:	
Approval Ye Contam. Fac	cility:	2009			Choice of Contact: Co Admin:	
MHSW Facil SIC Code: SIC Descript	-	541380	Testing Laboratorie	25	Phone No Admin:	
Detail(s)						
Waste Class Waste Class			114 OTHER INORGAN	IC ACID WASTES	3	
Naste Class Naste Class			147 CHEMICAL FERTII	LIZER WASTES		
Waste Class Waste Class			148 INORGANIC LABO	RATORY CHEMI	CALS	
			212			
Waste Class Waste Class			ALIPHATIC SOLVE	ENTS		

Map Key	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Waste Class: Waste Class I			263 ORGANIC LABOR	ATORY CHEMIC	ALS		
Waste Class: Waste Class I			312 PATHOLOGICAL V	VASTES			
<u>2</u>	74 of 125		WNW/16.4	62.9 / 0.00	CARLETON UNIVER 1125 COLONEL BY OTTAWA ON K1S 5	DRIVE	GEN
Generator No Status: Approval Yea Contam. Faci MHSW Facilit SIC Code: SIC Descriptio	nrs: lity: 'y:	ON0051 2016 No 611310	100 UNIVERSITIES		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	Canada CO_OFFICIAL Tina Preseau 613-520-2600 Ext.3809	
<u>Detail(s)</u>							
Waste Class: Waste Class			264 PHOTOPROCESS	ING WASTES			
Waste Class: Waste Class I			113 ACID WASTE - OT	HER METALS			
Waste Class: Waste Class I			252 WASTE OILS & LU	IBRICANTS			
Waste Class: Waste Class I			263 ORGANIC LABOR/	ATORY CHEMIC	ALS		
Waste Class: Waste Class I			112 ACID WASTE - HE	AVY METALS			
Waste Class: Waste Class I			146 OTHER SPECIFIEI	D INORGANICS			
Waste Class: Waste Class I			148 INORGANIC LABO	RATORY CHEM	ICALS		
Waste Class: Waste Class I			269 NON-HALOGENAT	ED PESTICIDES	5		
Waste Class: Waste Class I			312 PATHOLOGICAL V	VASTES			
Waste Class: Waste Class I			331 WASTE COMPRES	SSED GASES			
Waste Class: Waste Class I			121 ALKALINE WASTE	S - HEAVY MET	ALS		
Waste Class: Waste Class I			221 LIGHT FUELS				
Waste Class: Waste Class I			145 PAINT/PIGMENT/C	COATING RESID	UES		
Waste Class: Waste Class I			261 PHARMACEUTICA	ALS			
Waste Class:			213				

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Clas	s Desc:		PETROLEUM DIST	TILLATES		
Waste Clas	e'		212			
Waste Clas			ALIPHATIC SOLVE	INTS		
Waste Clas	e'		241			
Waste Clas			HALOGENATED S	OLVENTS		
W			242			
Waste Clas Waste Clas			243 PCBS			
Waste Clas Waste Clas			211 AROMATIC SOLVE			
waste clas	s Desc:		AROMATIC SOLVE			
Waste Clas			122			
Waste Clas	s Desc:		ALKALINE WASTE	S - OTHER MET	ALS	
Waste Clas	s:		242			
Waste Clas			HALOGENATED P	ESTICIDES		
Waste Clas			222			
Waste Clas Waste Clas			232 POLYMERIC RESI	NS		
Waste Clas			262	4.00		
Waste Clas	s Desc:		DETERGENTS/SO	AP5		
Waste Clas			222			
Waste Clas	s Desc:		HEAVY FUELS			
Waste Clas	s:		253			
Waste Clas	s Desc:		EMULSIFIED OILS			
Waste Clas Waste Clas			251 OIL SKIMMINGS &	SLUDGES		
2	75 of 125		WNW/16.4	62.9 / 0.00	Sports Medicine Clinic Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6	GEN
0	1	010145	005		PO Bay May	
Generator I Status:	vo:	ON8145	235		PO Box No: Country:	
Approval Y	ears:	2010			Choice of Contact:	
Contam. Fa	cility:				Co Admin: Bhana Na Admini	
MHSW Faci SIC Code:	iity:	621110			Phone No Admin:	
SIC Descrip	otion:		Offices of Physiciar	าร		
<u>Detail(s)</u>						
Waste Clas			261			
Waste Clas	s Desc:		PHARMACEUTICA	110		
Waste Clas Waste Clas			312 PATHOLOGICAL V	VASTES		
<u>2</u>	76 of 125		WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	GEN
Generator I	No:	ON3770	520		PO Box No:	
Status: Approval Y Contam. Fa		2010			Country: Choice of Contact: Co Admin:	

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	DB
MHSW Facilit SIC Code: SIC Descripti	-	621110	Offices of Physicia	ans	Phone No Admin:	
<u>Detail(s)</u>						
Waste Class: Waste Class			312 PATHOLOGICAL	WASTES		
<u>2</u>	77 of 125		WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA ON	GEN
Generator No Status:	):	ON0051	100		PO Box No: Country:	
Approval Yea Contam. Faci	lity:	2010			Choice of Contact: Co Admin:	
MHSW Facilit SIC Code: SIC Descripti	-	611310	Universities		Phone No Admin:	
<u>Detail(s)</u>						
Waste Class: Waste Class			242 HALOGENATED	PESTICIDES		
Waste Class: Waste Class			221 LIGHT FUELS			
Waste Class: Waste Class			269 NON-HALOGENA	TED PESTICIDE	S	
Waste Class: Waste Class			122 ALKALINE WAST	ES - OTHER MET	ALS	
Waste Class: Waste Class			211 AROMATIC SOL\	/ENTS		
Waste Class: Waste Class			113 ACID WASTE - O	THER METALS		
Waste Class: Waste Class			213 PETROLEUM DIS	STILLATES		
Waste Class: Waste Class			331 WASTE COMPRE	ESSED GASES		
Waste Class: Waste Class			262 DETERGENTS/S	OAPS		
Waste Class: Waste Class			263 ORGANIC LABOF	RATORY CHEMIC	ALS	
Waste Class: Waste Class			222 HEAVY FUELS			
Waste Class: Waste Class			112 ACID WASTE - H	EAVY METALS		
Waste Class: Waste Class			212 ALIPHATIC SOLV	/ENTS		
Waste Class:			241			

Map Key	Number Records		Elev/Diff n) (m)	Site	DB
Waste Class	Desc:	HALOGENATE	D SOLVENTS		
Waste Class: Waste Class		264 Photoproce	SSING WASTES		
Waste Class: Waste Class		121 ALKALINE WA	STES - HEAVY MET	ALS	
Waste Class: Waste Class		146 OTHER SPECI	FIED INORGANICS		
Waste Class: Waste Class		148 INORGANIC LA	BORATORY CHEM	ICALS	
Waste Class: Waste Class		312 PATHOLOGIC/	AL WASTES		
Waste Class: Waste Class		243 PCBS			
Waste Class: Waste Class		145 PAINT/PIGMEN	IT/COATING RESID	UES	
Waste Class: Waste Class		251 OIL SKIMMING	S & SLUDGES		
Waste Class: Waste Class		253 EMULSIFIED C	DILS		
Waste Class: Waste Class		252 WASTE OILS &			
<u>2</u>	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 Status: Approval Yea Contam. Faci MHSW Facilit SIC Code: SIC Descripti	nrs: ility: ty:	ON4256084 04		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 Status: Approval Yea Contam. Facilit MHSW Facilit SIC Code: SIC Descripti	nrs: ility: ty:	ON8145235 Registered As of Dec 2018		PO Box No: Country: Canada Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class		261 A Pharmaceutica	S		
Waste Class:		312 P			

Map Key	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class	s Desc:		Pathological waste	es		
<u>2</u>	80 of 125		WNW/16.4	62.9 / 0.00	Alinea Dental 1125 Colonel By Dr Suite 2100 Ottawa ON K1S5R1	GEN
Generator N Status: Approval Ye Contam. Faa MHSW Facil SIC Code: SIC Descrip	ears: cility: lity:	ON33682 Registere As of Dee	ed		PO Box No: Country: Canada Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>						
Waste Class Waste Class			312 P Pathological waste	es		
<u>2</u>	81 of 125		WNW/16.4	62.9 / 0.00	Group IV Semiconductor Inc. Carleton University 1125 Colonel By Drive Ottawa ON	GEN
Generator N	Vo:	ON52781	185		PO Box No:	
O4 - 4					Country:	
Status: Approval Ye	ears.	2010			Choice of Contact	
Approval Ye Contam. Fa	cility:	2010			Choice of Contact: Co Admin:	
Approval Ye	cility:	2010 325189, 3	325190			
Approval Ye Contam. Fa MHSW Facil	cility: lity:			organic Chemical I	Co Admin:	
Approval Ye Contam. Fac MHSW Faci SIC Code:	cility: lity:			organic Chemical I	Co Admin: Phone No Admin:	
Approval Ye Contam. Faci MHSW Faci SIC Code: SIC Descrip	cility: ility: otion: s:			-	<b>Co Admin:</b> <b>Phone No Admin:</b> Manufacturing, Other Basic Organic Chemical Manufacturing	
Approval Ye Contam. Fa MHSW Faci SIC Code: SIC Descrip <u>Detail(s)</u> Waste Class	cility: ility: otion: s: s Desc: s:		All Other Basic Inc	RATORY CHEMIC	Co Admin: Phone No Admin: Manufacturing, Other Basic Organic Chemical Manufacturing	
Approval Ye Contam. Fac MHSW Facil SIC Code: SIC Descrip <u>Detail(s)</u> Waste Class Waste Class	cility: ility: otion: s: s Desc: s:		All Other Basic Inc 263 ORGANIC LABOR 148	RATORY CHEMIC	Co Admin: Phone No Admin: Manufacturing, Other Basic Organic Chemical Manufacturing	GEN
Approval Ye Contam. Fa MHSW Faci SIC Code: SIC Descrip <u>Detail(s)</u> Waste Class Waste Class Waste Class	cility: lity: btion: s: s Desc: s: s Desc: 82 of 125		All Other Basic Ind 263 ORGANIC LABOR 148 INORGANIC LABO	RATORY CHEMIC	Co Admin: Phone No Admin: Manufacturing, Other Basic Organic Chemical Manufacturing ALS ICALS Carleton University 1125 Colonel By Drive	GEN
Approval Ye Contam. Fa MHSW Facil SIC Code: SIC Descrip <u>Detail(s)</u> Waste Class Waste Class Waste Class Waste Class <u>2</u> Generator N Status:	cility: lity: btion: s: s Desc: s: s Desc: 82 of 125 No:	325189, 5	All Other Basic Ind 263 ORGANIC LABOR 148 INORGANIC LABO	RATORY CHEMIC	Co Admin: Phone No Admin: Manufacturing, Other Basic Organic Chemical Manufacturing ALS ICALS Carleton University 1125 Colonel By Drive Ottawa ON PO Box No: Country:	GEN
Approval Ye Contam. Fa MHSW Facil SIC Code: SIC Descrip <u>Detail(s)</u> Waste Class Waste Class Waste Class Waste Class Z Generator N Status: Approval Ye Contam. Fa	cility: lity: btion: s: s Desc: s: s Desc: 82 of 125 No: ears: cility:	325189, 3	All Other Basic Ind 263 ORGANIC LABOR 148 INORGANIC LABO	RATORY CHEMIC	Co Admin: Phone No Admin: Manufacturing, Other Basic Organic Chemical Manufacturing ALS ICALS Carleton University 1125 Colonel By Drive Ottawa ON PO Box No: Country: Choice of Contact: Co Admin:	GEN
Approval Ye Contam. Fa MHSW Facil SIC Code: SIC Descrip <u>Detail(s)</u> Waste Class Waste Class Waste Class Waste Class Z Generator N Status: Approval Ye	cility: lity: btion: s: s Desc: s: s Desc: 82 of 125 No: ears: cility:	325189, 5	All Other Basic Ind 263 ORGANIC LABOR 148 INORGANIC LABO	RATORY CHEMIC	Co Admin: Phone No Admin: Manufacturing, Other Basic Organic Chemical Manufacturing ALS ICALS Carleton University 1125 Colonel By Drive Ottawa ON PO Box No: Country: Choice of Contact:	GEN
Approval Ye Contam. Fai MHSW Facil SIC Code: SIC Descrip <u>Detail(s)</u> Waste Class Waste Class Waste Class Waste Class Z Generator N Status: Approval Ye Contam. Facil	cility: lity: btion: s: s Desc: s: besc: 82 of 125 No: ears: cility: lity:	325189, 3 ON37705 2011	All Other Basic Ind 263 ORGANIC LABOR 148 INORGANIC LABO	RATORY CHEMIC ORATORY CHEM 62.9 / 0.00	Co Admin: Phone No Admin: Manufacturing, Other Basic Organic Chemical Manufacturing ALS ICALS Carleton University 1125 Colonel By Drive Ottawa ON PO Box No: Country: Choice of Contact: Co Admin:	GEN
Approval Ye Contam. Fai MHSW Facil SIC Code: SIC Descrip <u>Detail(s)</u> Waste Class Waste Class Waste Class Waste Class Waste Class Z Cataus: Approval Ye Contam. Facil SIC Code:	cility: lity: btion: s: s Desc: s: besc: 82 of 125 No: ears: cility: lity:	325189, 3 ON37705 2011	All Other Basic Inc 263 ORGANIC LABOF 148 INORGANIC LABO <i>WNW/16.4</i> 520	RATORY CHEMIC ORATORY CHEM 62.9 / 0.00	Co Admin: Phone No Admin: Manufacturing, Other Basic Organic Chemical Manufacturing ALS ICALS Carleton University 1125 Colonel By Drive Ottawa ON PO Box No: Country: Choice of Contact: Co Admin:	GEN
Approval Ye Contam. Fai MHSW Facii SIC Code: SIC Descrip <u>Detail(s)</u> Waste Class Waste Class Waste Class Waste Class Waste Class Waste Class Class Generator N Status: Approval Ye Contam. Faci SIC Descrip	cility: lity: btion: s: s Desc: s: s Desc: 82 of 125 82 of 125 No: ears: cility: lity: btion: s:	325189, 3 ON37705 2011	All Other Basic Inc 263 ORGANIC LABOF 148 INORGANIC LABO <i>WNW/16.4</i> 520	RATORY CHEMIC ORATORY CHEM 62.9 / 0.00	Co Admin: Phone No Admin: Manufacturing, Other Basic Organic Chemical Manufacturing ALS ICALS Carleton University 1125 Colonel By Drive Ottawa ON PO Box No: Country: Choice of Contact: Co Admin:	GEN

Мар Кеу	Number o Records	f	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No. Status:		DN00511	100		PO Box No: Country:	
Approval Year Contam. Facil MHSW Facility	lity:	2013			Choice of Contact: Co Admin: Phone No Admin:	
SIC Code: SIC Descriptio		511310	UNIVERSITIES			
<u>Detail(s)</u>						
Waste Class: Waste Class I	Desc:		221 LIGHT FUELS			
Waste Class: Waste Class I	Desc:		253 EMULSIFIED OILS			
Waste Class: Waste Class I	Desc:		222 HEAVY FUELS			
Waste Class: Waste Class I	Desc:		241 HALOGENATED SC	OLVENTS		
Waste Class: Waste Class I	Desc:		252 WASTE OILS & LUE	BRICANTS		
Waste Class: Waste Class I			213 PETROLEUM DIST	ILLATES		
Waste Class: Waste Class L	Desc:		212 ALIPHATIC SOLVE	NTS		
Waste Class: Waste Class L	Desc:		113 ACID WASTE - OTH	HER METALS		
Waste Class: Waste Class L	Desc:		121 ALKALINE WASTES	S - HEAVY MET	ALS	
Waste Class: Waste Class L	Desc:		262 DETERGENTS/SOA	APS		
Waste Class: Waste Class L	Desc:		312 PATHOLOGICAL W	ASTES		
Waste Class: Waste Class I			243 PCBS			
Waste Class: Waste Class L	Desc:		232 POLYMERIC RESIN	NS		
Waste Class: Waste Class L	Desc:		211 AROMATIC SOLVE	NTS		
Waste Class: Waste Class I	Desc:		264 PHOTOPROCESSII	NG WASTES		
Waste Class: Waste Class I	Desc:		122 ALKALINE WASTES	S - OTHER MET	TALS	
Waste Class: Waste Class I	Desc:		261 PHARMACEUTICAI	LS		
Waste Class: Waste Class I			242 HALOGENATED PE	ESTICIDES		
Waste Class:			148			

Map Key Numb Recor		Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		INORGANIC LABO	ORATORY CHEMI	CALS	
Waste Class: Waste Class Desc:		269 NON-HALOGENA	TED PESTICIDES		
Waste Class: Waste Class Desc:		112 ACID WASTE - HE	EAVY METALS		
Waste Class: Waste Class Desc:		146 OTHER SPECIFIE	D INORGANICS		
Waste Class: Waste Class Desc:		263 ORGANIC LABOR	RATORY CHEMICA	ALS	
Waste Class: Waste Class Desc:		145 PAINT/PIGMENT/	COATING RESIDU	JES	
Waste Class: Waste Class Desc:		251 OIL SKIMMINGS &	& SLUDGES		
Waste Class: Waste Class Desc:		331 WASTE COMPRE	SSED GASES		
2 84 of 12	5	WNW/16.4	62.9 / 0.00	Sports Medicine Clinic Carleton University 1125 Colonel By Dr Ottawa ON K1S5B6	GEN
Generator No:	ON8145	235		PO Box No:	
Status: Approval Years:	2015			Country: Canada Choice of Contact: CO_OFFICIAL	
Contam. Facility: MHSW Facility:	No No			Co Admin: Phone No Admin:	
SIC Code: SIC Description:	621110	OFFICES OF PHY	/SICIANS		
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		261 PHARMACEUTIC	ALS		
Waste Class: Waste Class Desc:		312 PATHOLOGICAL	WASTES		
2 85 of 12	5	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON0051 Register As of De	ed		PO Box No: Country: Canada Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		122 C Alkaline slutions -	containing other m	etals and non-metals (not cyanide)	
Waste Class: Waste Class Desc:		112 C Acid solutions - co	ntaining heavy me	tals	

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Waste Class		113 C Acid solutions - con	taining other meta	ls and non-metals	
Waste Class		121 C			
Waste Class	Desc:	Alkaline slutions - co	ontaining heavy m	etals	
Waste Class. Waste Class		145 I Wastes from the us	e of pigments, coa	tings and paints	
Waste Class		145 L	<b>f</b> :	tin un aund un sinte	
Waste Class	Desc:	Wastes from the us	e of pigments, coa	lungs and paints	
Waste Class. Waste Class		146 R Other specified inor	ganic sludges, slu	rries or solids	
Waste Class	:	146 T			
Waste Class		Other specified inor	ganic sludges, slu	rries or solids	
Waste Class		148 A			
Waste Class	Desc:	Misc. wastes and in	organic chemicals		
Waste Class	:	148 B			
Waste Class	Desc:	Misc. wastes and in	organic chemicals		
Waste Class	:	148 C			
Waste Class	Desc:	Misc. wastes and in	organic chemicals		
Waste Class. Waste Class		148 I Misc. wastes and in	organic chemicals		
Waste Class. Waste Class		148 L Misc. wastes and in	organic chemicals		
Waste Class.	:	148 R			
Waste Class	Desc:	Misc. wastes and in	organic chemicals		
Waste Class. Waste Class		148 T Misc. wastes and in	organic chemicals		
Waste Class. Waste Class		211 H Aromatic solvents a	nd residues		
Waste Class	-	211			
Waste Class	Desc:	Aromatic solvents a	nd residues		
Waste Class. Waste Class		212 I Aliphatic solvents a	nd residues		
Waste Class. Waste Class		212 L Aliphatic solvents a	nd residues		
Waste Class. Waste Class		213 I Petroleum distillates	6		
Waste Class. Waste Class		221 I Light fuels			
Waste Class	:	221 L			
Waste Class	Desc:	Light fuels			
Waste Class. Waste Class		222 L Heavy fuels			
Waste Class. Waste Class		232 I Polymeric resins			
masle UIdSS	<i>Dest.</i>				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class: Waste Class		241 H Halogenated solve	ents and residues		
Waste Class: Waste Class		243 D PCB			
Waste Class: Waste Class		251 L Waste oils/sludges	s (petroleum based	3)	
Waste Class: Waste Class		252 L Waste crankcase	oils and lubricants		
Waste Class: Waste Class		252 T Waste crankcase	oils and lubricants		
Waste Class: Waste Class		253 L Emulsified oils			
Waste Class: Waste Class		261 A Pharmaceuticals			
Waste Class: Waste Class		262 L Detergents and so	paps		
Waste Class: Waste Class		263 B Misc. waste organ	ic chemicals		
Waste Class: Waste Class		263 C Misc. waste organ	ic chemicals		
Waste Class: Waste Class		263 H Misc. waste organ	ic chemicals		
Waste Class: Waste Class		263 I Misc. waste organ	ic chemicals		
Waste Class: Waste Class		263 L Misc. waste organ	ic chemicals		
Waste Class: Waste Class		263 R Misc. waste organ	ic chemicals		
Waste Class: Waste Class		263 T Misc. waste organ	ic chemicals		
Waste Class: Waste Class		264 C Photoprocessing v	vastes		
Waste Class: Waste Class		264 T Photoprocessing v	vastes		
Waste Class: Waste Class		312 P Pathological waste	es		
Waste Class: Waste Class		331 C Waste compresse	d gases including	cylinders	
Waste Class: Waste Class		331 I Waste compresse	d 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	o: ON	0051100		PO Box No:	

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Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Status: Approval Yea Contam. Facil MHSW Facility SIC Code: SIC Descriptio	lity: y:	2015 No No 611310	UNIVERSITIES		Country: Choice of Contact: Co Admin: Phone No Admin:	Canada CO_OFFICIAL Tina Preseau 613-520-2600 Ext.3809	
<u>Detail(s)</u>							
Waste Class: Waste Class L	Desc:		252 WASTE OILS & LUE	BRICANTS			
Waste Class: Waste Class I	Desc:		264 PHOTOPROCESSII	NG WASTES			
Waste Class: Waste Class L	Desc:		241 HALOGENATED SC	OLVENTS			
Waste Class: Waste Class L	Desc:		251 OIL SKIMMINGS &	SLUDGES			
Waste Class: Waste Class I	Desc:		211 AROMATIC SOLVE	NTS			
Waste Class: Waste Class I	Desc:		112 ACID WASTE - HEA	AVY METALS			
Waste Class: Waste Class I	Desc:		331 WASTE COMPRES	SED GASES			
Waste Class: Waste Class I	Desc:		269 NON-HALOGENATI	ED PESTICIDES	3		
Waste Class: Waste Class I	Desc:		113 ACID WASTE - OTH	HER METALS			
Waste Class: Waste Class I	Desc:		312 PATHOLOGICAL W	/ASTES			
Waste Class: Waste Class I	Desc:		262 DETERGENTS/SOA	APS			
Waste Class: Waste Class I	Desc:		146 OTHER SPECIFIED	) INORGANICS			
Waste Class: Waste Class I			121 ALKALINE WASTES	S - HEAVY MET	ALS		
Waste Class: Waste Class I			148 INORGANIC LABOF	RATORY CHEM	ICALS		
Waste Class: Waste Class I			232 POLYMERIC RESIN	٧S			
Waste Class: Waste Class I			212 ALIPHATIC SOLVE	NTS			
Waste Class: Waste Class L			213 PETROLEUM DIST	ILLATES			
Waste Class: Waste Class I	Desc:		145 PAINT/PIGMENT/C	OATING RESID	UES		
Waste Class: Waste Class I			122 ALKALINE WASTES	S - OTHER MET	ALS		

, ,	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class: Waste Class De	esc:		222 HEAVY FUELS			
Waste Class: Waste Class De	esc:		243 PCBS			
Waste Class: Waste Class De	esc:		263 ORGANIC LABOR	ATORY CHEMIC	ALS	
Waste Class: Waste Class De	esc:		253 EMULSIFIED OILS	i		
Waste Class: Waste Class De	esc:		242 HALOGENATED P	ESTICIDES		
Waste Class: Waste Class De	esc:		221 LIGHT FUELS			
Waste Class: Waste Class De	esc:		261 PHARMACEUTICA	LS		
<u>2</u> 8	7 of 125		WNW/16.4	62.9 / 0.00	Sports Medicine Clinic Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6	GEN
		ON8145	235		PO Box No:	
Status: Approval Years	:	2012			Country: Choice of Contact:	
Contam. Facility MHSW Facility:					Co Admin: Phone No Admin:	
SIC Code: SIC Description		621110	Offices of Physiciar	าร		
<u>Detail(s)</u>						
Waste Class: Waste Class De	esc:		312 PATHOLOGICAL V	VASTES		
Waste Class: Waste Class De	esc:		261 PHARMACEUTICA	LS		
<u>2</u> 8	8 of 125		WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	GEN
Generator No:		ON3770	520		PO Box No:	
Status: Approval Years		2009			Country: Choice of Contact:	
Contam. Facility MHSW Facility:					Co Admin: Phone No Admin:	
SIC Code: SIC Description		621110	Offices of Physiciar	ns		
SIC Description	1.		Onces of Physicial	15		
<u>Detail(s)</u>						
Waste Class: Waste Class De	esc:		312 PATHOLOGICAL V	VASTES		
2 8	9 of 125		WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 09-070 1125 COLONEL BY DRIVE OTTAWA ON	GEN

Order No: 20190920010

Map Key	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site	DE
Generator No Status: Approval Yea Contam. Faci MHSW Facilit SIC Code: SIC Descripti	nrs: lity: ty:	ON005 94 8531	1100 UNIVERSITY EDUC	CATION	PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>						
Waste Class: Waste Class			263 ORGANIC LABORA	ATORY CHEMIC	CALS	
Waste Class: Waste Class			264 PHOTOPROCESSI	NG WASTES		
Waste Class: Waste Class			269 NON-HALOGENAT	ED PESTICIDE	S	
Waste Class: Waste Class			312 PATHOLOGICAL W	ASTES		
Waste Class: Waste Class			331 WASTE COMPRES	SED GASES		
Waste Class: Waste Class			112 ACID WASTE - HE/	AVY METALS		
Waste Class: Waste Class			113 ACID WASTE - OTI	HER METALS		
Waste Class: Waste Class			122 ALKALINE WASTE	S - OTHER MET	FALS	
Waste Class: Waste Class			148 INORGANIC LABO	RATORY CHEM	licals	
Waste Class: Waste Class			211 AROMATIC SOLVE	ENTS		
Waste Class: Waste Class	-		212 ALIPHATIC SOLVE	NTS		
Waste Class: Waste Class			221 LIGHT FUELS			
Waste Class: Waste Class			222 HEAVY FUELS			
Waste Class: Waste Class			241 HALOGENATED S	OLVENTS		
Waste Class: Waste Class			242 HALOGENATED PI	ESTICIDES		
Waste Class: Waste Class			243 PCB'S			
Waste Class: Waste Class			251 OIL SKIMMINGS &	SLUDGES		
Waste Class: Waste Class			252 WASTE OILS & LU	BRICANTS		

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>2</u>	90 of 125		WNW/16.4	62.9 / 0.00	Kone Inc. 1125 Colonel By Drive Ottawa ON K1S 5B6	GEN
Generator N Status: Approval Ye Contam. Fac MHSW Facili SIC Code: SIC Descript	ars: cility: ity:	ON6027 02,03,0			PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>						
Waste Class Waste Class			252 WASTE OILS & LU	IBRICANTS		
<u>2</u>	91 of 125		WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA ON	GEN
Status:		ON005 <sup>2</sup> 92 93 9	1100 5,96,97,98,99,00,01,0	12 03 04 05 06 07	PO Box No: Country: Choice of Contact:	
Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		08 8531	UNIVERSITY EDU		Co Admin: Phone No Admin:	
<u>Detail(s)</u>						
Waste Class Waste Class			253 EMULSIFIED OILS	;		
Waste Class Waste Class			121 ALKALINE WASTE	ES - HEAVY MET	ALS	
Waste Class Waste Class			121 ALKALINE WASTE	ES - HEAVY META	ALS	
Waste Class Waste Class			112 ACID WASTE - HE	AVY METALS		
Waste Class Waste Class	-		113 ACID WASTE - OT	HER METALS		
Waste Class Waste Class	-		122 ALKALINE WASTE	S - OTHER MET	ALS	
Waste Class Waste Class			145 PAINT/PIGMENT/0	COATING RESIDU	JES	
Waste Class Waste Class			146 OTHER SPECIFIE	D INORGANICS		
Waste Class Waste Class			148 INORGANIC LABC	RATORY CHEMI	CALS	
Waste Class Waste Class			211 AROMATIC SOLV	ENTS		

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Waste Class Waste Class			212 ALIPHATIC SOLVE	ENTS			
Waste Class Waste Class			213 PETROLEUM DIST	TILLATES			
Waste Class Waste Class			221 LIGHT FUELS				
Waste Class Waste Class			222 HEAVY FUELS				
Waste Class Waste Class			241 HALOGENATED S	OLVENTS			
Waste Class Waste Class			242 HALOGENATED P	ESTICIDES			
Waste Class Waste Class			243 PCB'S				
Waste Class Waste Class			251 OIL SKIMMINGS &	SLUDGES			
Waste Class Waste Class			252 WASTE OILS & LU	IBRICANTS			
Waste Class Waste Class			254 TRANSFER STATI	ION OILS WASTES	8		
Waste Class Waste Class			262 DETERGENTS/SC	DAPS			
Waste Class Waste Class			263 ORGANIC LABOR	ATORY CHEMICA	LS		
Waste Class Waste Class			264 PHOTOPROCESS	ING WASTES			
Waste Class Waste Class			269 NON-HALOGENAT	TED PESTICIDES			
Waste Class Waste Class			312 PATHOLOGICAL V	WASTES			
Waste Class Waste Class			331 WASTE COMPRES	SSED GASES			
<u>2</u>	92 of 125		WNW/16.4	62.9 / 0.00	Carleton university 1125 Colonel By Drive Ottawa ON K1S5B6		GHG
GHG ID No: Facility NPF DUNS No:		G11745			Public Contact: Pub Cont Phone: Pub Cont Ext:	Scott Macdonald 6138521434	
Year: Rprt Comp Rprt Comp Emission Fa Engineer Es Mass Balan GHG Emiss	Trade Nm: Bus No: actors: atimates: ce:	Carleton 11883893 Applicable Not Applic			Pub Cont Email: Pub Cont Mail Addr: Pub Cont City: Pub Cont Prov: Pub Cont Postal Cd: Latitude: Longitude:	scott.macdonald@carleton.ca 1125 Colonel By Drive Ottawa Ontario K1S 5B6 45.38758 -75.69602	

Not Applicable / Sans objet GHG Emissions (kt): 
 Total Emissions (tonnes CO2e):
 17285.85404

 Monitoring or Direct Measure:
 Not Applicable
 Not Applicable / Sans objet

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Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	DE
Facility GHG					cility-emissions/GHGRP-G1	1745-2017.html
Public Conta		:	Manager, Building	Operations		
NAICS Name			611310			
NAICS Code			Universities			
NAICS Code			Universités			
NAICS Data I			&MLV=5&CPV=611	1310		D=307532&CVD=307548&CST=01012017&CLV
Facility Detai	11:		http://indicators-ma	p.canada.ca/App	/Detail?id=0111745&GoCTe	emplateCulture=en-CA
<u>GHG Emissic</u>	on 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 tonn	es:				HFC-245ca t CO2e:	0
HFC-23 tonn	es CO2e:	0			HFC Total t Co2e:	0
HFC-32 tonne	es:				CF4 tonnes:	
HFC-32 tonn	es CO2e:	0			CF4 tonnes CO2e:	0
HFC-125 toni	nes:				C2F6 tonnes:	
HFC-125 t CC	02e:	0			C2F6 tonnes CO2e:	0
HFC-134a tor	nnes:				C3F8 tonnes:	
HFC-134a t C	CO2e:	0			C3F8 tonnes CO2e:	0
HFC-143a tor	nnes:				C4F10 tonnes:	
HFC-143a tor	n CO2e:	0			C4F10 tonnes CO2e:	0
HFC-152a tor	nnes:				C4F8 tonnes:	
HFC-152a tor	n CO2e:	0			C4F8 tonnes CO2e:	0
HFC-41 tonne	es:				C5F12 tonnes:	
HFC-41 tonn	es CO2e:	0			C5F12 tonnes CO2e:	0
HFC-43 10me	ee t:				C6F14 tonnes:	
HFC-43 10me	ee t CO2:	0			C6F14 tonnes CO2e:	0
HFC-134 toni	nes:				PFC Total t CO2e:	0
HFC-134 t CC		0			SF6 tonnes:	
HFC-143 toni	nes:				SF6 tonnes CO2e:	0
2	93 of 125		WNW/16.4	62.9 / 0.00	1125 COLONEL BY L	DRIVE
-					OTTAWA ON	HINC

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

Incident No: Incident ID: Attribute Categ Status Code: Incident Locati Drainage Syste Sub Surface Co Aff. Prop. Use Contam. Migra Contact Natura Near Body of V Approx. Quant	on: em: bontam.: Water: ted: I Env.: Vater: Rel.: del:	WNW/16.4 1427168 FS-Perform L1 Incic 1125 COLONEL BY	·	1125 COLONEL BY DRIVE, OTTAWA ON	INC
Incident ID: Attribute Categ Status Code: Incident Locati Drainage Syste Sub Surface Co Aff. Prop. Use Contam. Migra Contact Natura Near Body of V Approx. Quant	on: em: bontam.: Water: ted: I Env.: Vater: Rel.: del:	FS-Perform L1 Incic	·	'A - LEAK	
Attribute Categ Status Code: Incident Locati Drainage Syste Sub Surface Co Aff. Prop. Use Contam. Migra Contact Natura Near Body of V Approx. Quant	on: em: bontam.: Water: ted: I Env.: Vater: Rel.: del:		·	'A - LEAK	
Incident Locati Drainage Syste Sub Surface Co Aff. Prop. Use Contam. Migra Contact Natura Near Body of V Approx. Quant	em: Dontam.: Water: ted: I Env.: Vater: Rel.: del:	1125 COLONEL BY	Í DRIVE, OTTAW	'A - LEAK	
Aff. Prop. Use Contam. Migra Contact Natura Near Body of V Approx. Quant	Water: ted: I Env.: Vater: . Rel.: del:				
Contact Natura Near Body of V Approx. Quant	l Env.: Vater: . Rel.: del:				
Near Body of V Approx. Quant	Vater: . Rel.: del:				
	del:				
Equipment Me					
Equipment Mo Serial No:	p. Type:				
Residential Ap					
Commercial Ap Industrial App.					
Institutional Ap					
Venting Type:					
Vent Connecto Vent Chimney					
Pipeline Type:					
Pipeline Involv Pipe Material:	ed:				
Depth Ground	Cover:				
Regulator Loca	ntion:				
Regulator Type Operation Pres					
Liquid Prop Ma					
Liquid Prop Mo					
Liquid Prop Se Equipment Typ					
Cylinder Capac	ity:				
Cylinder Capac					
Cylinder Mater Tank Capacity:					
Fuels Occuren	ce Type:	Leak			
Fuel Type Invo Date of Occure		Diesel 2014/07/02 00:00:00	0		
Time of Occure		2014/07/02 00.00.0 NULL	U		
Occur Insp Sta	rt Date:	2014/07/02 00:00:0	D		
Any Health Imp Any Environme		No No			
Was Service In		No			
Was Property I	Damaged:	No			
Operation Type Enforcement P		Institution (incl.hosp NULL	ital,school,goverr	nment etc.)	
Prc Escalation		NULL			
Task No:		5083448			
Notes:	rativa	minor wooning last	a at nining laint-		
Occurence Nar Tank Material 1		minor, weeping leak	s at piping joints		
Tank Storage 1	ype:				
Tank Location	Туре:				
Pump Flow Rat Liquid Prop No					

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	
Incident No:		1361540			
Incident ID: Attribute Cate	aorv:	FS-Perform L1 Incic	lent Insp		
Status Code:					
Incident Loca	tion:	1125 COLONEL BY	DRIVE, OTTAW	'A - LEAK	
Drainage Sys					
Sub Surface					
Aff. Prop. Use					
Contam. Migr Contact Natu					
Near Body of					
Approx. Quai					
Equipment M Serial No:					
Residential A	рр. Туре:				
Commercial /	App. Type:				
Industrial Ap					
Institutional A					
Venting Type					
Vent Connect Vent Chimne					
Pipeline Type					
Pipeline Invo					
Pipe Material					
Depth Groun					
Regulator Lo					
Regulator Ty	pe:				
Operation Pre	essure:				
Liquid Prop N					
Liquid Prop N					
Liquid Prop S					
Equipment Ty Cylinder Cap					
Cylinder Cap					
Cylinder Mate					
Tank Capacit					
Fuels Occure		Leak			
Fuel Type Inv		Other Hydrocarbon	Fuel		
Date of Occu		2014/03/24 00:00:0	0		
Time of Occu		NULL	-		
Occur Insp S		2014/03/24 00:00:0	)		
Any Health In		Unknown			
Was Service	nental Impact:	Yes No			
Was Property		Unknown			
Operation Ty		Institution (incl.hosp	ital.school.goveri	nment etc.)	
Enforcement		NULL	,,,,	,	
Prc Escalatio		NULL			
Task No:		4855683			
Notes:					
Occurence N		Release of Bunker I	Fuel at tank sump	. Unknown date of Incider	nt or cause. University has no documentation.
Tank Materia					
Tank Storage					
Tank Locatio Pump Flow R					
Liquid Prop N					

Incident No: Incident ID: Attribute Category: Status Code:

FS-Perform L1 Incident Insp

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Incident Loc		1125 COLONEL BY	DRIVE, OTTAW	A - LEAK	
Drainage Sys					
Sub Surface Aff. Prop. Us					
Contam. Mig					
Contact Nati					
Near Body o					
Approx. Qua					
Equipment N					
Serial No:					
Residential A					
Commercial					
Industrial Ap					
Institutional					
Venting Type					
Vent Connect Vent Chimne					
Pipeline Typ					
Pipeline Invo					
Pipe Materia					
Depth Groun					
Regulator Lo					
Regulator Ty					
Operation Pr					
Liquid Prop					
Liquid Prop					
Liquid Prop					
Equipment 7 Cylinder Cap					
Cylinder Cap					
Cylinder Mat					
Tank Capaci					
Fuels Occur		Leak			
Fuel Type In		Fuel Oil			
Date of Occu		2016/05/12 00:00:0	0		
Time of Occ		12:00:00			
Occur Insp S		2016/05/13 00:00:0	0		
Any Health I		No			
	mental Impact:	Unknown			
Was Service Was Propert		No Unknown			
	/pe Involved:	Institution (incl.hosp	ital school govern	ament etc.)	
Enforcement		NULL	ital,school,goven	ment etc.)	
Prc Escalatio	•	NULL			
Task No:		6165386			
Notes:					
Occurence N	larrative:	sump pit with produ	ct		
Tank Materia	al Type:				
Tank Storage					
Tank Locatio					
Pump Flow F					
Liquid Prop	Notes:				
	97 of 125		62.0 / 0.00	CARLETON UNIVERSITY	
<u>2</u>	ər ur 120	WNW/16.4	62.9 / 0.00	1125 COLONEL BY DRIVE BUILDING SERVICES Ottawa ON	NPCB
Company Co	nde:	O0180			
Industry:	/46.	School/Care/Facility	1		
Site Status:		Stored for Disposal			
Transaction	Date:	10/8/1993			
Inspection D		10/8/1993			
-, <b>-</b>	-				

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

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DE
Serial No.:		2133-1			
РСВ Туре/Со	de:	ASKAREL/ASKARE	L		
Location:		IN STORAGE			
ltem/State:		TRANSFORMER/FL	JLL		
No. of Items:		1			
Manufacturer:	:	POWERLIFE			
Status:		STORED FOR DISP	POSAL		
Contents:		935 L	00,12		
Label:		OR23586			
Serial No.:		2-300689			
PCB Type/Co	de <sup>.</sup>	ASKAREL/ASKARE	I		
Location:		BUILDING 7	_		
tem/State:		TRANSFORMER/FL			
No. of Items:		1			
		FERRANTI			
Manufacturer:					
Status: Contents:		IN-USE 935 L			
		000000			
Label: Serial No.:		OR23585 2-300688			
PCB Type/Co	do.	ASKAREL/ASKARE	I		
РСБ Туре/Сос Location:		BUILDING 7	<b>-</b>		
Item/State:		TRANSFORMER/FL	JLL		
No. of Items:		1			
Manufacturer:		FERRANTI			
Status:		IN-USE			
Contents:		935 L			
Label:		OR23584			
Serial No.:		SM64985			
PCB Type/Co	de:	ASKAREL/ASKARE	L		
Location:		IN STORAGE			
Item/State:		TRANSFORMER/FL	ЛТ		
No. of Items:		1			
Manufacturer:		WESTINGHOUSE			
Status:		STORED FOR DISP	IAZOS		
Contents:		935 L	OUAL		
Label:		OR23583			
Serial No.:		SM64046			
	da.		ı		
PCB Type/Co	ae:	ASKAREL/ASKARE	L		
Location:		IN STORAGE			
Item/State:		TRANSFORMER/FL	JLL		
No. of Items:		1	· · · · · · - · · - · · · ·		
Manufacturer:	:	WESTINGHOUSE N		DATE: 1972-01-01	
Status:		STORED FOR DISP	POSAL		
Contents:		935 L			
Label:		OR23588			
Serial No.:		2137-1			
PCB Type/Co	de:	ASKAREL/ASKARE	L		
Location:		BUILDING 20			
Item/State:		TRANSFORMER/FL	ЛТ		
No. of Items:		1			
Manufacturer:		PIONEER			
Status:	•	IN-USE			
Contents:		935 L			
l abal:		0000507			
Label:		OR23587			
Serial No.:		A-31-S0272			
РСВ Туре/Со	de:	ASKAREL/ASKARE	L		
		BUILDING 17			
Location:					
		TRANSFORMER/FL			
ltem/State:		1	JLL		
Location: Item/State: No. of Items: Manufacturer:	:		JLL		

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: Contents:			IN-USE 1239 L			
2	99 of 125		WNW/16.4	62.9 / 0.00	CARLETON UNIVER 1125 COLONEL BY I OTTAWA ON K1S5B	DRIVE NOT AVAILABLE
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:	MED
		1				CUDIC
Rpt Type ID:					Cont First Name:	CHRIS
Report Year:		2004			Cont Last Name:	WHITE
Not-Current I	•	No			Contact Position:	MANAGER OF ENVIRONMENTAL HEALTH
Yr of Last Fil	ed Rpt:	2008			Contact Fax:	6135202122
Fac ID:		153290			Contact Ph.:	6135201600
Fac Name:			ON UNIVERSITY		Cont Area Code:	613
Fac Address	1:	1125 CO	LONEL BY DRIVE		Contact Tel.:	35201600
Fac Address	2:	NOT AVA	ILABLE		Contact Ext.:	38091
Fac Postal Zi	p:	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 Fil					Latitude:	45.3854
Facility DLS:					Longitude:	-75.6961
Datum:		1983			UTM Zone:	-73.0301
Facility Cmn	te :	True			UTM Northing:	
URL:	5.	nue				
		10450			UTM Easting:	False
No of Empl.:		18450			Waste Streams:	Faise
Parent Co.:		Ν			No Streams:	E de c
No Parent Co		-			Waste Off Sites:	False
Pollut Prev C	imnts:	True			No Off Sites:	
Stacks:		No			Shutdown:	
No of Stacks					No of Shutdown:	
Canadian SIC Canadian SIC SIC Code De American SIC	C Code: scription: C Code:	gıt):	61			
NAICS Code				0		
NAICS 2 Des			Educational service	3		
NAICS Code			6113			
NAICS 4 Des			Universities			
NAICS Code			611310			
NAICS 6 Des	cription:		Universities			
Substance R	elease Repo	<u>ort</u>				
Category Typ	e ID:		13			
Category Typ			All Media			
Category Typ		•	Rejets à tous les me	édias		
Grouping:			Total All Media<1t			
Trans Code:						
Chem:			PM2.5 - Particulate	Matter <- 2 5 M	icrons	
Chem (fr):			PM2,5 - Matière par			
			.476	10uiaile >- 2,3 l		
Quantity:						
Unit: Decis of Ecti			tonnes			
Basis of Esti Basis of Esti						
Category Typ	pe ID:		13			

Map Key	Number o Records	f Direction/ Distance		Elev/Diff (m)	Site		DB		
Category Ty Grouping: Trans Code:	pe Desc (fr):	Rejets à tous l Total All Media		édias					
Chem:									
Chem (fr):									
Quantity:		.557							
Unit:		tonnes							
Basis of Est	imate Cd:								
Basis of Est	imate Desc:								
Category Ty		1							
Category Ty		Stack / Point							
Category Ty	pe Desc (fr):	Rejets de cher	minée	e ou ponctuels					
Grouping: Trans Code:		Total Air ASta							
Chem:			nden (	expressed as NC	))				
Chem (fr):		Oxyde d'azote			,				
Quantity:		18.476	(						
Unit:		tonnes							
Basis of Est	imate Cd:	E2							
Basis of Est	imate Desc:	E2- Published	Emis	sion Factors - In	use from 2003 and onwa	rd			
Category Ty	pe ID:	1							
Category Ty	pe Desc:	Stack / Point							
Category Ty	pe Desc (fr):	Rejets de cher	minée	e ou ponctuels					
Grouping:		Total Air							
Trans Code:		ASta							
Chem:				pressed as NO2) primés en NO2)					
Chem (fr): Quantity:		28.329	e (ex	primes en NOZ)					
Unit:		tonnes							
Basis of Est	imate Cd:	E2							
Basis of Est	imate Desc:	E2- Published	Emis	sion Factors - In	use from 2003 and onwa	rd			
2	100 of 125	WNW/16.4		62.9 / 0.00	CARLETON UNIV	EDGITY			
2	100 01 125	<i>www.</i> 10.4		02.9 / 0.00		Y DRIVE NOT AVAILABLE	NPRI		
NPRI ID:	1	0602			Org ID:	41617			
Other ID:	N	1			Submit Date:	5/29/2008			
No Other ID <sup>.</sup>					Last Modified	5/29/2015 3·28·24 PM			

NPRI ID:	10602	Org ID:	41617
Other ID:	Ν	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.:	Ν	No Streams:	
No Parent Co.:		Waste Off Sites:	True?
Pollut Prev Cmnts:	False	No Off Sites:	

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Stacks:	True			Shutdown:	
No of Stacks				No of Shutdown:	
	C Code (2 digit):				
Canadian SI					
SIC Code De					
American SI		0.4			
NAICS Code		61 Educational comi			
NAICS 2 Des		Educational servio 6113	ces		
NAICS Code NAICS 4 Des		Universities			
NAICS 4 Des		611310			
NAICS 6 Des		Universities			
<u>Substance R</u>	elease Report				
Category Typ		1			
Category Typ	pe Desc:	Stack / Point			
Category Typ	be Desc (fr):	Rejets de chemin	ée ou ponctuels		
Grouping:		Total Air			
Trans Code:		ASta			
Chem:			expressed as NO2	)	
Chem (fr):		Oxydes d'azote (e	exprimés en NO2)		
Quantity:		23.847			
Unit:		tonnes			
Basis of Esti Basis of Esti		E2 E2- Published Err	ission Factors - In	use from 2003 and onward	
Category Typ	ne ID <sup>.</sup>	1			
Category Typ		Stack / Point			
Category Typ		Rejets de chemin	ée ou ponctuels		
Grouping:		Total Air			
Trans Code:		ASta			
Chem:		PM10 - Particulate	e Matter <= 10 Mic	rons	
Chem (fr):		PM10 - Matière pa	articulaire <= 10 m	icrons	
Quantity:		1.014			
Unit:		tonnes			
Basis of Esti	mate Cd:	E2			
Basis of Esti	mate Desc:	E2- Published Em	ission Factors - In	use from 2003 and onward	
Category Typ	pe ID:	13			
Category Typ		All Media			
Category Typ		Rejets à tous les i	médias		
Grouping:	. /	Total All Media<1			
Trans Code:					
Chem:		PM2.5 - Particulat	te Matter <= 2.5 Mi	icrons	
Chem (fr):			articulaire <= 2,5 r	nicrons	
Quantity:		.784			
Unit:		tonnes			
Basis of Esti Basis of Esti					
2	101 of 125		62.0 / 0.00		
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

erisinfo.com | Environmental Risk Information Services

	ecords	Direction/ Distance (m)	Elev/Diff (m)	Site		D
Not-Current Rpt?	?: No			Contact Position:	MANAGER OF ENVIRONMEN AND SAFETY	TAL HEALT
r of Last Filed R	Rpt: 2008			Contact Fax:	6135202122	
	15329	22			6135201600	
Fac ID:				Contact Ph.:		
Fac Name:		ETON UNIVERSITY C	AIVIFU3	Cont Area Code:	613	
Fac Address1:		COLONEL BY DRIVE		Contact Tel.:	35201600	
ac Address2:		TENANCE BUILDING		Contact Ext.:	3809	
ac Postal Zip:	K1S5			Cont Fax Area Cde:	613	
Facility Lat:	45.38	54		Contact Fax:	35202122	
Facility Long:	-75.69	961		Contact Email:	CHRIS_WHITE@CARLETON.(	CA
DLS (Last Filed R	Rpt):			Latitude:	45.3854	
acility DLS:				Longitude:	-75.6961	
Datum:	1983			UTM Zone:		
Facility Cmnts:	False			UTM Northing:		
JRL:	1 4100			UTM Easting:		
	18450	<b>)</b>			False	
No of Empl.:	10430	)		Waste Streams:		
Parent Co.:				No Streams:	0	
No Parent Co.:	1			Waste Off Sites:	False	
Pollut Prev Cmnt	t <b>s:</b> False			No Off Sites:	0	
Stacks:	False			Shutdown:	False	
Vo of Stacks:				No of Shutdown:	0	
Canadian SIC Co Canadian SIC Co SIC Code Descrip	de: ption:					
American SIC Co	ode:					
VAICS Code (2 d	igit):	61				
VAICS 2 Descript		Educational service	es			
VAICS Code (4 d		6113				
VAICS 4 Descript		Universities				
		611310				
VAICS Code (6 d						
VAICS 6 Descript	tion:	Universities				
Category Type De Category Type De		Rejets de cheminé	e ou ponctuels			
Grouping: Trans Code: Chem: Chem (fr): Quantity: Jnit: Basis of Estimate Basis of Estimate Category Type ID Category Type D Category Type D Grouping: Trans Code: Chem: Chem (fr): Quantity:	e Cd: e Desc: ): esc:	Total Air ASta PM10 - Particulate PM10 - Matière pa .585 tonnes E E2 E- Emission Factor 1 Stack / Point Rejets de cheminé Total Air ASta PM2.5 - Particulate PM2,5 - Matière pa .488 tonnes	rticulaire <= 10 mi r - In use from 199 e ou ponctuels e Matter <= 2.5 Mi	crons 14 to 2002 ; E2- Published E crons	Emission Factors - In use from 2003	and onward
Grouping: Trans Code: Chem: Chem (fr): Quantity: Jnit: Basis of Estimate Basis of Estimate Category Type ID Category Type Do Category Type Do Grouping: Trans Code: Chem: Chem: Chem (fr): Quantity: Jnit:	e Cd: e Desc: ): esc: esc (fr):	ASta PM10 - Particulate PM10 - Matière pa .585 tonnes E E2 E- Emission Factor 1 Stack / Point Rejets de cheminé Total Air ASta PM2.5 - Particulate PM2,5 - Matière pa .488	rticulaire <= 10 mi r - In use from 199 e ou ponctuels e Matter <= 2.5 Mi	crons 14 to 2002 ; E2- Published E crons	Emission Factors - In use from 2003	and onward
Grouping: Frans Code: Chem: Chem (fr): Quantity: Jnit: Basis of Estimate Basis of Estimate Category Type ID Category Type D Category Type D Category Type D Category Type D Grouping: Frans Code: Chem	e Cd: e Desc: o: esc: esc (fr): e Cd:	ASta PM10 - Particulate PM10 - Matière pa .585 tonnes E E2 E- Emission Factor 1 Stack / Point Rejets de cheminé Total Air ASta PM2.5 - Particulate PM2,5 - Matière pa .488 tonnes E E2	rticulaire <= 10 mi r - In use from 199 e ou ponctuels e Matter <= 2.5 Mi articulaire <= 2,5 n	crons 14 to 2002 ; E2- Published E crons nicrons	Emission Factors - In use from 2003 Emission Factors - In use from 2003	
Grouping: Trans Code: Chem: Chem (fr): Quantity: Jnit: Basis of Estimate Basis of Estimate Category Type ID Category Type D Grouping: Trans Code: Chem: Chem: Chem (fr): Quantity: Jnit: Basis of Estimate	e Cd: e Desc: o: esc: esc (fr): e Cd:	ASta PM10 - Particulate PM10 - Matière pa .585 tonnes E E2 E- Emission Factor 1 Stack / Point Rejets de cheminé Total Air ASta PM2.5 - Particulate PM2,5 - Matière pa .488 tonnes E E2	rticulaire <= 10 mi r - In use from 199 e ou ponctuels e Matter <= 2.5 Mi articulaire <= 2,5 n	crons 14 to 2002 ; E2- Published E crons nicrons		
Grouping: Trans Code: Chem: Chem (fr): Quantity: Unit: Basis of Estimate Basis of Estimate Category Type ID Category Type D Grouping: Trans Code: Chem (fr): Quantity: Unit: Basis of Estimate Basis of Estimate	e Cd: e Desc: o: esc: esc (fr): e Cd:	ASta PM10 - Particulate PM10 - Matière pa .585 tonnes E E2 E- Emission Factor 1 Stack / Point Rejets de cheminé Total Air ASta PM2.5 - Particulate PM2,5 - Matière pa .488 tonnes E E2	rticulaire <= 10 mi r - In use from 199 e ou ponctuels e Matter <= 2.5 Mi articulaire <= 2,5 n	crons 14 to 2002 ; E2- Published E crons nicrons 14 to 2002 ; E2- Published E CARLETON UNIVER	Emission Factors - In use from 2003 RSITY DRIVE MAINTENANCE	
Grouping: Trans Code: Chem: Chem (fr): Quantity: Unit: Basis of Estimate Basis of Estimate Category Type ID Category Type D Grouping: Trans Code: Chem: Chem (fr): Quantity: Unit: Basis of Estimate Basis of Estimate	e Cd: e Desc: o: esc: esc (fr): e Cd: e Desc:	ASta PM10 - Particulate PM10 - Matière pa .585 tonnes E E2 E- Emission Factor 1 Stack / Point Rejets de cheminé Total Air ASta PM2.5 - Particulate PM2,5 - Matière pa .488 tonnes E E2 E- Emission Factor	rticulaire <= 10 mi r - In use from 199 e ou ponctuels e Matter <= 2.5 Mi articulaire <= 2,5 n r - In use from 199	crons 14 to 2002 ; E2- Published E crons nicrons 14 to 2002 ; E2- Published E CARLETON UNIVER 1125 COLONEL BY I BUILDING	Emission Factors - In use from 2003 RSITY DRIVE MAINTENANCE	and onward

Other ID: No Other ID: Track ID: Report ID: Report Type: Rpt Type ID: Report Year: Not-Current Rpt?: Yr of Last Filed Rpt: Fac Name: Fac Address1: Fac Address2: Fac Address2: Fac Postal Zip: Facility Long: DLS (Last Filed Rpt) Facility DLS: Datum: Facility DLS: Datum: Facility Cmnts: URL: No of Empl.: Parent Co.: Pollut Prev Cmnts: Stacks: No of Stacks: Canadian SIC Code: SIC Code Description American SIC Code: SIC Code Description American SIC Code: SIC Code (2 digit) NAICS 2 Description NAICS Code (4 digit) NAICS 6 Description MAICS 6 Description Substance Release Category Type Desc Category Type Desc Category Type Desc Category Type Desc Category Type Desc Category Type Desc Category Type Desc	153292 CARLET 1125 CC MAINTE K1S5B6 45.3854 -75.696 : 1983 False 18450 * 1 False True (2 digit): n:		PUS	Submit Date: Last Modified: Contact ID: Cont Type: Contact Title: Cont First Name: Cont Last Name: Contact Position: Contact Position: Contact Ph.: Contact Ph.: Contact Ph.: Contact Ph.: Contact Fax: Contact Tel.: Contact Tel.: Contact Tel.: Contact Exail: Latitude: Longitude: UTM Zone: UTM Northing: UTM Easting: Waste Streams: No Streams: No Streams: No Off Sites: Shutdown: No of Shutdown:	5/31/2004 5/29/2015 3:28:24 PM 130391 MED CHRIS WHITE MANAGER OF ENVIRONMENTAL HEALTH AND SAFETY 6135202122 6135202600 613 35202600 38091 613 35202122 CHRIS_WHITE@CARLETON.CA 45.3854 -75.6961 True? False True
Track ID: Report ID: Report Type: Rpt Type ID: Report Year: Not-Current Rpt?: Yr of Last Filed Rpt: Fac ID: Fac Name: Fac Address1: Fac Address2: Fac Postal Zip: Facility Lat: Facility Long: DLS (Last Filed Rpt) Facility DLS: Datum: Facility Cmnts: URL: No of Empl.: Parent Co.: No Parent Co.: Pollut Prev Cmnts: Stacks: No of Stacks: Canadian SIC Code: SIC Code Description MAICS Code (2 digit NAICS 2 Description NAICS Code (6 digit NAICS 6 Description MAICS 7 Type ID: Category Type Desc	156071 NPRI 1 2003 No 2008 153292 CARLET 1125 CC MAINTE K1S5B6 45.3854 -75.696 : 1983 False 18450 * 1 False True (2 digit): n:	DLONEL BY DRIVE NANCE BUILDING	PUS	Contact ID: Contact ID: Contact Title: Contact Title: Cont First Name: Contact Position: Contact Position: Contact Ph.: Contact Ph.: Contact Ph.: Contact Tel.: Contact Tel.: Contact Ext.: Contact Exail: Latitude: Longitude: UTM Zone: UTM Northing: UTM Easting: Waste Streams: No Streams: No Streams: No Off Sites: Shutdown:	130391 MED CHRIS WHITE MANAGER OF ENVIRONMENTAL HEALTH AND SAFETY 6135202122 6135202600 613 35202600 38091 613 35202122 CHRIS_WHITE@CARLETON.CA 45.3854 -75.6961 True? False
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Category Type ID: Category Type Desc Category Type Desc	): ): ):	Educational services 6113 Universities 611310 Universities			
Category Type Desc Category Type Desc	<u>Report</u>				
Category Type Desc Category Type Desc		1			
Category Type Desc	:	Stack / Point			
		Rejets de cheminée ou	ponctuels		
	()	Total Air			
Trans Code:		ASta			
Chem:		Sulphur dioxide			
Chem (fr):		Dioxyde de soufre			
Quantity:		37.739			
Unit:	_	tonnes			
Basis of Estimate C		E2			
Basis of Estimate D	esc:	E2- Published Emission	n Factors - In u	se 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 (expres	ssed as NO2)		
Chem (fr):		Oxydes d'azote (exprim	,		
Quantity:		43.339	100 011 NOZ)		
•					
Unit: Dania of Entimote O		tonnes			
Basis of Estimate C		E2 E2 Dublished Enviroism	- Casterra I	from 0000 '	
Basis of Estimate D	esc:	E2- Published Emission	n ⊢actors - In u	se from 2003 and onward	

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB			
Category Typ	be ID:	1						
Category Typ	oe Desc:	Stack / Point						
Category Typ	oe Desc (fr):	Rejets de cheminée	ou ponctuels					
Grouping:	. ,	Total Air						
Trans Code:		ASta						
Chem:		PM2.5 - Particulate	Matter <= 2.5 Mic	rons				
Chem (fr):		PM2,5 - Matière par	ticulaire <= 2,5 m	icrons				
Quantity:		2.74						
Unit:		tonnes						
Basis of Esti	mate Cd:	E2						
Basis of Esti	mate Desc:	E2- Published Emission Factors - In use from 2003 and onward						
Category Typ	be ID:	1						
Category Typ	be Desc:	Stack / Point						
Category Typ	be Desc (fr):	Rejets de cheminée	ou ponctuels					
Grouping:		Total Air						
Trans Code:		ASta						
Chem:		PM10 - Particulate N	/latter <= 10 Micr	ons				
Chem (fr):		PM10 - Matière part	iculaire <= 10 mio	rons				
Quantity:		3.415						
Unit:		tonnes						
Basis of Esti	mate Cd:	E2						
Basis of Esti	mate Desc:	E2- Published Emis	sion Factors - In i	ise from 2003 and onward				

103 of 125	WNW/16.4	62.9 / 0.00

<u>2</u>

101

CARLETON UNIVERSITY	
1125 COLONEL BY DRIVE NOT AVAILABLE	
OTTAWA ON K1S5B6	

NPRI ID:	10602	Org ID:	41617
Other ID:	Ν	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.:	Ν	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 d	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		

NPRI

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
NAICS Code NAICS 6 Des		611310 Universities			
<u>Substance R</u>	elease Report				
Category Typ	be ID:	13			
Category Typ	pe Desc:	All Media			
Category Typ	oe Desc (fr):	Rejets à tous les me	édias		
Grouping:	. ,	Total All Media<1t			
Trans Code:					
Chem:		PM2.5 - Particulate	Matter <= 2.5 M	icrons	
Chem (fr):		PM2,5 - Matière par	ticulaire <= 2,5 ı	nicrons	
Quantity:		.412			
Unit:		tonnes			
Basis of Esti	mate Cd:				
Basis of Esti	mate Desc:				
Category Typ	be ID:	1			
Category Typ		Stack / Point			
Category Typ	be Desc (fr):	Rejets de cheminée	ou ponctuels		
Grouping:		Total Air			
Trans Code:		ASta			
Chem:		Nitrogen oxides (ex	pressed as NO2	)	
Chem (fr):		Oxydes d'azote (exp	primés en NO2)		
Quantity:		21.099			
Unit:		tonnes			
Basis of Esti	mate Cd:	E2			
Basis of Esti	mate Desc:	E2- Published Emis	sion Factors - In	use from 2003 and onward	
<u>2</u>	104 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE NOT AVAILABLE OTTAWA ON K1S5B6	NPRI

		OTTAWA ON K1S5B	0
NPRI ID:	10602	Org ID:	41617
Other ID:	Ν	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.:	Ν	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 De								
American Sl		61						
NAICS Code NAICS 2 Des		Educational servic	es					
NAICS Code		6113						
NAICS 4 Des	cription:	Universities						
NAICS Code		611310						
NAICS 6 Des	cription:	Universities						
<u>Substance R</u>	elease Report							
Category Ty	pe ID:	13						
Category Ty		All Media	<i>.</i>					
Category Ty	be Desc (fr):	Rejets à tous les r						
Grouping: Trans Code:		Total All Media<11						
Chem:		PM2 5 - Particulat	e Matter <= 2.5 Mic	crons				
Chem (fr):			articulaire <= 2,5 m					
Quantity:		.8						
Unit:		tonnes						
Basis of Esti Basis of Esti								
		1						
Category Ty Category Ty		I Stack / Point						
Category Ty		Rejets de chemine	ée ou ponctuels					
Grouping:		Total Air						
Trans Code:		ASta						
Chem:			expressed as NO2)					
Chem (fr):		Oxydes d'azote (exprimés en NO2)						
Quantity:		23.198						
Unit: Basis of Esti	imata Cdi	tonnes E2						
Basis of Esti Basis of Esti			ission Factors - In	use from 2003 and onward				
Category Ty	pe ID:	1						
Category Ty		Stack / Point						
Category Ty	pe Desc (fr):	Rejets de chemine	ée ou ponctuels					
Grouping:		Total Air						
Trans Code:		ASta	Matter - 10 Mian					
Chem:			e Matter <= 10 Micr articulaire <= 10 mi					
Chem (fr): Quantity:		1.043						
Quantity: Unit:		tonnes						
Basis of Esti	imate Cd:	E2						
Basis of Esti			ission Factors - In	use from 2003 and onward				
2	105 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY	0.000			
-				1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	OPCB			
Year:		2003						
Site Number		40288A214						
Name Owner								
Additional Si	ite 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						

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Name Owne Additional S	r: ite Information:	Carleton University			
2	107 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	ОРСВ
Year: Site Number Name Owne Additional S		2004 40288A214			
2_	108 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Dr. Ottawa ON K1S 5B6	ОРСВ
Year: Site Number Name Owne Additional S	-	2012 40288A214 Carleton University			
<u>2</u>	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 (fi 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: Plant Size (fi Employment	t²):	01-AUG-75			
<u>Details</u> Description: SIC/NAICS C		Newspaper Publish 511110	ers		
2	111 of 125	WNW/16.4	62.9 / 0.00	Pearson Peacekeeping Centre 1125 Colonel By Dr Suite 5110 Ottawa ON K1S 5B6	SCT
Established: Plant Size (fi Employment	t²):	01-DEC-94			
<u>Details</u> Description: SIC/NAICS C		Technical and Trad 611510	e Schools		
Description:		Business Association	ons		

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC/NAICS C	Code:	813910			
Description: SIC/NAICS C		Social Advocacy Or 813310	ganizations		
2	112 of 125	WNW/16.4	62.9 / 0.00	<i>Match Point - Cdn Table Tennis 1125 Colonel By Dr Suite 2800 Ottawa ON K1S 5B6</i>	SCT
Established: Plant Size (fi Employment	t²):	5			
<u>Details</u> Description: SIC/NAICS C		Periodical Publisher 511120	rs		
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: Plant Size (fi Employment	t²):	01-AUG-45			
<u>Details</u> Description: SIC/NAICS C		Newspaper Publish 511110	ers		
<u>2</u>	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: Plant Size (fi Employment	t²):	1945 0 16			
<u>Details</u> Description: SIC/NAICS C		NEWSPAPERS: PL 2711	JBLISHING, OR F	UBLISHING AND PRINTING	
Description: SIC/NAICS C		TYPESETTING 2791			
Description: SIC/NAICS C		Newspaper Publish 511110	ers		
<u>2</u>	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 (fi Employment	t²):				

Map Key Numl Reco			Elev/Diff (m)	Site		DB
<u>Details</u> Description: SIC/NAICS Code:	Periodi 511120	cal Publishers )				
2 116 of	125 WNW	//16.4 6	2.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON		SPL
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Code: Contaminant Name: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1 Environment Impact: Nature of Impact: Receiving Medium: Receiving Medium: Receiving Env: MOE Response: Dt MOE ArvI on Scn: MOE Response: Dt MOE ArvI on Scn: MOE Reported Dt: Dt Document Closed. Incident Reason: Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: Contaminant Qty:	<i>I:</i> Not Anticipated Air Pollution; Hun Air 10/7/2004 Equipment Failur 1125 C	METHANE) nan Health/Safe e :OLONEL BY D		Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Region: Site Kegion: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	Gases/Particulate Ottawa Eastern Ottawa NA NA M.C.B.S Fuel Safety; Spill to Air	
2 117 of	125 WNW	//16.4 6	2.9 / 0.00	R. W. Tomlinson Limite 1125 Colonel By Drive Ottawa ON K1S 5B6	ed <unofficial></unofficial>	SPL
Ref No:	1050-8KNKHZ			Discharger Report: Material Group:		

Мар Кеу	Number Records		Elev/Diff (m)	Site	DB
Incident Sun Contaminan		RW Tomlinson: 19 19 L	L hydraulic fluid t	o road and CB	
<u>2</u>	118 of 125	WNW/16.4	62.9 / 0.00	Enbridge Gas Distribu 1125 Colonel By Dr Ottawa ON K1S 5B6	ution Inc. SPL
Ref No: Site No: Incident Dt: Year: Incident Cau Incident Eve Contaminan Contaminan Contaminan Contaminan Environmen Nature of Im Receiving Ei MOE Respoi Dt MOE Arvi MOE Respoi Dt Documen	ent: t Code: t Name: t Limit 1: it Freq 1: t UN No 1: t Impact: pact: ledium: nv: nse: on Scn: red Dt:	3443-A3SN2P 9708-63SRUP 10/30/2015 35 NATURAL GAS (METHANE) No 10/30/2015 11/6/2015		Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Region: Site Region: Site Municipality: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class:	Miscellaneous Industrial 1125 Colonel By Dr K1S 5B6 Ottawa NA NA NA NA NA NA TSSA - Fuel Safety Branch - Hydrocarbon Fue
ncident Rea Bite Name: Bite County/ Bite Geo Rei ncident Sun Contaminan	District: f Meth: nmary:	Operator/Human Error Carleton University NA TSSA- 2 inch plast 0 other - see incide	ic line damage, o	-	Release/Spill
<u>2</u>	119 of 125	WNW/16.4	62.9 / 0.00	S 21 (1)(f) of FIPPA 1125 Colonel By Dr Ottawa ON K1S 5B6	SPL
Ref No: Site No: Incident Dt: Year: Incident Eve Contaminan Contaminan Contaminan Contam Lim Contaminan Environmen	ent: t Code: t Name: t Limit 1: it Freq 1: t UN No 1:	1151-86QR2E Discharge Or Bypass To A W Confirmed	/atercourse	Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality:	Other
Environmen Nature of Im Receiving M Receiving E MOE Respoi Dt MOE Arvl MOE Report Dt Documen	pact: ledium: nv: nse: l on Scn: led Dt:	6/24/2010		Site Municipality: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class:	NA NA Pollution Incident Reports (PIRs) and ¿Other¿
Incident Rea Site Name: Site County/	ison:	Equipment Failure - Malfunct components Carleton University	-	Source Type:	calls

Map Key	Number Records		Elev/Diff (m)	Site		DE
Site Geo Ref Incident Sun Contaminan	nmary:	Carleton University	-cross contamina	tion storm and raw sewage		
2	120 of 125	WNW/16.4	62.9 / 0.00	Enbridge Gas Distribu 1125 Colonel By Drive Ottawa ON K1S 5B6		SPL
Ref No:		1366-8F6NWS		Discharger Report:		
Site No: Incident Dt:		3/21/2011		Material Group: Health/Env Conseq:		
Year: Incident Cau Incident Eve	nt:	Unknown		Client Type: Sector Type: Agency Involved:	Pipeline	
Contaminan Contaminan Contaminan Contam Lim	t Name: t Limit 1:	35 NATURAL GAS (METHANE)		Nearest Watercourse: Site Address: Site District Office: Site Postal Code:	1125 Colonel By Drive	
Contaminan Environmen Nature of Im Receiving M	t Impact: pact:	Not Anticipated		Site Region: Site Municipality: Site Lot: Site Conc:	Ottawa	
Receiving El MOE Respoi Dt MOE Arvl MOE Reporte	nv: 1se: on Scn:	Referral to others 3/21/2011		Northing: Easting: Site Geo Ref Accu: Site Map Datum:		
Dt Documen Incident Rea Site Name: Site County/	t Closed: son:	3/25/2011 Unknown - Reason not detern 1125 Colonel By Di		SAC Action Class: Source Type:	TSSA - Fuel Safety Branch	
Site Geo Ref Incident Sun Contaminan	<sup>•</sup> Meth: nmary:	TSSA - Pipeline Str 0 other - see incide		iversity		
<u>2</u>	121 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel by Drive Ottawa ON		SPL
Ref No: Site No:		3460-9TMQAS NA		Discharger Report: Material Group:		
		2/11/2015		Health/Env Conseq:		
Year:				Client Type:		
Year: Incident Cau Incident Eve	nt:	Leak/Break		Sector Type: Agency Involved:		
Year: Incident Cau Incident Eve Contaminan Contaminan Contaminan Contam Lim	nt: t Code: t Name: t Limit 1: it Freq 1:	Leak/Break 38 REFRIGERANT GAS, N.O.S		Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code:	1125 Colonel by Drive	
Year: Incident Cau Incident Eve Contaminan Contaminan Contam Lim Contaminan Environmen Nature of Im Receiving M	nt: t Code: t Name: t Limit 1: it Freq 1: t UN No 1: t Impact: pact: edium:	38		Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Runicipality: Site Lot: Site Conc:	1125 Colonel by Drive Ottawa	
Year: Incident Cau Incident Eve Contaminan Contaminan Contaminan Contaminan Renvironmen Nature of Im Receiving Ei MOE Respor	nt: t Code: t Name: t Limit 1: it Freq 1: t UN No 1: t Impact: pact: edium: nv: nse:	38 REFRIGERANT GAS, N.O.S Air N		Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: Site Lot:		
Year: Incident Cau Incident Eve Contaminan Contaminan Contaminan Contam Lim Contaminan Rontaminan Nature of Im Receiving M Receiving Ei MOE Respor Dt MOE Report Dt Documen	nt: t Code: t Name: t Limit 1: it Freq 1: t UN No 1: t Impact: pact: edium: nv: nse: on Scn: ed Dt: t Closed:	38 REFRIGERANT GAS, N.O.S Air		Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: Site Lot: Site Conc: Northing: Easting:		
Incident Dt: Year: Incident Cau Incident Eve Contaminant Contaminant Contaminant Contaminant Contaminant Environment Nature of Im Receiving El MOE Resport Dt MOE ArvI MOE Resport Dt MOE ArvI MOE Report Dt Documen Incident Rea Site Name: Site County/	nt: t Code: t Name: t Limit 1: it Freq 1: t UN No 1: t Impact: pact: edium: nv: nse: on Scn: ed Dt: t Closed: son: District:	38 REFRIGERANT GAS, N.O.S Air N 2/11/2015		Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: Site Lot: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	Ottawa	

Мар Кеу	Number Records		Elev/Diff ) (m)	Site		DE
Contaminan	t Qty:	215 lb				
2	122 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON		SPL
	ent: t Code:	2338-5YRLXQ 5/7/2004 Overflow (Tanks Lagoons)		Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse:	Chemical	
Contaminant Code: Contaminant Name: Contaminant Name: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Nature of Impact: Receiving Medium: Receiving Medium: Receiving Env: MOE Response: Dt MOE ArvI on Scn: MOE Reported Dt: Dt Document Closed: Incident Reason:		Mix Solvents (ethyl acetate acetone and hexane) Not Anticipated Other Impact(s) Water 5/7/2004 Unknown - Reason not det	ermined	Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	Ottawa Eastern Ottawa NA NA Spills	
Site Name: Site County/ Site Geo Ref Incident Sun Contaminan	f Meth: nmary:	1125 COLONEL Carleton Univers 3 L	ity-3 L of mix solven	ts to drain.		
2	123 of 125	WNW/16.4	62.9 / 0.00	Enbridge Gas <unoff 1125 Colonel Drive Ottawa ON</unoff 	icial>	SPL
Ref No: Site No: Incident Dt: Year: Incident Cau Incident Eve	ent:	7713-6FLQ9H 8/25/2005 Discharge or Emission to A	ir	Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse:	0 Gases/Particulate Other	
Contaminant Code: Contaminant Name:		METHANE GAS, COMPRE	ESSED (NATURAL	Site Address:		

Site District Office:

Site Postal Code:

Site Municipality:

Site Map Datum:

Source Type:

Site Region:

Site Lot:

Site Conc:

Northing:

Easting:

GAS) Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Possible Nature of Impact: **Receiving Medium:** Air Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 8/25/2005 Dt Document Closed: Incident Reason: Negligence (Apparent) - Caused by lack of diligence Site Name: Carleton University <UNOFFICIAL> Site County/District:

Site Geo Ref Accu: Spills to Air - gases and vapours SAC Action Class:

Ottawa

Ottawa

109

Site Geo Ref Meth:

Мар Кеу	Number Records		Elev/Diff (m)	Site	DE
Incident Sun Contaminan	•	Carleton University: 30000	Gas line rupture/	Evac	
2	124 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	SPL
Ref No: Site No: Incident Dt: Year:		3355-AETPBX NA 10/17/2016		Discharger Report: Material Group: Health/Env Conseq: Client Type:	
Incident Cau Incident Eve Contaminan	nt:	Leak/Break 38		Sector Type: Agency Involved: Nearest Watercourse:	Miscellaneous Industrial
Contaminan Contaminan Contam Lim Contaminan	t Limit 1: it Freq 1:	REFRIGERANT GAS, N.O.S.		Site Address: Site District Office: Site Postal Code: Site Region:	1125 Colonel By Drive
Environmen Nature of Im Receiving M Receiving En MOE Respon Dt MOE Arvl	t Impact: pact: ledium: nv: nse: on Scn:	Air		Site Municipality: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu:	Ottawa
MOE Report Dt Documen Incident Rea Site Name: Site County/ Site Geo Rei Incident Sun Contaminan	t Closed: ison: District: f Meth: nmary:	10/17/2016 Equipment Failure Carleton University Carleton University: 0 other - see incider	113 kg of R134 t		Air Spills - Gases and Vapours
2	125 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	SPL
Ref No: Site No: Incident Dt: Year:		0652-A9VLXK NA 2016/05/12		Discharger Report: Material Group: Health/Env Conseq: Client Type:	
Incident Cau Incident Eve Contaminan	ent:	Leak/Break 13		Sector Type: Agency Involved: Nearest Watercourse:	Miscellaneous Communal
Contaminan Contaminan Contam Lim Contaminan	t Name: t Limit 1: it Freq 1:	FUEL OIL		Site Address: Site District Office: Site Postal Code: Site Region:	1125 Colonel By Drive
Environmen Nature of Im Receiving M Receiving E	t Impact: pact: edium:	Land		Site Municipality: Site Lot: Site Conc: Northing:	Ottawa
MOE Respon Dt MOE Arvi MOE Report Dt Documen	nse: ' on Scn: ed Dt:	No 2016/05/12		Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon F
Incident Rea Site Name: Site County/	District:	Equipment Failure Carleton University•	<unofficial></unofficial>	Source Type:	Release/Spill
Site Geo Rei Incident Sun		Carleton Univ: leaky	/ UG diesel fuel s	ump tank	

Мар Кеу	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Contaminant	t Qty:		0 other - see incide	nt description			
<u>3</u>	1 of 1		SSW/29.8	63.8 / 0.97	ΟΝ		BORE
Borehole ID: OGF ID: Status: Type: Use: Completion I Static Water Primary Wate Sec. Water U Total Depth I	Date: Level: er Use: Ise:	612947 2155142 Borehole MAY-19 11.1	e 72		Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality: Lot: Township: Latitude DD: Latitude DD:	No Initial Entry No No 45.387654 -75.697853	
Depth Ref: Depth Elev: Drill Method: Orig Ground Elev Reliabil DEM Ground Concession: Location D: Survey D: Comments:	l Elev m: Note: l Elev m:	Ground 63.6 63.4	Surrace		UTM Zone: Easting: Northing: Location Accuracy: Accuracy:	18 445371 5026252 Not Applicable	
<u>Borehole Ge</u>	ology Strat	<u>um</u>					
Geology Stra Top Depth: Bottom Dept Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material	th: or:	2183930 0 .3 Clay Sand <i>n</i> :	098		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:		
Stratum Dess Geology Stra Top Depth: Bottom Dept Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material	cription: atum ID: th: or:	218393( .3 .8 Till	ARTIFICIAL.		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:		
Stratum Des	•		ARTIFICIAL.				
Geology Stra Top Depth: Bottom Dept Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material	th: or:   Descriptio	218393 <sup>-3</sup> 3 5.5 Brown Clay Silt Sand			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Stiff	
Stratum Des Geology Stra Top Depth:		218393 <sup>-</sup> 5.5	CLAY. BROWN,GF	ετ, <b>σ</b> ίΙΓΓ.	Mat Consistency: Material Moisture:	Loose	

	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bottom Depth. Material Color				Material Texture: 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 D	Description:				
Stratum Descr	ription:	SILT. VERY LOOSE			
Geology Strati		100		Mat Consistency:	
Top Depth:	.8			Material Moisture:	
Bottom Depth:				Material Texture:	
Material Color	:			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Clay Till			Geologic Group:	
Material 3:	1111			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material D Stratum Descr		ARTIFICIAL.			
Geology Strati	um ID: 218393 <sup>-</sup>	106		Mat Consistency:	Dense
Top Depth:	9.9			Material Moisture:	
Bottom Depth	: 11.1			Material Texture:	
Material Color				Non Geo Mat Type:	
Material 1:	Unknow	n		Geologic Formation:	
Material 2:	Till			Geologic Group:	
Material 3:	Shale			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material D	Description:				
Stratum Descr	ription:			10 013 00025 025 00100 052 runcated [Stratum Descriptio	2 00180 020 00205 015 002 **Note: Many recor on] field.
Geology Strati	um ID: 218393 <sup>-</sup> 6.2	103		Mat Consistency:	Loose
Top Depth: Bottom Depth:				Material Moisture: Material Texture:	
Material Color	=			Non Geo Mat Type:	
Material 1:	Unknow	n		Geologic Formation:	
Material 2:	Till			Geologic Group:	
Material 3:	Clay			Geologic Period:	
Material 4:	Oldy			Depositional Gen:	
Gsc Material D	Description:			Depositional Gen.	
Stratum Descr		UNSPECIFIED. LOO	OSE.		
Geology Strati	um ID: 218393 <sup>2</sup>	104		Mat Consistency:	Soft
Top Depth:	7			Material Moisture:	
Bottom Depth:				Material Texture:	
Material Color				Non Geo Mat Type:	
	Clay			Geologic Formation:	
				Geologic Group:	
Material 1:	Silt			Geologic Period:	
Material 1: Material 2:	Silt Gravel			Geologic Perioa.	
Material 1: Material 2: Material 3:				Depositional Gen:	
Material 1: Material 2: Material 3: Material 4: Gsc Material D	Gravel Description:	CLAY, GREY SOFT		5	
Material 1: Material 2: Material 3: Material 4: Gsc Material D Stratum Descr	Gravel Description: ription:	CLAY. GREY,SOFT		Depositional Gen:	
Material 1: Material 2: Material 3: Material 4: Gsc Material D Stratum Descr Geology Stratu	Gravel Description: ription: um ID: 2183937			Depositional Gen: Mat Consistency:	
Material 1: Material 2: Material 3: Gsc Material D Stratum Descr Geology Stratu Top Depth:	Gravel Description: ription: um ID: 218393' 7.6			Depositional Gen: Mat Consistency: Material Moisture:	
Material 1: Material 2: Material 3: Gsc Material D Stratum Descr Geology Stratu Top Depth: Bottom Depth:	Gravel Description: ription: um ID: 2183937 7.6 : 9.9			Depositional Gen: Mat Consistency: Material Moisture: Material Texture:	
Material 1: Material 2: Material 3: Gsc Material D Stratum Descr Geology Stratu Top Depth: Bottom Depth: Material Color	Gravel Description: ription: um ID: 218393' 7.6 : 9.9 :	105		Depositional Gen: Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type:	
Material 1: Material 2: Material 3: Gsc Material D Stratum Descr Geology Stratu Top Depth: Bottom Depth: Material Color. Material 1:	Gravel Description: ription: um ID: 218393' 7.6 : 9.9 : Unknow	105		Depositional Gen: Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation:	
Material 1: Material 2: Material 3: Gsc Material D Stratum Descr Geology Stratu Top Depth: Bottom Depth: Material Color Material 1: Material 2:	Gravel Description: ription: um ID: 2183937 7.6 7.6 : 9.9 : Unknow Till	105		Depositional Gen: Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group:	
Material 1: Material 2: Material 3: Gsc Material D Stratum Descr Geology Stratu Geology Stratu Geology Stratu Bottom Depth: Material Color Material 2: Material 2:	Gravel Description: ription: um ID: 218393' 7.6 : 9.9 : Unknow	105		Depositional Gen: Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period:	
Material 1: Material 2: Material 3: Gsc Material D Stratum Descr Geology Stratu Top Depth: Bottom Depth: Material Color Material 1: Material 2:	Gravel Description: ription: um ID: 2183937 7.6 : 9.9 : Unknow Till Sand	105		Depositional Gen: Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group:	

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		D
Source							
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details		Data Surv Geologica 1956-197 H	al Śurvey of Canada 2 Urban Geology Aut File: OTTAWA2.txt	RecordID: 05455	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: ion System (UGAIS) 50 NTS_Sheet: 31G05G	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level	
Confiden 1:			Logged by profession	onal. Exact and c	complete description of mate	rial and properties.	
<u>Source List</u>							
Source Identif Source Type: Source Date: Scale or Reso Source Name: Source Origin	lution:	1 Data Surv 1956-197 Varies	2		Horizontal Datum: Vertical Datum: Projection Name: ion System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator	
4	1 of 1		SW/53.9	64.9 / 2.03			BOR
					ON		Don
Borehole ID: OGF ID: Status:		612945 21551425	51		Inclin FLG: SP Status: Surv Elev:	No Initial Entry No	
Гуре:		Borehole			Piezometer:	No	
Use: Completion Da Static Water L Primary Water	evel:	MAY-197	2		Primary Name: Municipality: Lot: Township:		
Sec. Water Us Total Depth m Depth Ref:		11.9 Ground S	urface		Latitude DD: Longitude DD: UTM Zone:	45.387469 -75.698745 18	
Depth Elev: Drill Method:					Easting: Northing:	445301 5026232	
Orig Ground E Elev Reliabil N DEM Ground I Concession: Location D: Survey D: Comments:	lote:	63.9 63.3			Location Accuracy: Accuracy:	Not Applicable	
Borehole Geo	logy Stratu	<u>m</u>					
Geology Strati Top Depth: Bottom Depth Material Color Material 1: Material 2: Material 3: Material 4:	:	21839309 9.1 11 Till Gravel	92		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Dense	
Gsc Material E Stratum Desci			TILL. VERY DENSE	Ξ.			
Geology Strat Top Depth:	um ID:	21839308 0	36		Mat Consistency: Material Moisture:		
Bottom Depth Material Color Material 1:		2.1			Material Texture: Non Geo Mat Type: Geologic Formation:		
Material 2:		Fill			Geologic Group:		

Мар Кеу	Number Record		Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 3:		Clay			Geologic Period:	
Material 4:		Bedrock			Depositional Gen:	
Gsc Material		n:				
Stratum Des	cription:		ARTIFICIAL.			
Geology Stra	atum ID:	21839308	37		Mat Consistency:	Stiff
Top Depth:		2.1			Material Moisture:	
Bottom Dept	th:	4.6			Material Texture:	
Material Colo	or:	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		n:				
Stratum Des	cription:		CLAY. BROWN,GR	EY,VERY STIFF		
Geology Stra	atum ID:	21839309	91		Mat Consistency:	Dense
Top Depth:		7.3			Material Moisture:	
Bottom Dept	th:	9.1			Material Texture:	
Material Cold	or:				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		n:				
Stratum Des	cription:		UNSPECIFIED. DE	NSE TO VERY D	DENSE.	
Geology Stra	atum ID:	21839309	93		Mat Consistency:	
Top Depth:		11			Material Moisture:	
Bottom Dept	th:	11.9			Material Texture:	
Material Cold	or:				Non Geo Mat Type:	
Material 1:		Boulders			Geologic Formation:	
Material 2:					Geologic Group:	
Material 3:					Geologic Period:	
Material 4:					Depositional Gen:	
Gsc Material		n:		040 00070 020	00150 055 00005 015 00005	5 018 00238 009 0030 **Note: Many records
Stratum Des	cription.				runcated [Stratum Descriptio	
Geology Stra	atum ID:	21839308	38		Mat Consistency:	Stiff
Top Depth:		4.6	~~		Material Moisture:	
Bottom Dept	th•	6.2			Material Texture:	
Material Colo		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		n:			-	
Stratum Des	cription:		CLAY. GREY, STIFF	- TO VERY STIF	F.	
Geology Stra	atum ID:	21839308	39		Mat Consistency:	Loose
Top Depth:		6.2			Material Moisture:	
Bottom Dept		6.9			Material Texture:	
Material Cold	or:				Non Geo Mat Type:	
Material 1:		Unknown			Geologic Formation:	
Material 2:		Till			Geologic Group:	
Material 3:					Geologic Period:	
Material 4:	Dest				Depositional Gen:	
Gsc Material Stratum Des		n:	UNSPECIFIED. LO	OSE.		
	•	21839309	20		Mat Consistency	Dense
Geology Stra	atum ID:		0		Mat Consistency: Material Meisture:	
Top Depth:	·h·	6.9 73			Material Moisture:	
Bottom Dept Material Colo		7.3			Material Texture:	
Material Cold	л.	Silt			Non Geo Mat Type: Geologic Formation:	
material I.		Ont			Geologic Formation:	

Meterial 2: Clay Geologic Group: Meterial 4: Geologic Period: Set Material 4: Geologic Period: Berositional Gen: Set Material Description: Statum Descr	• •	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		D
Stratum Description: SILT. DENSE. Source Type: Data Survey of Canada Source Appl: Spatial/Tabular Geological Survey of Canada Source Iden: 1 Source Type: Jass Survey of Canada Source Iden: 1 Source Isis Confidence: H Urban Geology Automated Information System(CoAS) Source Datails: Canada Source Isis Source Datails: Canada Source Isis Source Type: Data Survey Source Type: Data Survey Source Type: Data Survey Source Type: Data Survey Source Isis So	laterial 3: laterial 4:		Till			Geologic Period:		
Source Type: Data Survey General Source Appl: Spatial/Tabular Genological Survey of Canada Source Iden: 1 Source Orig: Genological Survey Canada Source Iden: 1 Source Type: 1986-1972 H H H H H H H H H H H H H H H H H H H				SILT. DENSE.				
Source Orig:       Geological Survey of Canada       Source Iden::       1         Source Date:       1956-1972       Scale or Res:       Varies         Dentration:       Warts       Man Average Sea Level         Dentration:       Urban Geology Automated Information System (UGAIS)       Man Average Sea Level         Source Name:       Urban Geology Automated Information System (UGAIS)       NAD27         Source Identifier:       1       Logged by professional. Exact and complete description of material and properties.         Source Originators:       Data Survey of Canada       Varies       Man Average Sea Level         Source Originators:       Urban Geology Automated Information System (UGAIS)       Man Average Sea Level       Universal Transverse Mercator         Source Originators:       Urban Geology Automated Information System (UGAIS)       Man Average Sea Level       Universal Transverse Mercator         Source Originators:       Urban Geology Automated Information System (UGAIS)       Man Average Sea Level       Universal Transverse Mercator         Source Originators:       Urban Geology Automated Information System (UGAIS)       Man Average Sea Level       Universal Transverse Mercator         Source Originators:       Urban Geology Automated Information System (UGAIS)       Man Classics       No         Source Originators:       Urban Geology Automated Information System	ource							
Source Date: 1956-1972 Scale or Res: Varies NAD27 Verticalda: NAD27 Verticalda: NAD27 Verticalda: Mean Average Sea Level Source Datals: File: OTTAWA2 txt RecordID: 054530 NTS; Sheet: 31G05G Confiden 1: Logged by professional. Exact and complete description of material and properties. Source Control : 1956-1972 Vertical Datum: NAD27 Source Type: Data Survey Projection Name: Universal Transverse Mercator 1956-1972 Vertical Datum: Mana Average Sea Level 1956-1972 Vertical Datum: Universal Transverse Mercator 1956-1972 Vertical Datum: Universal Transverse Mercator Source Originators: Geology Automated Information System (UGAIS) Source Originators: Geological Survey of Canada 5 1 of 1 NE/54.7 61.9 / -1.00 0N Source Data Survey 5 1 of 1 NE/54.7 61.9 / -1.00 DoF ID: 215514267 SP Status: Initial Entry Satus: View: No Source Diginators: CT-1963 Municipality: Static Water Level: Tomship: Sec. Water Use: Tomship: Static Water Level: Tomship: Static Water Level: Tomship: Source Source Water Use: Ground Surface UTM Zone: 18 Source Source Water Use: Tomship: Static Water Level: Tomship: Static Water Level: Tomship: Static Water Level: Tomship: Static Water Level: Tomship: Static Water							. •	
Donifience:     H     Horizontal:     ND27       Deservatio:     Verticalda:     Mean Average Sea Level       Source Name:     Urban Geology Automated Information System (UGAIS)       Source Diatis:     File: OTTAWA20 XR Beoord10: OS4530 NTS; Sheet: 31GOG G       Confiden 1:     Logged by professional. Exact and complete description of material and properties.       Source Diatis:     Data Survey       Source Orginators:     Urban Geology Automated Information System (UGAIS)       Source Orginators:     Urban Geology Automated Information System (UGAIS)       Source Originators:     Sourobol C					la		-	
Disservatio:     Verticalda:     Mean Average Sea Level       Source Name:     Urban Geology Automated Information System (UGAIS))     Mean Average Sea Level       Source Identifier:     1     Logged by professional. Exact and complete description of material and properties.       Source Identifier:     1     Horizontal Datum:     NAD27       Source Orginators:     Urban Geology Automated Information System (UGAIS)     Mean Average Sea Level       Source Orginators:     Urban Geology Automated Information System (UGAIS)     Mean Average Sea Level       Source Orginators:     Urban Geology Automated Information System (UGAIS)     Mean Average Sea Level       Source Orginators:     Urban Geology Automated Information System (UGAIS)     Mean Average Sea Level       Source Orginators:     Geological Survey of Canada     No       Source Orginators:     Geological Survey of Canada     No       Source Orginators:     Geological Survey of Canada     No       Source Difficience:     File:     No       Source Orginators:     Geological Survey of Canada     No       Source Identifier:     1     NE/54.7     61.9 / -1.00       Source Orginators:     Geological Survey of Canada     No     No       Source Orginators:     Geological Survey of Canada     No     No       Source Orginators:     Borehole     Pilezometer: <td< td=""><td></td><td></td><td></td><td>72</td><td></td><td></td><td></td><td></td></td<>				72				
Source Name:       Urban Geology Automated Information System (UGAIS)         Source Details:       Flie: OTTAWA2 tot RecordD: 054530 NTS, Sheet: 31605G         Source Identifier:       1         Source Details:       Data Survey         Source Originators:       Data Survey         Varial Datum:       NAD27         Source Originators:       Data Survey         Source Originators:       Data Survey         Source Originators:       Urban Geology Automated Information System (UGAIS)         Source Originators:       Geological Survey of Canada         Soure Date:       1 of 1         NE/54.7       61.9/-1.00         Soure Date:       No         Soure Date:       155/14267         Soure Date:       OCT-1963         Soure Date:       OCT-1963         Soure Date:       OCT-1963         Soure Date:       Constitue DD:         Solutor Use:       Good Survey D:         Solutor Use:       Conglude DD:         Solutor Use:       Good Survey D:         Sorre Date:       Condi			п					
Source Details:       File: OTTAWA2, Ltk Record ID: 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 Date:       1995-1972       Varial Datum:       Mean Average Sea Level       Universal Transverse Mercator         Source Originators:       Urban Geology Automated Information System (UGAIS)       Source Date       Urban Geology Automated Information System (UGAIS)         Source Originators:       Geological Survey of Canada       ON       No         Source Date:       1       NE/54.7       61.9 / -1.00       No         Source Date:       1       NE/54.7       61.9 / -1.00       No         Source Date:       215514267       SP Status:       Initial Entry         Status:       Borehole D:       612962       Inclin FLG:       No         Source Date:       OCT-1963       Municipality:       Lot:         Socie: Water Use:       Cort-1963       Municipality:       Lot:         Sorehole D:       61.0       Logged DD:       45.389014         Socie: Water Use:       Cort-1963       Municipality:       Source Date         Sorig Ground Surface       UTM Zone:				Urban Geology A	utomated Informatio		Mean Average Sea Lever	
Confiden 1:       Logged by professional. Exact and complete description of material and properties.         Source List         Source Ist         Source Date:       Data Survey.         Source Date:       1956-1972         Source Name:       Urban Geology Automated Information System (UGAIS)         Source Originators:       Geological Survey of Canada         5       1 of 1         NE/54.7       61.9 / -1.00         Source Originators:       Cata Survey of Canada         5       1 of 1         Source Originators:       Cata Survey of Canada         5       1 of 1         Source Originators:       Cata Survey of Canada         5       1 of 1         Source Originators:       Contine LG:       No         Source Date:       105514267       Surve Elev:       No         Source Date:       215514267       Surve Elev:       No         Source Date:       OCT-1963       Municipality:       Surve Elev:       No         Source Date:       OCT-1963       Municipality:       Surve Elev:       No         Sorgeth Elev Reliabil Note:       Sourde DD:       45.389014       Sourde DD:       75.969337         Sorgeth Elev Reliabil Note:       Cound Surface								
Source Identifier:       1       Horizontal Datum:       NAD27         Source Iype:       1356-1972       Wertical Datum:       Projection Name:       Mean Average Sea Level         Source Originators:       Urban Geology Automated Information System (UGAIS)       Inviersal Transverse Mercator         Source Originators:       Urban Geology Automated Information System (UGAIS)       No         Source Originators:       Urban Geology Automated Information System (UGAIS)       No         Source Originators:       Geological Survey of Canada       ON         Source Originators:       612962       Inclin FLG:       No         OGF ID:       215514267       SP Status:       Intlial Entry         Status:       Surv Elev:       No       No         Status:       Surv Elev:       No       No         See:       OCT-1963       Municipality:       Lot:         Status:       Township:       Easting:       45,380014         See:       Ground Surface       UTM Anne:       13         Depth Ref:       Ground Surface       UTM Anne:       13         Diff Method:       Surv Elev:       Northing:       5026402         Orig Ground Elev m:       61.7       Accuracy:       Not Applicable         DEM							ial and properties.	
Source Type: Data Survey Vertical Datum: Projection Name: Universal Transverse Mercator Varies Universal Transverse Mercator Varies Urban Geology Automated Information System (UGAIS) Geological Survey of Canada Geological Surv	ource List							
Source Date: 1956-1972 Projection Name: Universal Transverse Mercator Source Name: Urban Geology Automated Information System (UGAIS) Geological Survey of Canada <u>5</u> 1 of 1 NE/54.7 61.9 / -1.00 ON Borehole ID: 612962 Inclin FLG: No OGF ID: 215514267 SP Status: Initial Entry Status: Survey Flev: No Prizometer: No Prizometer: No Prizometer: No Status: Correlation: UCT-1963 Lot: Township: Static Water Level: Township: Static Water Use: Township: Sec. Water Use: Township: Sec. Water Use: Township: Sec. Water Use: Township: Sec. Water Use: Township: Source DD: 45,389014 Total Depth m: 5 Depth Flev: Difference: 18 Depth Flev: Difference: 18 Depth Flev: Difference: 18 Depth Flev: Difference: 18 Depth Flev: Defference: 18 Defference: 18 Defferenc				201				
Scale or Resolution:       Varies       Urban Geology Automated Information System (UGAIS)         Source Originators:       Geological Survey of Canada         5       1 of 1       NE/54.7       61.9 / -1.00         Source Originators:       ON         Borehole ID:       612962       Inclin FLG:       No         DGF ID:       215514267       SP Status:       Initial Entry         Status:       Surve Elev:       No         Pype:       Borehole       Pizzometer:       No         Status:       OCT-1963       Municipality:       Status:         Sce. Water Level:       Township:       Sec.       Latitude DD:       45.389014         Sce. Water Use:       Township:       Sec.       Latitude DD:       45.389014         Total Depth m:       5       Longitude DD:       -75.696337       Depth Elev:         Orig Ground Elev m:       61.1       Locatin Accuracy:       Not Applicable         Drill Method:       O       Accuracy:       Not Applicable         Source Originators:       Status:       Material Moisture:       Material Moisture:         Source Originators:       9       Material Moisture:       Non Geo/far Type:         Sourehole Geology Stratum       0								
Source Name:       Urban Geology Automated Information System (UGAIS) Geological Survey of Canada         5       1 of 1       NE/54.7       61.9 / -1.00         5       1 of 1       NE/54.7       61.9 / -1.00         Borehole ID:       612962       Inclin FLG:       No         OGF ID:       215514267       SP Status:       Initial Entry         Status:       Borehole       Piezometer:       No         Type:       Borehole       Piezometer:       No         Use:       OCT-1963       Municipality:       Surve Ieve:         Status:       Tormship:       Lot:       Primary Mare:         Statue:       OCT-1963       Longitude DD:       45.389014         Statue:       Tormship:       Longitude DD:       -75.696337         Depth Ref:       Ground Surface       UTI Zone:       18         Depth Ref:       Ground Surface       UTI Zone:       18         Drill Method:       Northing:       5026402       OC         Orig Ground Elev m:       61.7       Coacetion Accuracy:       Not Applicable         DeM Ground Elev m:       61.7       Coacetion D:       Survey D:       Coation D:       Survey D:         Comments:       0       Material Moistu		tion:		12		Projection Name.		
Source Originators:       Geological Survey of Canada         §       1 of 1       NE/54.7       61.9 / -1.00         ON       ON         Borehole ID:       612962       Inclin FLG:       No         DOEF ID:       215514267       SP Status:       Initial Entry         Status:       Derehole       Prizzometer:       No         Type:       Borehole       Prizzometer:       No         Status:       OCT-1963       Municipality:       Status:         Static Water Use:       Township:       45.389014         Static Water Use:       Township:       45.389014         Source Orthogical Surface       UTM Zone:       18         Depth Elev:       No       Northing:       5026402         Orig Ground Elev m:       61.1       Location Accuracy:       Accuracy:       Not Applicable         Depth Ground Elev m:       61.7       Material Moisture:       Not Applicable         Survey D:       Comments:       Material Moisture:       Not Applicable         Borehole Geology Stratum ID:       218393161       Material Moisture:       Material Moisture:         Bothon Depth:       0       Material Moisture:       Non Geo Mat Type:       Material Color:         Mate			, and a	Urban Geology A	utomated Informatio	on System (UGAIS)		
ON         Borehole ID:       612962       Inclin FLG:       No         DGF ID:       215514267       SP Status:       Initial Entry         Status:       Initial Entry       SP Status:       Initial Entry         Type:       Borehole       Piezometer:       No         Jse:       OCT-1963       Municipality:       Status:       No         Status:       OCT-1963       Municipality:       Status:       Status:       No         Sec:       Water Level:       Lot:       Township:       Sec.       Se	ource Originat	tors:				, , ,		
DGF ID:       215514267       SP Status:       Initial Entry         Status:       Sur Elev:       No         Type:       Borehole       Piezometer:       No         Static Water Level:       OCT-1963       Municipality:       Static Water Level:         Static Water Level:       Completion Date:       OCT-1963       Municipality:         Static Water Level:       Township:       Sec. Water Use:       Township:         Sec. Water Use:       Township:       45.389014       Social Congitude DD:       -75.696337         Sopth Ref:       Ground Surface       UTM Zone:       18       Social Congitude DD:       -75.696337         Sopth Ref:       Ground Surface       UTM Zone:       18       Social Congitude DD:       -75.696337         Sopth Elev:       Desting:       445491       Social Congitude DD:       -75.696337         Orill Method:       Northing:       5026402       Social Congitude DD:       -75.696337         Orill Method:       Northing:       Social Congitude DD:       -75.696337       Detectic Congitude DD:       -75.696337         Opting Cound Elev m:       61.1       Location Accuracy:       Not Applicable       Detectic Congitude DD:       -75.69637         Soureey D:       Concession:	<u>5</u> 1	of 1		NE/54.7	61.9/-1.00	ON		BOR
Status:     Surv Elev:     No       Type:     Borehole     Piezometer:     No       Completion Date:     OCT-1963     Municipality:     Surve Vame:       Completion Date:     OCT-1963     Municipality:     Surve Vame:       Static Water Level:     Lot:     Primary Name:     Surve Vame:       Primary Water Use:     Township:     Sec.     Sec.       Sec. Water Use:     Congitude DD:     45.389014       Total Depth m:     5     Longitude DD:     -75.696337       Depth Elev:     Ground Surface     UTM Zone:     18       Depth Elev:     Northing:     5026402       Drill Method:     Northing:     5026402       Drill Method:     Northing:     5026402       Drill Method:     Accuracy:     Not Applicable       Depth Elev m:     61.7     Concession:       Location D:     Survey D:     Survey D:       Comments:     Secology Stratum     Secology Stratum       Secology Stratum ID:     218393161     Material Moisture:       Bottom Depth:     0     Material Moisture:       Southom Depth:     .8     Material Texture:       Material Color:     Non Geo Mat Type:       Material Color:     Kon Geologic Formation:	orehole ID:		612962			Inclin FLG:		
Type:BoreholePiezometer:NoUse:Primary Name:Completion Date:OCT-1963Completion Date:CoT-1963Static Water Level:Lot:Primary Water Use:Lot:Sec. Water Use:Township:Sec. Water Use:Longitude DD:Otal Depth m:5Depth Ref:Ground SurfaceDrill Method:Northing:Drill Method:Northing:Drill Method:61.1Drill Method:Not Accuracy:Drill Method:61.7Concession:Sarrey D:Survey D:Sarrey D:Comments:Sarrey D:Borehole Geology Stratum ID:218393161Botom Depth:.8Material Moisture:Material Moisture:Botom Depth:.8Material Color:Non Geo Mat Type:Material Color:Non Geologic Formation:			2155142	267			5	
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Bottom Depth:       .8       Material Texture:         Material Color:       Non Geo Mat Type:         Material 1:       Geologic Formation:				161		-		
Material Color:       Non Geo Mat Type:         Material 1:       Geologic Formation:								
Material 1: Geologic Formation:			.0					
			Concrete	9				
Material 3: Gravel Geologic Period:				-				
Material 4: Sand Depositional Gen:								
Gsc Material Description:	sc Material De	scription	:					
Stratum Description: ARTIFICIAL.	tratum Descrip	otion:		ARTIFICIAL.				

Geology Stratun Top Depth:					
Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Des	3 4.6 Sand Silt Gravel	164		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Dense
Stratum Descrip		SAND. DENSE.			
Geology Stratun Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Descrip	.8 2.3 Unknow Till scription:		NSE	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Dense
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<u>Source</u>					
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details: Confiden 1:	Data Su Geologia 1956-19 H	cal Survey of Canada 72 Urban Geology Auto File: OTTAWA2.txt f	RecordID: 05470	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: on System (UGAIS) 0 NTS_Sheet: 31G05G omplete description of mate	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level rial and properties.
<u>Source List</u>					
Source Identifiel Source Type: Source Date: Scale or Resolut Source Name:	Data Su 1956-19		omated Information	Horizontal Datum: Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator

Мар Кеу	Number Records		Elev/Diff ) (m)	Site		DE
Source Orig	inators:	Geological Surve	ey of Canada			
<u>6</u>	1 of 1	ENE/87.8	60.8 / -2.06	City of Ottawa Campus Avenue and Ottawa ON	University Drive	SPL
Ref No: Site No:		1302-6DKLHY		Discharger Report:	0 Oil	
Incident Dt: Year:		6/21/2005		Material Group: Health/Env Conseq: Client Type:		
Incident Cau Incident Eve Contaminan	ent:	Other Discharges		Sector Type: Sector Type: Agency Involved: Nearest Watercourse:	Other Motor Vehicle	
Contaminan Contaminan Contam Lim	nt Name: nt Limit 1: nit Freq 1:	GEAR OIL		Site Address: Site District Office: Site Postal Code:	Ottawa	
Contaminan Environmen Nature of Im	nt Impact: npact:	Not Anticipated		Site Region: Site Municipality: Site Lot:	Ottawa	
Receiving M Receiving E MOE Respo Dt MOE Arv	nv: nse:	Land		Site Conc: Northing: Easting: Site Geo Ref Accu:		
MOE Report Dt Documer Incident Rea Site Name:	nt Closed:	6/21/2005 Equipment Failure		Site Map Datum: SAC Action Class: Source Type: pus <unofficial></unofficial>	Spills to Land	
Site County, Site Geo Re Incident Sui Contaminan	f Meth: mmary:	OC Transpo, 3 g	all. gear oil to paver	nent		
<u>7</u>	1 of 1	ENE/98.9	60.9 / -2.00	Bronson Ave (Carleto OTTAWA ON	on Univ)	WDSI
Site No.: Region: County:		X1012 SOUTHEAST OTTAWA CARLI	ETON			
Concession Lot: Easting:	:	Bronson Ave (Ca 445550	arleton Univ)			
Northing: Zone: Date Closeo Status:	l:	5026150 18 1946 CLOSED				
Classificatio %Commeric %Domestic\ %LiquidWst	alWste: Wste Rec:		- HUMAN IMPACT-	URBAN MUNICIPAL/DOMES	STIC WASTE - CLOSED 10-20 YRS	
%Hazardous %Non-haz.V %Sewage/S	sWste Rec: Vste Rec: ludge Rec:	n/a n/a n/a				
%Other Wst	e Rec:	n/a				
<u>8</u>	1 of 2	NNW/113.9	61.9/-1.00	ON		BORE
Borehole ID OGF ID:	:	612972 215514277		Inclin FLG: SP Status:	No Initial Entry	
Status: Type:		Borehole		Surv Elev: Piezometer:	No No	

117

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· · · · · · · · · · · · · · · · · · ·	Number o Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site	D
Use:					Primary Name:	
Completion Da	ite:	JUN-1962			Municipality:	
Static Water Le					Lot:	
Primary Water					Township:	
Sec. Water Use					Latitude DD:	45.389629
Total Depth m:		51.8			Longitude DD:	-75.698771
Depth Ref:		Ground Su	rface		UTM Zone:	18
Depth Elev:					Easting:	445301
Drill Method:					Northing:	5026472
Orig Ground E	lev m:	76.2			Location Accuracy:	
Elev Reliabil N					Accuracy:	Not Applicable
DEM Ground E		64.1				
Concession:						
Location D:						
Survey D:						
Comments:						
Borehole Geole	ogy Stratur	<u>m</u>				
Geology Stratu	ım 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 D	escription					
Stratum Descri	iption:					RY STIFF. SILT. GREY,COMPACT. 0000004 ed [Stratum Description] field.
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Geology Stratu Top Depth:	ım ID:	* 218393199 0	*Note: Many record		department have a truncat Mat Consistency: Material Moisture:	
Geology Stratu Top Depth: Bottom Depth:	ım ID:	* 218393199 0 4.6	*Note: Many record		department have a truncat Mat Consistency: Material Moisture: Material Texture:	
Geology Stratu Top Depth: Bottom Depth: Material Color:	ım ID:	* 218393199 0 4.6 Blue	*Note: Many record		department have a truncat Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type:	
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Geology Stratu Top Depth: Bottom Depth: Material Color: Material 1: Material 2:	ım ID: escription:	* 218393199 0 4.6 Blue Clay Boulders	*Note: Many record		department have a truncat Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period:	
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Geology Stratu Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material D	Im ID: escription:	* 218393199 0 4.6 Blue Clay Boulders C C Data Surve	*Note: Many record ) CLAY. BLUE.		department have a truncat Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Source Appl:	
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Geology Stratu Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material D Stratum Descri <u>Source</u> Source Type: Source Orig:	Im ID: escription:	* 218393199 0 4.6 Blue Clay Boulders C C Data Surve	*Note: Many record CLAY. BLUE.		department have a truncat Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Source Appl:	ed [Stratum Description] field. Spatial/Tabular
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Geology Stratu Top Depth: Bottom Depth: Material Color: Material 1: Material 3: Material 3: Gsc Material D Stratum Descri Source Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name:	ım ID: escription: iption:	* 218393199 0 4.6 Blue Clay Boulders Clay Boulders C Data Surve Geological 1956-1972	*Note: Many record ) CLAY. BLUE. 29 Survey of Canada	s provided by the	department have a truncat Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: System (UGAIS)	ed [Stratum Description] field. Spatial/Tabular 1 Varies NAD27
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Static Valer Level: Northing NAD83:   Towing (YM): Zone:   Towing the line of the lin		Bedrock:				Concession Name:		
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Tow Take: Zone:   Tow Rate: UTM Reliability:      Sore Hole Information    Bore Hole Information    Soure Date:   Soure Date:   Cluster Kind:   Date Completed:   6/4/1962   UTMRC Desc:   margin of error: 100 m - 300 m   Remarks:   Every Desc:   Location Source Date:   mprovement Location Source:   mprovement Location Source:   supplier Comment:   Source Date:   Source Interval    Source Date:  Constitution ID: 931008726 Ager: 1 Source Bote: Constitution ID: 931008726 Ager: 1 Source Interval     Source Interval   Constitution ID: 931008726 Hole: Constitution ID: 931008726 Source Interval <p< td=""><td>Static Water</td><td>Level:</td><td></td><td></td><td></td><td></td><td></td><td></td></p<>	Static Water	Level:						
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Bare Hole Information         Bare Hole ID:       10030105       Elevation:       64.11267         DP2BR:       15       Zone:       18         Soude OB Desce:       Bedrock       Morth83:       5026472         Open Hole:       Org CS:       UTMRC Desc:       5         Date Completed:       6/4/1962       UTMRC Desc:       margin of error: 100 m - 300 m         Elevation Source Date:       mprovement Location Method:       p5         Source Revision Comment:       Surger Revision Comment:       Surger Revision Comment:         Source Revision Comment:       Surger Revision Comment:       Surger Revision Comment:         Portburden and Bedrock       Matrials       Surger Revision Comment:         Source Revision Comment:       Surger Revision Comment:       Surger Revision Comment:         Portburden and Bedrock       Matrials       Surger Revision Comment:         Source Revision Comment:       Surger Revision Comment:       Surger Revision Comment:         Source Revision Comment:       Surger Revision Comment:       Surger Revision Comment:         Source Revision Comment:       Surger Revision Comment:       Surger Revision Comment:         Surger:       1       Surger Revision Comment:       Surger Revision Comment:         Otor:       3	Flow Rate:					UTM Reliability:		
Bore Hole ID:       10030105       Elevation:       64.11267         P2BR:       15       Zone:       18         Sode OB:       r       East83:       445300.7         Sode OB Desc:       Bedrock       North83:       5026472         Open Hole:       Org CS:       UTMRC:       5         Zuster Kind:       UTMRC Desc:       margin of error: 100 m - 300 m         Zeatlo Source Date:       margin of error: 100 m - 300 m       Location Method:         Source Revision Comment:       Source Revision Comment:       Source Revision Comment:         Source Revision Comment:       Source Revision Comment:       Source Revision Comment:         Source Color:       1       3       Source Revision Comment:         Source Revision Comment:       Source Revision Comment:       Source Revision Comment:         Source Revision Comment:       Source Revision Comment:       Source Revision Comment:         Source Revision Comment:       Source Revision Comment:       Source Revision Comment:         Source Revision Comment:       Source Revision Comment:       Source Revision Comment:         Source Revision Comment:       Source Revision Comment:       Source Revision Comment:         Source Revision Comment:       Source Revision Comment:       Source Revision Comment: <td>Clear/Cloudy</td> <td>/:</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Clear/Cloudy	/:						
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Spatial Status: Zone: 18   Code OB: r East83: 445300.7   Code OB Desc: Bedrock North83: 5026472   Open Hole: Org CS: 5   Duster Kind: UTMRC: 5   Date Completed: 6/4/1962 UTMRC Desc: margin of error: 100 m - 300 m   Remarks: Location Method: p5   Source Date: margin of error: 100 m - 300 m Location Method:   Source Date: margin of error: 100 m - 300 m Location Method:   Source Date: margin of error: 100 m - 300 m Source Date:   mprovement Location Nethod: p5 Source Date:   Source Revision Comment: Source Revision Comment: Source Revision Comment:   Super: 1 0   Source: 1		):		95			64.11267	
Code OB:       r       East83:       445300.7         Code OB Desc:       Bedrock       North83:       5026472         Dopen Hole:       Org CS:       UTMRC:       5         Cluster Kind:       UTMRC:       5       5         Date Completed:       6/4/1962       UTMRC Desc:       margin of error: 100 m - 300 m         Cacation Source Date:       utmRc Desc:       margin of error: 100 m - 300 m         Source Revision Comment:       Location Method:       p5         Source Revision Comment:       Source Revision Comment:       Source Revision Comment:         Supplier Comment:       931008726       Source Source:       Source Source:         Source Color:       3       Source Source:       Source:       Source:         Seneral Color:       BLUE       Source:       Source:       Source:         Watt:       05       Source:       Source:       Source:       Source:         Other Materials:       BOULDERS       Source:	)P2BR:		15			Elevrc:		
Sode OB Desc: Bedrock North83: 5026472   Org CS: Org CS:   UTMRC: 5   Date Completed: 6/4/1962   Date Completed: 6/4/1962   Bedrock UTMRC: 5   Jactorion Source Date: p5   inprovement Location Source: p3   mprovement Location Source: Source Partice   warder Comment: Source Revision Comment:   Source Revision Comment: Source Revision Comment:   Source Revision Comment: Source Revision Comment:   Source Revision		is:				Zone:		
Open Hole::::::::::::::::::::::::::::::::::::								
Chuster Kind:     UTMRC:     5       Date Completed:     6/4/1962     UTMRC Desc:     margin of error:     100 m - 300 m       Remarks:     Location Method:     p5       Location Source Date:     mprovement Location Method:     p5       Journame Descion Comment:     Source Ravies     Source Ravies       Source Ravies     Variance Date:     p5       Materials Interval     Source Ravies     Source Ravies       Tormation ID:     931008726     Source Ravies       ayer:     1     Source Ravies     Source Ravies       Solor:     3     Source Ravies     Source Ravies       Source Color:     1     Source Ravies     Source Ravies       Materials     O5     Source Ravies     Source Ravies       Materials:     Source Ravies     Source Ravies     Source Ravies       Source Ravies     10     Source Ravies     Source Ravies       Source Ravies     Source Ravies     Source Ravies		sc:	Bedrock				5026472	
Date Completed: 6/4/1962 UTMRC Desc: margin of error : 100 m - 300 m Remarks: Location Method: p5 Secret Desc: Location Source Date: mprovement Location Method: Source Revision Comment: Supplier Comment: Dermation ID: 931008726 Layer: 1 Solor: 3 Seneral Color: BLUE Matt: 05 Most Common Material: CLAY Materials: BOULDERS Mat2: 13 Other Materials: BOULDERS Mat3: Dermation End Depth: 0 Formation End Depth: 0 Formation End Depth: 15 Formation End Dept								
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Source Revision Comment:         Supplier Comment:         Supplier Comment:         Querburden and Bedrock.         Materials Interval         Formation ID:       931008726         Layer:       1         Color:       3         General Color:       BLUE         Watt:       05         Most Common Material:       CLAY         Wat2:       13         Other Materials:       BOULDERS         Wat3:       Top Depth:         Other Materials:       0         Formation Top Depth:       0         Formation End Depth:       15         Formation End Depth UOM:       ft								
Supplier Comment:         Dverburden and Bedrock.         Materials Interval         Formation ID:       931008726         Layer:       1         Color:       3         General Color:       BLUE         Watt:       05         Vost Common Material:       CLAY         Wat2:       13         Other Materials:       BOULDERS         Wat3:       T         Formation Top Depth:       0         Formation End Depth:       15         Formation End Depth:       15         Formation End Depth:       15         Verburden and Bedrock.       Katerials Interval								
Dverburden and Bedrock.         Materials Interval         Formation ID:       931008726         Layer:       1         Color:       3         General Color:       BLUE         Wat1:       05         Vost Common Material:       CLAY         Wat2:       13         Other Materials:       BOULDERS         Wat3:       U         Tormation Top Depth:       0         Formation End Depth:       15         Formation End Depth UOM:       tt			ent:					
Materials Interval         Formation ID:       931008726         Layer:       1         Color:       3         General Color:       BLUE         Mat1:       05         Most Common Material:       CLAY         Mat2:       13         Other Materials:       BOULDERS         Mat3:       E         Other Materials:       0         Formation Top Depth:       0         Formation End Depth       15         Formation End Depth UOM:       t	Supplier Con	nment:						
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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		on Material						
Dther Materials:       BOULDERS         Mat3:       Image: Contraction State Stat		on material.						
Mat3:         Other Materials:         Formation Top Depth:       0         Formation End Depth:       15         Formation End Depth UOM:       ft         Overburden and Bedrock         Materials Interval		als						
Other Materials:         Formation Top Depth:       0         Formation End Depth:       15         Formation End Depth UOM:       ft         Overburden and Bedrock       Materials Interval				JUULDERO				
Formation Top Depth:       0         Formation End Depth:       15         Formation End Depth UOM:       ft         Overburden and Bedrock       Materials Interval		als						
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Materials Interval			ОМ:					
			<u>.</u>					
				931008727				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		2			
Color: General Colo		2 GREY			
Mat1:	и.	15			
Most Commo	on Material:	LIMESTONE			
Mat2:		LINEOFORE			
Other Materia	als:				
Mat3:					
Other Materia	als:				
Formation To		15			
Formation E	nd Depth:	170			
Formation Ei	nd Depth UOM:	ft			
<u>Method of Co Use</u>	onstruction & Well				
Method Cons					
	struction Code:	1			
Method Cons		Cable Tool			
Other Metho	d Construction:				
<u>Pipe Informa</u>	<u>tion</u>				
Pipe ID:		10578675			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction</u>	n Record - Casing				
Casing ID:		930052867			
Layer:		1			
Material:		1			
Open Hole of		STEEL			
Depth From:		20			
Depth To: Casing Diam	otori	28 6			
Casing Diam		inch			
Casing Dept		ft			
<u>Construction</u>	Record - Casing				
Casing ID:		930052868			
Layer:		2			
Material:		4			
Open Hole of		OPEN HOLE			
Depth From:		170			
Depth To:	- 4	170			
Casing Diam	eter: otor UOM:	6 inch			
Casing Diam Casing Deptl	h UOM:	inch ft			
<u>Results of W</u>	ell Yield Testing				
Pump Test IL		991508070			
Pump Set At.	:	00			
Static Level:		23			

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Levels UOM: Rate UOM: Water State J Water State J Pumping Tes Pumping Du Pumping Du Flowing:	After Test Code: After Test: st Method: ration HR:	ft GPM 1 CLEAR 1 1 0 N			
Water Details	5				
Water ID: Layer: Kind Code: Kind: Water Found Water Found	l Depth: I Depth UOM:	933462427 2 5 Not stated 120 ft			
Water Details	<u>5</u>				
Water ID: Layer: Kind Code: Kind: Water Found Water Found	l Depth: I Depth UOM:	933462429 4 5 Not stated 165 ft			
Water Details	5				
Water ID: Layer: Kind Code: Kind: Water Found Water Found	l Depth: I Depth UOM:	933462426 1 FRESH 50 ft			
Water Details	<u>5</u>				
Water ID: Layer: Kind Code: Kind: Water Found Water Found	l Depth: l Depth UOM:	933462428 3 5 Not stated 150 ft			
<u>9</u>	1 of 1	ENE/122.3	60.9/-2.00	Carleton Univ Dump	ANDR
				Ottawa ON K1S 5B6	
Legal Descri Location Des Municipality: Current Mun RM: Facility: Date Active: Date Begun: Date Comple Area (Ha): Landfill Type Group Name	scription: icipality: ste: s:	Gloucester Bronson Ave (Carld Dr*, an area of dep Ottawa City Ottawa City Ottawa-Carleton R Dump 1946 1946	ression contours	25m E of CNR R-O-W, 125m WSW of Bronson	Ave*, 325m N of Colonel By

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Operated By: Serial: NTS: Diameter (m):		MOEE 1012 31G05			

## 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 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 [1983 NTS Map Ottawa-Hull Sheet 31G05 edition 9 (air photos 1967)]. 1978 NTS Map 31G05 Not marked [1983 NTS Map Ottawa-Hull Sheet 31G05 edition 9 (air photos 1975, culture check 1979, publication 1983 )]. 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 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 1974, culture check 1985, publication 1987 )]. \*[1992] MapArt Corporation Ontario, Towns and Cities [Street Atlas].

Waste Type: UTM X Nad 27: UTM Y Nad 27: UTM Zone:	445550 5026150 18			
<u>10</u> 1 of 2	NE/147.4	60.9/-2.00	1125 Colonel By Dr Ottawa ON K1S5B6	EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordered	20161003158 C Standard Report 11-OCT-16 03-OCT-16	ial Photos	Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON .25 -75.698076 45.381344
<u>10</u> 2 of 2	NE/147.4	60.9 / -2.00	CARLETON UNIVERS 1125 COLONEL BY D OTTAWA ON K1S5B6	RIVE NOT AVAILABLE NPRI
NPRI ID: Other ID: No Other ID: Track ID: Report ID: Report Type: Rpt Type ID: Report Year: Not-Current Rpt?: Yr of Last Filed Rpt: Fac ID: Fac Name: Fac Address1: Fac Address2: Fac Postal Zip: Facility Lat: Facility Long: DLS (Last Filed Rpt): Facility DLS: Datum: Facility Cmnts:	10602 N 62893 123174 NPRI 1 2008 No 2008 153290 CARLETON UNIVERSITY 1125 COLONEL BY DRIVE NOT AVAILABLE K1S5B6 45.3854 -75.6961		Org ID: Submit Date: Last Modified: Contact ID: Cont Type: Contact Title: Cont First Name: Cont Last Name: Contact Position: Contact Fax: Contact FAX: Contact FAX: Contact FAI: Contact EXI: Contact EXI: Contact Fax: Contact Email: Latitude: Longitude: UTM Zone: UTM Northing:	41617 5/15/2009 5/29/2015 3:28:24 PM 215748 MED STEPHANIE YOURTH MANAGER OF ENVIRONMENTAL HEALTH & SAFETY 6135202122 6135201600 613 35201600 3809 613 35202122 STEPHANIE_YOURTH@CARLETON.CA 45.3854 -75.6961

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DI
No of Empl.:	18450			Waste Streams:	No	
Parent Co.:	N			No Streams:		
No Parent Co.	:			Waste Off Sites:	No	
Pollut Prev Cr	mnts: No			No Off Sites:		
Stacks:	No			Shutdown:	No	
No of Stacks:				No of Shutdown:		
Canadian SIC	Code (2 digit):					
Canadian SIC	Code:					
SIC Code Des						
American SIC						
NAICS Code (		61				
NAICS 2 Desc		Educational service	s			
NAICS Code (		6113	•			
NAICS Code (	• /	Universities				
NAICS & Desc		611310				
NAICS Code ( NAICS 6 Desc		Universities				
NAICS 0 Desc	inpuon.	Universities				
Substance Re	elease Report					
Category Type		1				
Category Type		Stack / Point				
Category Type	e Desc (fr):	Rejets de cheminée	e ou ponctuels			
Grouping:		Total Air				
Trans Code:		ASta				
Chem:		Nitrogen oxides (ex	pressed as NO2	)		
Chem (fr):		Oxydes d'azote (ex	primés en NO2)			
Quantity:		23.851				
Unit:		tonnes				
Basis of Estin	nate Cd:	E2				
Basis of Estin	nate Desc:	E2- Published Emis	sion Factors - In	use from 2003 and onward	ď	
Category Type		13				
Category Type		All Media				
Category Type	e Desc (fr):	Rejets à tous les m	édias			
Grouping:	. ,	Total All Media<1t				
Trans Code:						
Chem:		PM2.5 - Particulate	Matter <= 2.5 M	icrons		
Chem (fr):		PM2,5 - Matière pa				
Quantity:		.393	2,01			
Quantity. Unit:		tonnes				
Basis of Estin	nato Cd:	Connoo				
Basis of Estin Basis of Estin						
	4 - 6 4	14/4 55 2	64.6 / 4.96			
<u>11</u>	1 of 1	W/155.3	61.6/-1.26	ON		BOR

<u> </u>		ON		BOR
Borehole ID:	612956	Inclin FLG:	No	
OGF ID:	215514261	SP Status:	Initial Entry	
Status:		Surv Elev:	No	
Туре:	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:				
Completion Date: Static Water Level: Primary Water Use: Sec. Water Use: Total Depth m: Depth Ref: Depth Ref: Depth Elev: Drill Method: Orig Ground Elev m: Elev Reliabil Note: DEM Ground Elev m: Concession:	6.7 Ground Surface 64.6	Municipality: Lot: Township: Latitude DD: Longitude DD: UTM Zone: Easting: Northing: Location Accuracy:	-75.700675 18 445151 5026362	

	Records	of	Direction/ Distance (m	Elev/Diff ) (m)	Site		D
Survey D: Comments:							
Borehole Geo	logy Stratu	<u>ım</u>					
Geology Strat	um ID:	218393138	8		Mat Consistency:	Compact	
Top Depth: Bottom Depth		4.9 6.7			Material Moisture: 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: Gsc Material L	Description				Depositional Gen:		
Stratum Desci			SILT. GREY.COM	APACT. 000000050	00055008001600150060001	000800050005000650100018001619	VERY
			DENSE.				
Geology Strat	um ID:	218393136	6		Mat Consistency:	Loose	
Top Depth: Bottom Depth		0 1.7			Material Moisture: Material Texture:		
Material Color		Brown			Non Geo Mat Type:		
Material 1:		2.0111			Geologic Formation:		
Material 2:		Silt			Geologic Group:		
Material 3:		Sand			Geologic Period:		
Material 4:		Gravel			Depositional Gen:		
Gsc Material L Stratum Desci			ARTIFICIAL. BRO	OWN,GREY,LOOS	E.		
Geology Strat	um ID:	218393137	7		Mat Consistency:	Compact	
Top Depth:		1.7			Material Moisture:		
Bottom Depth Material Color		4.9 Brown			Material Texture:		
Material 1:		Silt			Non Geo Mat Type: Geologic Formation:		
Material 2:		Sand			Geologic Group:		
Material 3:		Gravel			Geologic Period:		
Material 4:					Depositional Gen:		
Gsc Material L Stratum Desci			SILT. BROWN,G	REY, VERY LOOSE	E,COMPACT.		
<u>Source</u>							
Source Type:		Data Surve	әу		Source Appl:	Spatial/Tabular	
Source Orig:			Survey of Canad	da	Source Iden:	1	
Source Date:		1956-1972	2		Scale or Res:	Varies	
Confidence:		Н			Horizontal:	NAD27	
Observatio: Source Name:			Irban Geology A	utomated Informatio	Verticalda: on System (UGAIS)	Mean Average Sea Level	
Source Name. Source Details					0 NTS Sheet: 31G05G		
Confiden 1:					omplete description of mater	ial and properties.	
<u>Source List</u>							
Source Identif	ier:	1			Horizontal Datum:	NAD27	
Source Type:		Data Surve	әу		Vertical Datum:	Mean Average Sea Level	
Source Date:		1956-1972	2		Projection Name:	Universal Transverse Mercator	
Scale or Reso		Varies	Irban Coology A	utomated Informati	on System (UCAIS)		
Source Name: Source Origin			Geological Surve		on System (UGAIS)		
	1 of 1		SW/165.2	65.9 / 3.00			BOF
12	1011						

erisinfo.com | Environmental Risk Information Services

Map Key	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	Di
Borehole ID:		612939			Inclin FLG:	No
OGF ID:		215514245	j -		SP Status:	Initial Entry
Status:					Surv Elev:	No
Туре:		Borehole			Piezometer:	No
Use:					Primary Name:	
Completion Da		JUL-1972			Municipality:	
Static Water Lo		8.7			Lot:	
Primary Water					Township:	45.00704
Sec. Water Us					Latitude DD:	45.38701
Total Depth m:		5.5 Crossed Com			Longitude DD:	-75.700144
Depth Ref:		Ground Su	пасе		UTM Zone:	18
Depth Elev:					Easting:	445191
Drill Method:	lovm	64			Northing:	5026182
Orig Ground E Elev Reliabil N		04			Location Accuracy: Accuracy:	Not Applicable
DEM Ground E		64			Accuracy.	Not Applicable
Concession:	lev III.	04				
Location D:						
Survey D:						
Comments:						
Borehole Geol	ogy Stratu	<u>ım</u>				
Geology Strate	um ID:	218393058	ŝ		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-bear	ing		Geologic Group:	
Material 3:					Geologic Period:	
Material 4:		-			Depositional Gen:	
Gsc Material D Stratum Descr			VATER.			
Geology Strati	um 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 D Stratum Descr			SILT. DARK, GREY,	VERY LOOSE.		
Geology Strati	um ID:	218393060	)		Mat Consistency:	Compact
Top Depth:		3.7			Material Moisture:	
төр Берш.		5.5			Material Texture:	
					Non Geo Mat Type:	
Bottom Depth:		Grey				
Bottom Depth: Material Color					Geologic Formation:	
Bottom Depth: Material Color Material 1:		Grey Silt Sand			Geologic Group:	
Bottom Depth: Material Color: Material 1: Material 2: Material 3:		Grey Silt			Geologic Group: Geologic Period:	
Bottom Depth: Material Color Material 1: Material 2: Material 3: Material 4:	:	Grey Silt Sand Till			Geologic Group:	
Bottom Depth: Material Color. Material 1: Material 2: Material 3: Material 4: Gsc Material D	: Description	Grey Silt Sand Till			Geologic Group: Geologic Period: Depositional Gen:	
Bottom Depth: Material Color. Material 1: Material 2: Material 3: Material 4: Gsc Material D	: Description	Grey Silt Sand Till			Geologic Group: Geologic Period: Depositional Gen: 20028ILL. FIRM. WATER S	STABLE AT 181.4 FEET.BOULDERS. VERY truncated [Stratum Description] field.
Bottom Depth: Material Color. Material 1: Material 2: Material 3: Material 4: Gsc Material D Stratum Descr	: Description	Grey Silt Sand Till			Geologic Group: Geologic Period: Depositional Gen: 20028ILL. FIRM. WATER S	
Bottom Depth: Material Color. Material 1: Material 2: Material 3: Material 4: Gsc Material D Stratum Descr <u>Source</u> Source Type:	: Description	Grey Silt Sand Till : S Data Surve	DENS **Note: Many		Geologic Group: Geologic Period: Depositional Gen: 20028ILL. FIRM. WATER S by the department have a Source Appl:	truncated [Stratum Description] field. Spatial/Tabular
Bottom Depth: Material Color. Material 1: Material 2: Material 3: Material 4: Gsc Material D Stratum Descr <u>Source</u> Source Type: Source Orig:	: Description	Grey Silt Sand Till : : : : : : : : : : : : : : : : : :	DENS **Note: Many ey Survey of Canada		Geologic Group: Geologic Period: Depositional Gen: 20028ILL. FIRM. WATER S by the department have a Source Appl: Source Iden:	truncated [Stratum Description] field. Spatial/Tabular 1
Bottom Depth: Material Color. Material 1: Material 2: Material 3: Material 4: Gsc Material D Stratum Descr Source Source Type: Source Orig: Source Date:	: Description	Grey Silt Sand Till C Data Surve Geological 1956-1972	DENS **Note: Many ey Survey of Canada		Geologic Group: Geologic Period: Depositional Gen: 20028ILL. FIRM. WATER S by the department have a Source Appl:	truncated [Stratum Description] field. Spatial/Tabular 1 Varies
Bottom Depth: Material Color. Material 1: Material 2: Material 3: Material 4: Gsc Material D Stratum Descr Source Source Type: Source Orig: Source Date: Confidence: Observatio:	: Description	Grey Silt Sand Till : : : : : : : : : : : : : : : : : :	DENS **Note: Many ey Survey of Canada		Geologic Group: Geologic Period: Depositional Gen: 20028ILL. FIRM. WATER S by the department have a Source Appl: Source Iden:	truncated [Stratum Description] field. Spatial/Tabular 1

Map Key	Number o Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site		DI
Source Name: Source Details Confiden 1:			File: OTTAWA2.tx	RecordID: 05447	on System (UGAIS) 0 NTS_Sheet: 31G05G omplete description of mate	erial and properties.	
Source List							
Source Identifi Source Type: Source Date: Scale or Resol Source Name: Source Origina	lution:	1 Data Sur 1956-197 Varies	72		Horizontal Datum: Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator	
<u>13</u>	1 of 2		SSW/169.5	65.9 / 3.04	ON		ww
Well ID: Construction I Primary Water Sec. Water Use Final Well Stat Water Type: Casing Materia Audit No: Tag: Construction M Elevation (m): Elevation Relia Depth to Bedro Well Depth: Overburden/Be Pump Rate: Static Wate Le Flow Rate: Clear/Cloudy:	Date: • Use: e: tus: al: Method: ability: ock: edrock: evel:	1508071 Public 0 Water Su			Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 12/3/1963 Yes 1802 1 OTTAWA-CARLETON OTTAWA CITY	
Bore Hole Info	ormation						
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc Open Hole: Cluster Kind: Date Complete Remarks: Elevrc Desc: Location Sourd Improvement L Source Revisio Supplier Comm	: ce Date: Location So Location Mo on Commen	ethod:			Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	64.078811 18 445330.7 5026112 5 margin of error : 100 m - 300 m p5	
Overburden an Materials Inter		<u>.</u>					
Formation ID: Layer: Color: General Color:	:		931008728 1				
126	arisinfo cor	n   Envir	onmental Risk Inf	ormation Servic		Order No: 20190	02001

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1: Most Commo Mat2:		05 CLAY			
Other Materia Mat3:	als:				
Other Materia		0			
Formation To Formation El		0 20			
Formation E	nd Depth UOM:	ft			
<u>Overburden</u> Materials Inte	and Bedrock_ erval				
Formation ID	):	931008729 2			
Layer: Color:		Z			
General Colo	or:				
Mat1: Most Commo	on Material:	15 LIMESTONE			
Mat2:		01014			
Other Materia Mat3:	als:				
Other Materia	als:				
Formation To	op Depth:	20			
Formation El	nd Depth: nd Depth UOM:	215 ft			
<u>Method of Co Use</u>	onstruction & Well				
Method Cons	struction Code:	1 Cable Tool			
<u>Pipe Informa</u>	<u>tion</u>				
Pipe ID:		10578676			
Casing No: Comment: Alt Name:		1			
<u>Construction</u>	Record - Casing				
Casing ID:		930052870			
Layer: Material:		2 4			
Depth From:		4 OPEN HOLE			
Depth To:		215			
Casing Diam Casing Diam		6 inch			
Casing Diam Casing Dept	h UOM:	ft			
<u>Construction</u>	Record - Casing				
Casing ID:		930052869			
Layer:		1			
Material: Open Hole of	r Material:	1 STEEL			
Depth From:					
Depth To:		90			

Map Key	Number o Records	f Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Casing Diam Casing Diam Casing Depti	eter UOM:	6 inch ft				
<u>Results of W</u>	ell Yield Testi	ng				
Recommend Pumping Rate Flowing Rate Recommend Levels UOM: Rate UOM: Water State A Water State A Pumping Tes Pumping Dui Pumping Dui	fter Pumping: ed Pump Dept e: : ed Pump Rate After Test Cod After Test: at Method: ration HR:	th: 200 30 ft GPM fe: 1 CLEAR 1 1 0				
Flowing:		Ν				
Water Details Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth:	933462431 2 1 FRESH 150 ft				
Water Details	<u>i</u>					
Water ID: Layer: Kind Code: Kind: Water Found Water Found		933462432 3 1 FRESH 200 ft				
Water Details	<u>i</u>					
Water ID: Layer: Kind Code: Kind: Water Found Water Found		933462430 1 1 FRESH 80 ft				
<u>13</u>	2 of 2	SSW/169.5	65.9 / 3.04	ON		WWIS
Well ID: Construction Primary Wate Sec. Water U Final Well Sta Water Type: Casing Mater Audit No: Tag:	Date: er Use: P se: 0 atus: V	508072 ublic /ater Supply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name:	1 12/3/1963 Yes 1802 1	

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Construction I Elevation (m): Elevation Relia Depth to Bedro Well Depth: Overburden/Ba Pump Rate: Static Water Lo Flowing (Y/N): Flow Rate: Clear/Cloudy:	ability: ock: edrock: evel:			County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	OTTAWA-CARLETON OTTAWA CITY	
Bore Hole Info	ormation					
	r Bedrock 8/20/196 ce Date: Location Source: Location Method: on Comment: ment:			Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	64.078811 18 445330.7 5026112 5 margin of error : 100 m - 300 m p5	
Formation ID: Layer: Color: General Color: Mat1:		931008730 1 05				
Most Common Mat2: Other Material: Mat3: Other Material: Formation Top Formation End Formation End	s: b Depth: d Depth:	CLAY 0 20 ft				
<u>Overburden ar</u> Materials Inter						
Formation ID: Layer: Color: General Color: Mat1: Most Common Mat2: Other Material: Mat3: Other Material:	n Material: s:	931008731 2 15 LIMESTONE				
Formation Enc Formation Enc	Depth: Depth:	20 215 ft				

Method of Construction & Well Use	
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	1 Cable Tool
Pipe Information	
Pipe ID: Casing No: Comment: Alt Name:	10578677 1
Construction Record - Casing	
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	930052872 2 4 OPEN HOLE 215 6 inch ft
Construction Record - Casing	
Casing ID: Layer: Material:	930052871 1 1

ousing ib.	00000201
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:	Ν

## Water Details

Map Key	Numbe Record		Elev/Diff (m)	Site		DB
Water ID: Layer: Kind Code: Kind: Water Found Water Found		933462433 1 1 FRESH 80 <b>M:</b> ft				
<u>14</u>	1 of 2	NE/170.7	60.6 / -2.31	CARLETON UNIVER: 1125 COL. BY DR., H OTTAWA CITY ON		ĊA
Certificate # Application Issue Date: Approval Ty Status: Application Client Name Client Addre Client City:	Year: pe: Type: : sss:	8-4119-95- 95 9/5/1995 Industrial air Approved				
Client Posta Project Desc Contaminan Emission Co	cription: ts:	NEW EXHAUST S	STACK FOR RADI	OISOTOPE HOOD		
<u>14</u>	2 of 2	NE/170.7	60.6 / -2.31	CARLETON UNIVERS 1125 COL. BY DR.,HL OTTAWA CITY ON		CA
Certificate # Application Issue Date: Approval Ty Status: Application Client Name Client Addre	Year: pe: Type: :	8-4118-95- 95 9/5/1995 Industrial air Approved				
Client City: Client Posta Project Desc Contaminan Emission Co	cription: ts:	INSTALL VENT S	TACK AT HERZBI	ERG LAB.		
<u>15</u>	1 of 1	NNE/183.5	63.2 / 0.30	1125 Colonel By Driv Ottawa ON K1S 5B6	e	EHS
Order No: Status: Report Type Report Date Date Receive Previous Sit Lot/Building Additional Ir	: ed: e Name: Size:	20190509006 C Custom Report 13-MAY-19 09-MAY-19		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON .25 -75.69674 45.390662	
<u>16</u>	1 of 1	W/186.2	64.8 / 1.87	ON		BORE
Borehole ID: OGF ID:		612953 215514258		Inclin FLG: SP Status:	No Initial Entry	
131	erisinfo.co	om   Environmental Risk In	formation Servic	es		Order No: 20190920010

Map Key	Number of Records	Direction/ Distance (m	Elev/Diff ) (m)	Site	I
Status:				Surv Elev:	No
Туре:	Во	rehole		Piezometer:	No
Use:				Primary Name:	
Completion D		L-1972		Municipality:	
Static Water L				Lot:	
Primary Wate				Township:	45 000005
Sec. Water Us				Latitude DD:	45.388265
Total Depth n				Longitude DD:	-75.701054
Depth Ref:	Gro	ound Surface		UTM Zone:	18
Depth Elev:				Easting:	445121
Drill Method:	Elev m: 64.	6		Northing: Location Accuracy:	5026322
Orig Ground I Elev Reliabil I		.0		Accuracy:	Not Applicable
DEM Ground		٥		Accuracy.	Not Applicable
Concession:		.0			
Location D:					
Survey D:					
Comments:					
Borehole Geo	logy Stratum				
Geology Strat		8393123		Mat Consistency:	
Top Depth:	0	0000120		Material Moisture:	
Bottom Depth				Material Texture:	
Material Color	-			Non Geo Mat Type:	
Material 1:		known		Geologic Formation:	
Material 2:	So			Geologic Group:	
Material 3:	00			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material	Description:				
Stratum Desc		UNSPECIFIED.			
Geology Strat	tum ID: 218	8393124		Mat Consistency:	Loose
Top Depth:	.3			Material Moisture:	
Bottom Depth	<b>n:</b> 1.5	5		Material Texture:	
Material Colo	r: Bro	own		Non Geo Mat Type:	
Material 1:				Geologic Formation:	
Material 2:	Cla	5		Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:	Ro	ots		Depositional Gen:	
Gsc Material I Stratum Desc		ARTIFICIAL. BRO	OWNLOOSE		
Geology Strat		8393126		Mat Consistency:	Stiff
Top Depth:	2			Material Moisture:	
Bottom Depth				Material Texture:	
Material Color		own		Non Geo Mat Type:	
Material 1:	Cla			Geologic Formation:	
Material 2:	Silt Sa			Geologic Group: Geologic Period:	
Material 3:	58	nu			
Material 4: Gsc Material I	Description			Depositional Gen:	
Stratum Desc		CLAY. BROWN,C	GREY, STIFF TO V	ERY STIFF.	
Geology Strat		8393127		Mat Consistency:	Compact
Top Depth:	5.5			Material Moisture:	
Bottom Depth				Material Texture:	
Material Colo				Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Sa			Geologic Group:	
Material 3:	Till			Geologic Period:	
Material 4:				Depositional Gen:	
Ger Material	Description:				
Stratum Desc					00018001619VERY DENSE. 00010 013 0002

Мар Кеу	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DI
Geology Strat Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material 1	n: r:	21839312 1.5 2 Clay Silt Alluvion	5		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:		
Stratum Desc			CLAY.				
<u>Source</u>							
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name Source Detail Confiden 1:	:	1956-1972 H	ll Survey of Canad 2 Urban Geology Au File: OTTAWA2.b	utomated Informati t RecordID: 05461	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: on System (UGAIS) 0 NTS_Sheet: 31G05G complete description of mater	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level rial and properties.	
Source List							
Source Identi Source Type: Source Date: Scale or Resc Source Name Source Origin	olution: :		2		Horizontal Datum: Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator	
<u>17</u>	1 of 1		WSW/190.5	65.2 / 2.34	ON		BOR
Borehole ID: OGF ID: Status: Type: Use: Completion D Static Water I Primary Wate Sec. Water Us Cotal Depth Ref: Depth Ref: Depth Ref: Depth Elev: Drill Method: Orig Ground I Elev Reliabil I DEM Ground Concession: Location D: Survey D: Comments:	Level: r Use: se: n: Elev m: Note:	612950 21551425 Borehole JUL-1922 6.6 Ground S 64.6 65			Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality: Lot: Township: Latitude DD: Longitude DD: UTM Zone: Easting: Northing: Location Accuracy: Accuracy:	No Initial Entry No No 45.387725 -75.700919 18 445131 5026262 Not Applicable	
Borehole Geo	ology Strat	<u>um</u>					
Geology Strat Top Depth: Bottom Depth Material Colo	n:	21839311 .3 1.5 Brown	2		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type:	Compact	

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	DE
Material 1: Material 2:		Clay			Geologic Formation: Geologic Group:	
Material 3:		Silt			Geologic Period:	
Material 4:					Depositional Gen:	
Gsc Material	•					
Stratum Deso	cription:		ARTIFICIAL. BROW	/N,LOOSE TO CO	OMPACT.	
Geology Stra	atum ID:	21839311	4		Mat Consistency:	Stiff
Top Depth: Bottom Dept	<i>b</i> ·	1.7 4.3			Material Moisture: Material Texture:	
Material Cold		4.3 Brown			Non Geo Mat Type:	
Material 1:	<i>"</i> .	Clay			Geologic Formation:	
Material 2:		Silt			Geologic Group:	
Material 3:		Sand			Geologic Period:	
Material 4:					Depositional Gen:	
Gsc Material			CLAY. BROWN,GR			
Stratum Deso	cription.			LI,VERT SHFF.		
Geology Stra	atum ID:	21839311	3		Mat Consistency:	
Top Depth:	<b>.</b> .	1.5			Material Moisture:	
Bottom Dept Material Colo		1.7			Material Texture:	
Material Cold	Dr.	Organic			Non Geo Mat Type: Geologic Formation:	
Material 2:		Silt			Geologic Group:	
Material 3:		Ont			Geologic Period:	
Material 4:					Depositional Gen:	organic
Gsc Material	Description	ı:				
Stratum Dese			ORGANIC.			
Geology Stra	atum ID:	21839311	5		Mat Consistency:	Compact
Top Depth:		4.3			Material Moisture:	
Bottom Dept		6.6			Material Texture:	
Material Colo	or:	Grey			Non Geo Mat Type:	
Material 1:		Silt Sand			Geologic Formation:	
Material 2: Material 3:		Till			Geologic Group: Geologic Period:	
Material 3.		110			Depositional Gen:	
Gsc Material	Description	<i></i>			Depositional Gen.	
Stratum Des			SILT GREY COMP.	ACT 000000100	0010011000500080005701	500140019VERY DENSE. 00010 013 00025 02
on atam Dest	cription.					ed [Stratum Description] field.
Geology Stra	atum ID:	21839311	1		Mat Consistency:	
Top Depth:		0			Material Moisture:	
Bottom Dept	h:	.3			Material Texture:	
Material Colo	or:				Non Geo Mat Type:	
Material 1:		Unknown			Geologic Formation:	
Material 2:		Soil			Geologic Group:	
Material 3:					Geologic Period:	
Material 4: Geo Material	Description	••			Depositional Gen:	
Gsc Material Stratum Dese	-		UNSPECIFIED.			
Source						
		Data C			<b>•</b> • •	Ou officiary and an
Source Type		Data Surv			Source Appl:	Spatial/Tabular
Source Orig:		Geologica 1956-1972	al Survey of Canada		Source Iden:	1 Varias
Source Date: Confidence:		1956-1972 H	۷		Scale or Res: Horizontal:	Varies NAD27
Observatio:					Verticalda:	Madz7 Mean Average Sea Level
Source Name	o <i>•</i>		Urban Geology Auto	mated Informatio		Moan Average Oca Level
Source Name Source Detai					) NTS Sheet: 31G05G	
Confiden 1:					mplete description of materi	al and properties.
			33 j precessie		,	···· h · · · · · · · · · · · · · · · ·

## Source List

Map Key	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Source Ident Source Type		1 Data Sur			Horizontal Datum: Vertical Datum:	NAD27 Mean Average Sea Level	
Source Date		1956-197			Projection Name:	Universal Transverse Mercator	
Scale or Res		Varies			,		
Source Name			Urban Geology Auto		i System (UGAIS)		
Source Origi	inators:		Geological Survey of	of Canada			
<u>18</u>	1 of 1		WNW/205.5	61.7 / -1.17	ON		BORE
Borehole ID:		612973			Inclin FLG:	No	
OGF ID:		21551427	78		SP Status:	Initial Entry	
Status:					Surv Elev:	No	
Туре:		Borehole			Piezometer:	No	
Jse:	Deter	111 4070	, ,		Primary Name:		
Completion I		JUL-1972	2		Municipality:		
Static Water Primary Wat					Lot: Township:		
Sec. Water U					Latitude DD:	45.389707	
Total Depth i		5.4			Longitude DD:	-75.700689	
Depth Ref:		Ground S	urface		UTM Zone:	18	
Depth Elev:					Easting:	445151	
Drill Method:					Northing:	5026482	
Orig Ground		64			Location Accuracy:		
Elev Reliabil		00.7			Accuracy:	Not Applicable	
DEM Ground	l Elev m:	63.7					
	-						
Concession:	:						
Concession: Location D:							
Concession: Location D: Survey D: Comments:							
Concession: Location D: Survey D: Comments: Borehole Ge Geology Stra Top Depth: Bottom Dept	ology Strati atum ID: th:	<u>um</u> 2183932( 0 2.1	)1		Mat Consistency: Material Moisture: Material Texture:		
Concession: Location D: Survey D: Comments: Borehole Ge Geology Stra Top Depth: Bottom Dept Material Colo	ology Strati atum ID: th:	21839320 0	01		Material Moisture: Material Texture: Non Geo Mat Type:		
Concession: Location D: Survey D: Comments: Borehole Ge Geology Stra Top Depth: Bottom Dept Material Colo Material 1:	ology Strati atum ID: th:	21839320 0			Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation:		
Concession: Location D: Survey D: Comments: Borehole Ge Geology Stra Gop Depth: Bottom Dept Material Colo Material 1: Material 2:	ology Strati atum ID: th:	21839320 0 2.1			Material Moisture: Material Texture: Non Geo Mat Type:		
Concession: Location D: Survey D: Comments: Borehole Ge Geology Stra Top Depth: Bottom Dept Material Colo Material 1: Material 2: Material 3:	ology Strati atum ID: th:	21839320 0 2.1			Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group:		
Concession: Location D: Survey D: Comments: Borehole Ge Geology Stra Top Depth: Bottom Dept Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material	eology Strate atum ID: th: or: I Description	21839320 0 2.1 Water-be			Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period:		
Concession: Location D: Survey D: Comments: Borehole Ge Geology Stra Top Depth: Bottom Dept Material Cold Material 1: Material 2: Material 3: Material 3: Material 3: Gsc Material Stratum Dess Geology Stra	eology Strati atum ID: th: or: 1 Description:	21839320 0 2.1 Water-be n: 21839320	aring WATER.		Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period:	Compact	
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Concession: Location D: Survey D: Comments: Borehole Ge Geology Stra Top Depth: Bottom Dept Material Colo Material 2: Material 2: Material 3: Material 3: Material 3: Material 4: Gsc Material Stratum Dest Geology Stra Top Depth: Bottom Dept	eology Strati atum ID: th: or: I Description cription: atum ID: th:	21839320 0 2.1 Water-be n: 21839320 2.1 5	aring WATER.		Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Texture:	Compact	
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Concession: Location D: Survey D: Comments: Borehole Ge Geology Stra Top Depth: Bottom Dept Material Colo Material 2: Material 3: Material 3: Material 3: Gsc Material Stratum Dest Geology Stra Geology Stra Top Depth: Bottom Dept Material Colo Material Colo	eology Strati atum ID: th: or: I Description cription: atum ID: th:	21839320 0 2.1 Water-be n: 21839320 2.1 5 Grey Silt	aring WATER.		Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation:	Compact	
Concession: Location D: Survey D: Comments: Borehole Ge Geology Stra Top Depth: Bottom Dept Material Colo Material 3: Material 3: Material 3: Gsc Material Stratum Dest Geology Stra Top Depth: Bottom Dept Material Colo Material Colo Material 1:	eology Strati atum ID: th: or: I Description cription: atum ID: th:	21839320 0 2.1 Water-be n: 21839320 2.1 5 Grey Silt Sand	aring WATER.		Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Moisture: Non Geo Mat Type: Geologic Formation: Geologic Group:	Compact	
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Concession: Location D: Survey D: Comments: Borehole Ge Geology Stra Top Depth: Bottom Dept Material Colo Material 2: Material 3: Material 4: Gsc Material Stratum Dest Bottom Depth: Bottom Dept Material Colo Material 1: Material 2: Material 3: Material 3:	eology Strate atum ID: th: or: I Description cription: atum ID: th: or:	21839320 0 2.1 Water-be n: 21839320 2.1 5 Grey Silt Sand Clay	aring WATER.		Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Moisture: Non Geo Mat Type: Geologic Formation: Geologic Group:	Compact	
Concession: Location D: Survey D: Comments: Borehole Ge Geology Stra Top Depth: Bottom Dept Material Colo Material 2: Material 3: Material 4: Gsc Material Stratum Dest Bottom Depth: Bottom Depth: Bottom Dept Material Colo Material 1: Material 2: Material 3: Material 3:	eology Strati atum ID: th: or: I Description cription: atum ID: th: or:	21839320 0 2.1 Water-be n: 21839320 2.1 5 Grey Silt Sand Clay	aring WATER.	E TO COMPACT.	Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Moisture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period:	Compact	
Concession: Location D: Survey D: Comments: Borehole Ge Geology Stra Top Depth: Bottom Dept Material Colo Material 1: Material 2: Material 3: Geology Stra Geology Stra Material 1: Material 2: Material 3: Material 4: Gsc Material 4: Gsc Material 4: Gsc Material 4: Gsc Material 5: Material 4: Gsc Material 4: Gsc Material 4: Stratum Des	eology Strate atum ID: th: or: Description: atum ID: th: or: Description:	21839320 0 2.1 Water-be n: 21839320 2.1 5 Grey Silt Sand Clay n: 21839320	aring WATER. )2 SILT. GREY,LOOSI	E TO COMPACT.	Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Formation: Geologic Coup: Geologic Period: Depositional Gen: Mat Consistency:	Compact	
Concession: Location D: Survey D: Comments: Borehole Ge Geology Stra Top Depth: Bottom Dept Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material Stratum Dest Material 2: Material 2: Material 3: Material 3: Material 3: Material 4: Gsc Material Stratum Dest Geology Stra Geology Stra Geology Stra Geology Stra	eology Strate atum ID: th: or: I Description: atum ID: th: or: I Description cription: atum ID:	21839320 0 2.1 Water-be n: 21839320 2.1 5 Grey Silt Sand Clay n: 21839320 5	aring WATER. )2 SILT. GREY,LOOSI	E TO COMPACT.	Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Non Geo Mat Type: Geologic Formation: Geologic Formation: Geologic Group: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture:		
Concession: Location D: Survey D: Comments: Borehole Ge Geology Stra Top Depth: Bottom Dept Material Colo Material 2: Material 3: Material 4: Gsc Material Stratum Dest Material 2: Material 2: Material 2: Material 2: Material 2: Material 3: Material 3: Material 3: Material 4: Gsc Material 4: Gsc Material 3: Material 4: Gsc Material 3: Material 4: Gsc Material 5: Material 5: Ma	eology Strate atum ID: th: or: I Description cription: atum ID: th: or: I Description cription: atum ID:	21839320 0 2.1 Water-be n: 21839320 2.1 5 Grey Silt Sand Clay n: 21839320 5 5.4	aring WATER. )2 SILT. GREY,LOOSI	E TO COMPACT.	Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Moisture:		
Concession: Location D: Survey D: Comments: Borehole Ge Geology Stra Top Depth: Bottom Dept Material Colo Material 2: Material 3: Material 4: Gsc Material Stratum Dest Material 2: Material 2: Material 2: Material 2: Material 2: Material 3: Material 3: Material 3: Material 3: Material 3: Material 4: Gsc Material Stratum Dest Geology Stra Top Depth: Bottom Dept Bottom Dept Bottom Dept	eology Strate atum ID: th: or: I Description cription: atum ID: th: or: I Description cription: atum ID:	21839320 0 2.1 Water-be n: 21839320 2.1 5 Grey Silt Sand Clay n: 21839320 5 5.4 Grey	aring WATER. )2 SILT. GREY,LOOSI	E TO COMPACT.	Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Moisture: Material Texture: Non Geo Mat Type:		
Concession: Location D: Survey D: Comments: Borehole Ge Geology Stra Top Depth: Bottom Dept Material Colo Material 2: Material 3: Material 4: Gsc Material Stratum Dest Material 2: Material 2: Material 2: Material 2: Material 3: Material 3: Material 3: Material 3: Material 3: Material 4: Gsc Material Stratum Dest Material 4: Gsc Material 3: Material 2: Material 2: Material 2: Material 2: Material 2: Material 2: Material 2: Material 2: Material 2: Material 2: Geology Stra Top Depth: Bottom Dept Material Colo Material 1:	eology Strate atum ID: th: or: I Description cription: atum ID: th: or: I Description cription: atum ID:	21839320 0 2.1 Water-be n: 21839320 2.1 5 Grey Silt Sand Clay n: 21839320 5 5.4	aring WATER. )2 SILT. GREY,LOOSI	E TO COMPACT.	Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation:		
Concession: Location D: Survey D: Comments: Borehole Ge Geology Stra Top Depth: Bottom Dept Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material Stratum Dest Material 2: Material 2: Material 3: Material 3: Material 3: Material 4: Gsc Material Stratum Dest Geology Stra Top Depth:	eology Strate atum ID: th: or: I Description cription: atum ID: th: or: I Description cription: atum ID:	21839320 0 2.1 Water-be n: 21839320 2.1 5 Grey Silt Sand Clay n: 21839320 5 5.4 Grey Silt	aring WATER. )2 SILT. GREY,LOOSI	E TO COMPACT.	Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Moisture: Material Texture: Non Geo Mat Type:		

Мар Кеу	Number of Records				Site	DE
Gsc Material Description: Stratum Description:			SILT. VERY DEN	SE. 000700140016	5100 SILT. GREY,COMPA	ACT. 000000040006001500110023. CLAY.
<u>Source</u>						
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name. Source Name. Source Detail. Confiden 1:	:	Data Sur Geologic 1956-197 H	al Survey of Canac '2 Urban Geology A File: OTTAWA2.tt	utomated Informatio	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: on System (UGAIS) 0 NTS_Sheet: 31G05G complete description of mate	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level erial and properties.
<u>Source List</u>						
Source Identii Source Type: Source Date: Scale or Reso Source Name Source Origin	olution: :	1 Data Sur 1956-197 Varies	2		Horizontal Datum: Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator
<u>19</u>	1 of 1		ENE/213.3	59.8/-3.09	ON	BORE
Borehole ID: OGF ID: Status: Type: Use: Completion D Static Water L Primary Wate Sec. Water Us Total Depth Ref: Depth Elev: Drill Method: Orig Ground I Elev Reliabil I DEM Ground I DEM Ground I Concession: Location D: Survey D: Comments:	.evel: r Use: se: n: Elev m: Note: Elev m:	612961 21551420 Borehole JUN-1972 12.6 Ground S 59.8 60.5	2		Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality: Lot: Township: Latitude DD: Longitude DD: UTM Zone: Easting: Northing: Location Accuracy: Accuracy:	No Initial Entry No No 45.389027 -75.694165 18 445661 5026402 Not Applicable
Borehole Geo Geology Strat Top Depth: Bottom Depth Material Color Material 1: Material 2: Material 3: Material 4: Gsc Material I Stratum Desc	tum ID: n: r: Descriptior	21839315 .8 1.5 Sand Clay Gravel	53 ARTIFICIAL.		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Strat Top Depth:	tum ID:	2183931 5.2	57		Mat Consistency: Material Moisture:	

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	DE
Bottom Dept	h:	7.6			Material Texture:	
Material Colo	or:				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 Desc	cription:		ORGANIC.			
Geology Stra		2183931	56		Mat Consistency:	
Top Depth:	itum ib.	3.8	00		Material Moisture:	
Bottom Depti	h.	5.2			Material Texture:	
Material Colo		0.2			Non Geo Mat Type:	
Material 1:	<i>"</i> .				Geologic Formation:	
Material 2:		Granuls			Geologic Group:	
Material 3:		Wood Fra	amonte		Geologic Period:	
		WOOU FIG	ayments		•	
Material 4:	Decerimtics	_			Depositional Gen:	
Gsc Material Stratum Deso		:	ARTIFICIAL.			
Geology Stra	tum ID:	2183931	52		Mat Consistency:	
Top Depth:		0			Material Moisture:	
Bottom Dept		.8			Material Texture:	
Material Colo	or:				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		:				
Stratum Desc	cription:		ARTIFICIAL.			
Geology Stra	tum ID:	2183931	54		Mat Consistency:	
Top Depth:		1.5			Material Moisture:	
Bottom Dept	h:	3			Material Texture:	
Material Colo					Non Geo Mat Type:	
Material 1:					Geologic Formation:	
Material 2:		Sand			Geologic Group:	
Material 3:		Clay			Geologic Period:	
Material 4:		Brick frag	iments		Depositional Gen:	
Gsc Material	Description	-	,		Dopositional Com	
Stratum Desc		•	ARTIFICIAL.			
	4 ID.	0400004	~~		Mat Canaistan au	
Geology Stra	ium iD:	21839310	DU		Mat Consistency:	
Top Depth:		9.7			Material Moisture:	
Bottom Dept		12.6			Material Texture:	
Material Colo	or:	Red			Non Geo Mat Type:	
Material 1:		Bedrock			Geologic Formation:	
Material 2:					Geologic Group:	
Material 3:					Geologic Period:	
Material 4:					Depositional Gen:	
Gsc Material		:				
Stratum Desc	cription:				10 00025 022 00050 034 001 uncated [Stratum Description	100 070 00125 062 00250 **Note: Many record n] field
Geology Stra	tum ID:	2183931	55		Mat Consistency:	
Top Depth:		3			Material Moisture:	
Bottom Dept	h:	3.8			Material Texture:	
Material Colo	or:				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 Desc	•		ARTIFICIAL.			
Coolory Stre	tum ID:	2182024	59		Mat Canaistanaw	Donso
Geology Stra	ium iD:	2183931	00		Mat Consistency:	Dense

Order No: 20190920010

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Top Depth:		7.6			Material Moisture:		
Bottom Depth	n:	9.1			Material Texture:		
Material Color	r:				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 L	Description	:			•		
Stratum Desci	•		TILL. DENSE.				
Geology Strat	tum ID:	21839315	59		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:		Shale					
					Geologic Period:		
Material 4:					Depositional Gen:		
Gsc Material E Stratum Descı		:	BEDROCK. WEAT				
Stratum Desci	πρασπ.		BEDROCK. WEAT	INERED.			
<u>Source</u>							
Source Type:		Data Surv	/ey		Source Appl:	Spatial/Tabular	
Source Orig:			al Survey of Canada	а	Source Iden:	1	
Source Date:		1956-197	,	4	Scale or Res:	Varies	
Confidence:		H	2		Horizontal:	NAD27	
		п					
				· · · · · · · · · · · · · · · · · · ·	Verticalda:	Mean Average Sea Level	
Observatio: Source Name:			Urban Geology Au				
Source Name: Source Details			File: OTTAWA2.txt	t RecordID: 05469	0 NTS_Sheet: 31G05G		
Source Name:			File: OTTAWA2.txt	t RecordID: 05469		rial and properties.	
Source Name: Source Details			File: OTTAWA2.txt	t RecordID: 05469	0 NTS_Sheet: 31G05G	rial and properties.	
Source Name: Source Details Confiden 1:	s:	1	File: OTTAWA2.txt	t RecordID: 05469	0 NTS_Sheet: 31G05G	rial and properties. NAD27	
Source Name: Source Details Confiden 1: <u>Source List</u> Source Identif	s:	1	File: OTTAWA2.txl Logged by profess	t RecordID: 05469	0 NTS_Sheet: 31G05G omplete description of mate Horizontal Datum:	NAD27	
Source Name: Source Details Confiden 1: <u>Source List</u> Source Identif Source Type:	s:	1 Data Surv	File: OTTAWA2.txl Logged by profess	t RecordID: 05469	0 NTS_Sheet: 31G05G omplete description of mate Horizontal Datum: Vertical Datum:	NAD27 Mean Average Sea Level	
Source Name: Source Details Confiden 1: <u>Source List</u> Source Identif Source Type: Source Date:	s: fier:	1 Data Surv 1956-197	File: OTTAWA2.txl Logged by profess	t RecordID: 05469	0 NTS_Sheet: 31G05G omplete description of mate Horizontal Datum:	NAD27	
Source Name: Source Details Confiden 1: <u>Source List</u> Source Identif Source Type: Source Date: Scale or Reso	s: fier: lution:	1 Data Surv	File: OTTAWA2.txl Logged by profess /ey 2	t RecordID: 05469 ional. Exact and c	0 NTS_Sheet: 31G05G omplete description of mate Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level	
Source Name: Source Details Confiden 1: Source List Source Identif Source Type: Source Date: Scale or Reso Source Name:	s: fier: lution: :	1 Data Surv 1956-197	File: OTTAWA2.txl Logged by profess /ey 2	t RecordID: 05469 ional. Exact and c	0 NTS_Sheet: 31G05G omplete description of mate Horizontal Datum: Vertical Datum:	NAD27 Mean Average Sea Level	
Source Name: Source Details Confiden 1: <u>Source List</u> Source Identif Source Type: Source Date: Scale or Reso Source Name: Source Origin	s: fier: blution: : ators:	1 Data Surv 1956-197	File: OTTAWA2.txt Logged by profess /ey 2 Urban Geology Au Geological Survey	t RecordID: 05469 ional. Exact and c tomated Information of Canada	0 NTS_Sheet: 31G05G omplete description of mate Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level	
Source Name: Source Details Confiden 1: <u>Source List</u> Source Identif Source Type: Source Date: Scale or Reso Scale or Reso Source Name: Source Origin	s: fier: lution: :	1 Data Surv 1956-197	File: OTTAWA2.txt Logged by profess /ey 2 Urban Geology Au	t RecordID: 05469 ional. Exact and c	0 NTS_Sheet: 31G05G omplete description of mate Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level	BORE
Source Name: Source Details Confiden 1: <u>Source List</u> Source Identif Source Type: Source Date: Scale or Reso Source Name: Source Origin	s: fier: blution: : ators:	1 Data Surv 1956-197	File: OTTAWA2.txt Logged by profess /ey 2 Urban Geology Au Geological Survey	t RecordID: 05469 ional. Exact and c tomated Information of Canada	0 NTS_Sheet: 31G05G omplete description of mate <i>Horizontal Datum:</i> <i>Vertical Datum:</i> <i>Projection Name:</i> on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator	BORE
Source Name: Source Details Confiden 1: <u>Source List</u> Source Identif Source Type: Source Date: Scale or Reso Source Name: Source Origin <u>20</u> Borehole ID:	s: fier: blution: : ators:	1 Data Surv 1956-197 Varies 612940	File: OTTAWA2.txl Logged by profess /ey 2 Urban Geology Au Geological Survey <i>WSW/216.2</i>	t RecordID: 05469 ional. Exact and c tomated Information of Canada	0 NTS_Sheet: 31G05G omplete description of mate <i>Horizontal Datum:</i> <i>Vertical Datum:</i> <i>Projection Name:</i> on System (UGAIS) <i>ON</i> <i>Inclin FLG:</i>	NAD27 Mean Average Sea Level Universal Transverse Mercator	BORE
Source Name: Source Details Confiden 1: <u>Source List</u> Source Identif Source Type: Source Date: Scale or Reso Source Name: Source Origin <u>20</u> Borehole ID: OGF ID:	s: fier: blution: : ators:	1 Data Surv 1956-197 Varies	File: OTTAWA2.txl Logged by profess /ey 2 Urban Geology Au Geological Survey <i>WSW/216.2</i>	t RecordID: 05469 ional. Exact and c tomated Information of Canada	0 NTS_Sheet: 31G05G omplete description of mate <i>Horizontal Datum:</i> <i>Vertical Datum:</i> <i>Projection Name:</i> on System (UGAIS) <i>ON</i> <i>Inclin FLG:</i> <i>SP Status:</i>	NAD27 Mean Average Sea Level Universal Transverse Mercator No Initial Entry	BORE
Source Name: Source Details Confiden 1: <u>Source List</u> Source Identif Source Type: Source Date: Scale or Reso Source Name: Source Origin <u>20</u> Borehole ID: OGF ID: Status:	s: fier: blution: : ators:	1 Data Surv 1956-197 Varies 612940 21551424	File: OTTAWA2.txl Logged by profess /ey 2 Urban Geology Au Geological Survey <i>WSW/216.2</i>	t RecordID: 05469 ional. Exact and c tomated Information of Canada	0 NTS_Sheet: 31G05G omplete description of mate Vertical Datum: Projection Name: on System (UGAIS) ON Inclin FLG: SP Status: Surv Elev:	NAD27 Mean Average Sea Level Universal Transverse Mercator No Initial Entry No	BORE
Source Name: Source Details Confiden 1: <u>Source List</u> Source Identif Source Type: Source Date: Scale or Reso Source Name: Source Origin <u>20</u> Borehole ID: OGF ID: Status: Type:	s: fier: blution: : ators:	1 Data Surv 1956-197 Varies 612940	File: OTTAWA2.txl Logged by profess /ey 2 Urban Geology Au Geological Survey <i>WSW/216.2</i>	t RecordID: 05469 ional. Exact and c tomated Information of Canada	0 NTS_Sheet: 31G05G omplete description of mate Vertical Datum: Projection Name: on System (UGAIS) ON Inclin FLG: SP Status: Surv Elev: Piezometer:	NAD27 Mean Average Sea Level Universal Transverse Mercator No Initial Entry	BORE
Source Name: Source Details Confiden 1: <u>Source List</u> Source Identif Source Type: Source Date: Source Origin <u>20</u> Borehole ID: OGF ID: Status: Type: Use:	s: fier: plution: tof 1	1 Data Surv 1956-197 Varies 612940 21551424 Borehole	File: OTTAWA2.txt Logged by profess 2 Urban Geology Au Geological Survey WSW/216.2	t RecordID: 05469 ional. Exact and c tomated Information of Canada	0 NTS_Sheet: 31G05G omplete description of mate Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator No Initial Entry No	BORE
Source Name: Source Details Confiden 1: <u>Source List</u> Source Identif Source Type: Source Date: Scale or Reso Source Name: Source Origin <u>20</u> Borehole ID: OGF ID: Status: Type: Use: Completion Da	s: fier: blution: ators: 1 of 1 1 of 1	1 Data Surv 1956-197 Varies 612940 21551424	File: OTTAWA2.txt Logged by profess 2 Urban Geology Au Geological Survey WSW/216.2	t RecordID: 05469 ional. Exact and c tomated Information of Canada	0 NTS_Sheet: 31G05G omplete description of mate Vertical Datum: Projection Name: on System (UGAIS) ON Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality:	NAD27 Mean Average Sea Level Universal Transverse Mercator No Initial Entry No	BORE
Source Name: Source Details Confiden 1: <u>Source List</u> Source Identif Source Type: Source Date: Scale or Reso Source Name: Source Origin <u>20</u> Borehole ID: OGF ID: Status: Type: Use: Completion Da Static Water L	s: fier: blution: ators: 1 of 1 1 of 1 ate: .evel:	1 Data Surv 1956-197 Varies 612940 21551424 Borehole	File: OTTAWA2.txt Logged by profess 2 Urban Geology Au Geological Survey WSW/216.2	t RecordID: 05469 ional. Exact and c tomated Information of Canada	0 NTS_Sheet: 31G05G omplete description of mate Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator No Initial Entry No	BORE
Source Name: Source Details Confiden 1: <u>Source List</u> Source Identif Source Type: Source Date: Scale or Reso Source Name: Source Origin <u>20</u> Borehole ID: OGF ID: Status: Type: Use: Completion Da Static Water L	s: fier: blution: ators: 1 of 1 1 of 1 ate: .evel:	1 Data Surv 1956-197 Varies 612940 21551424 Borehole	File: OTTAWA2.txt Logged by profess 2 Urban Geology Au Geological Survey WSW/216.2	t RecordID: 05469 ional. Exact and c tomated Information of Canada	0 NTS_Sheet: 31G05G omplete description of mate Vertical Datum: Projection Name: on System (UGAIS) ON Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality:	NAD27 Mean Average Sea Level Universal Transverse Mercator No Initial Entry No	BORE
Source Name: Source Details Confiden 1: <u>Source List</u> Source Identif Source Type: Source Date: Scale or Reso Source Name: Source Origin <u>20</u> Borehole ID: OGF ID: Status: Type: Use: Completion Da	s: fier: blution: ators: 1 of 1 1 of 1 ate: .evel: r Use:	1 Data Surv 1956-197 Varies 612940 21551424 Borehole	File: OTTAWA2.txt Logged by profess 2 Urban Geology Au Geological Survey WSW/216.2	t RecordID: 05469 ional. Exact and c tomated Information of Canada	0 NTS_Sheet: 31G05G omplete description of mate Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator No Initial Entry No	BORE
Source Name: Source Details Confiden 1: Source List Source Identif Source Type: Source Date: Source Date: Source Name: Source Origin 20 Borehole ID: OGF ID: Status: Type: Use: Completion Da Static Water L Primary Water	s: fier: blution: aators: 1 of 1 1 of 1 ate: .evel: r Use: se:	1 Data Surv 1956-197 Varies 612940 21551424 Borehole	File: OTTAWA2.txt Logged by profess 2 Urban Geology Au Geological Survey WSW/216.2	t RecordID: 05469 ional. Exact and c tomated Information of Canada	0 NTS_Sheet: 31G05G omplete description of mate Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator No Initial Entry No No	BORE
Source Name: Source Details Confiden 1: Source List Source Identif Source Type: Source Date: Source Date: Source Name: Source Origin 20 Borehole ID: OGF ID: Status: Type: Use: Completion Da Static Water L Primary Water Sec. Water Us Total Depth m	s: fier: blution: aators: 1 of 1 1 of 1 ate: .evel: r Use: se:	1 Data Surv 1956-197 Varies 612940 21551424 Borehole JUL-1972	File: OTTAWA2.txt Logged by profess /ey 2 Urban Geology Au Geological Survey ////////////////////////////////////	t RecordID: 05469 ional. Exact and c tomated Information of Canada	0 NTS_Sheet: 31G05G omplete description of mate Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator No Initial Entry No No	BORE
Source Name: Source Details Confiden 1: Source List Source Identif Source Type: Source Date: Source Oate: Source Origin 20 Borehole ID: OGF ID: Status: Type: Use: Completion Da Static Water L Primary Water Sec. Water Us Total Depth m Depth Ref:	s: fier: blution: aators: 1 of 1 1 of 1 ate: .evel: r Use: se:	1 Data Surv 1956-197 Varies 612940 21551424 Borehole JUL-1972 6.2	File: OTTAWA2.txt Logged by profess /ey 2 Urban Geology Au Geological Survey ////////////////////////////////////	t RecordID: 05469 ional. Exact and c tomated Information of Canada	0 NTS_Sheet: 31G05G omplete description of mate Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator No Initial Entry No No 45.387005 -75.700911	BORE
Source Name: Source Details Confiden 1: Source List Source Identif Source Type: Source Date: Source Date: Source Name: Source Origin 20 Borehole ID: Status: Type: Use: Completion Da Static Water L Primary Water Sec. Water Us Total Depth m Depth Ref: Depth Elev:	s: fier: blution: aators: 1 of 1 1 of 1 ate: .evel: r Use: se:	1 Data Surv 1956-197 Varies 612940 21551424 Borehole JUL-1972 6.2	File: OTTAWA2.txt Logged by profess /ey 2 Urban Geology Au Geological Survey ////////////////////////////////////	t RecordID: 05469 ional. Exact and c tomated Information of Canada	0 NTS_Sheet: 31G05G omplete description of mate Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator No Initial Entry No No 45.387005 -75.700911 18 445131	BORE
Source Name: Source Details Confiden 1: Source List Source Identif Source Type: Source Date: Scale or Reso Source Name: Source Origin 20 Borehole ID: Status: Type: Use: Completion Da Static Water L Primary Water Sec. Water Us Total Depth m Depth Ref: Depth Elev: Drill Method:	s: fier: fiution: hators: 1 of 1 1 of 1 ate: evel: r Use: se: h:	1 Data Surv 1956-197 Varies 612940 21551424 Borehole JUL-1972 6.2 Ground S	File: OTTAWA2.txt Logged by profess /ey 2 Urban Geology Au Geological Survey ////////////////////////////////////	t RecordID: 05469 ional. Exact and c tomated Information of Canada	0 NTS_Sheet: 31G05G omplete description of mate Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator No Initial Entry No No 45.387005 -75.700911 18	BORE
Source Name: Source Details Confiden 1: Source List Source Identif Source Type: Source Date: Scale or Reso Source Name: Source Origin 20 Borehole ID: Status: Type: Use: Completion Da Static Water L Primary Water Sec. Water Us Total Depth m Depth Ref: Depth Elev: Drill Method: Orig Ground E	s: fier: fiution: hators: 1 of 1 1 of 1 ate: evel: r Use: se: h: Elev m:	1 Data Surv 1956-197 Varies 612940 21551424 Borehole JUL-1972 6.2	File: OTTAWA2.txt Logged by profess /ey 2 Urban Geology Au Geological Survey ////////////////////////////////////	t RecordID: 05469 ional. Exact and c tomated Information of Canada	NTS_Sheet: 31G05G omplete description of mate Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator No Initial Entry No No 45.387005 -75.700911 18 445131 5026182	BORE
Source Name: Source Details Confiden 1: Source List Source Identif Source Type: Source Date: Scale or Reso Source Name: Source Origin 20 Borehole ID: Statuc Origin 20 Borehole ID: Status: Type: Use: Completion Da Static Water L Primary Water Sec. Water Us Total Depth m Depth Ref: Depth Elev: Drill Method: Orig Ground E Elev Reliabil N	s: fier: blution: tators: 1 of 1 1 of 1 ate: evel: r Use: se: tuse: se: tuse: se: tuse: se: tuse: se: tuse: se: tuse: se: tuse: se:	1 Data Surv 1956-197 Varies 612940 21551424 Borehole JUL-1972 6.2 Ground S 64.7	File: OTTAWA2.txt Logged by profess /ey 2 Urban Geology Au Geological Survey ////////////////////////////////////	t RecordID: 05469 ional. Exact and c tomated Information of Canada	0 NTS_Sheet: 31G05G omplete description of mate Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator No Initial Entry No No 45.387005 -75.700911 18 445131	BORE
Source Name: Source Details Confiden 1: Source List Source Identif Source Type: Source Date: Scale or Reso Source Name: Source Origin 20 Borehole ID: Status: Type: Use: Completion Di Static Water L Primary Water Sec. Water Us Total Depth m Depth Ref: Depth Elev: Drill Method: Orig Ground E Elev Reliabil N DEM Ground E	s: fier: blution: tators: 1 of 1 1 of 1 ate: evel: r Use: se: tuse: se: tuse: se: tuse: se: tuse: se: tuse: se: tuse: se: tuse: se:	1 Data Surv 1956-197 Varies 612940 21551424 Borehole JUL-1972 6.2 Ground S	File: OTTAWA2.txt Logged by profess /ey 2 Urban Geology Au Geological Survey ////////////////////////////////////	t RecordID: 05469 ional. Exact and c tomated Information of Canada	NTS_Sheet: 31G05G omplete description of mate Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator No Initial Entry No No 45.387005 -75.700911 18 445131 5026182	BORE
Source Name: Source Details Confiden 1: Source List Source Identif Source Type: Source Date: Source Date: Source Origin 20 Borehole ID: OGF ID: Status: Type: Use: Completion Da Static Water L Primary Water Sec. Water Us Total Depth m Depth Ref: Depth Elev: Drill Method: Orig Ground E Elev Reliabil N DEM Ground I Concession:	s: fier: blution: tators: 1 of 1 1 of 1 ate: evel: r Use: se: tuse: se: tuse: se: tuse: se: tuse: se: tuse: se: tuse: se: tuse: se:	1 Data Surv 1956-197 Varies 612940 21551424 Borehole JUL-1972 6.2 Ground S 64.7	File: OTTAWA2.txt Logged by profess /ey 2 Urban Geology Au Geological Survey ////////////////////////////////////	t RecordID: 05469 ional. Exact and c tomated Information of Canada	NTS_Sheet: 31G05G omplete description of mate Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator No Initial Entry No No 45.387005 -75.700911 18 445131 5026182	BORE
Source Name: Source Details Confiden 1: Source List Source Identif Source Type: Source Date: Source Date: Source Name: Source Origin 20 Borehole ID: OGF ID: Status: Type: Use: Completion Da Static Water L Primary Water Sec. Water Us	s: fier: blution: tators: 1 of 1 1 of 1 ate: evel: r Use: se: tuse: se: tuse: se: tuse: se: tuse: se: tuse: se: tuse: se: tuse: se:	1 Data Surv 1956-197 Varies 612940 21551424 Borehole JUL-1972 6.2 Ground S 64.7	File: OTTAWA2.txt Logged by profess /ey 2 Urban Geology Au Geological Survey ////////////////////////////////////	t RecordID: 05469 ional. Exact and c tomated Information of Canada	NTS_Sheet: 31G05G omplete description of mate Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator No Initial Entry No No 45.387005 -75.700911 18 445131 5026182	BORE

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Comments:

### Borehole Geology Stratum

Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Descriptio Stratum Description:	2183930 1.5 2.1 Grey Clay Silt	64 CLAY. GREY,VERY STIFF.	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Stiff
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description Stratum Description:	2183930 0 .3 Unknowr Soil <b>n</b> :		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description Stratum Description:	2183930 3.7 6.2 Grey Silt Sand Till			Compact 50007001600120019010 00175 005 00190 ed [Stratum Description] field.
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Descriptio Stratum Description:	2183930 1.4 1.5 Organic Clay Alluvion <i>n:</i>	63 ORGANIC.	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	organic
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description	2183930 .3 1.4 Clay Silt Sand <i>n:</i>		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Compact
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1:	2183930 2.1 3.7 Brown Silt	65	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation:	Compact

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, ,	Number Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site		Di
Material 2: Material 3:		Sand Clay			Geologic Group: Geologic Period:		
Material 4:		,			Depositional Gen:		
Gsc Material D	escription.	:					
Stratum Descri	ption:		SILT. BROWN,CO	MPACT.			
<u>Source</u>							
Source Type:		Data Surv			Source Appl:	Spatial/Tabular	
Source Orig:			al Survey of Canada	a	Source Iden:	1 Mariaa	
Source Date: Confidence:		1956-197 H	2		Scale or Res: Horizontal:	Varies NAD27	
Observatio:		11			Verticalda:	Mean Average Sea Level	
Source Name:			Urban Geology Au	tomated Informati	on System (UGAIS)	Mean Werage Cod Level	
Source Details	:				0 NTS_Sheet: 31G05G		
Confiden 1:					omplete description of mater	ial and properties.	
Source List							
Source Identifi	er:	1			Horizontal Datum:	NAD27	
Source Type:		Data Surv	vev		Vertical Datum:	Mean Average Sea Level	
Source Date:		1956-197			Projection Name:	Universal Transverse Mercator	
Scale or Resolu	ution:	Varies			-		
Source Name:					on System (UGAIS)		
Source Origina	tors:		Geological Survey	of Canada			
<u>21</u> 1	of 1		WNW/217.7	61.9 / -1.00	ON		BOR
Borehole ID:		612971			Inclin FLG:	No	
OGF ID:		21551427	76		SP Status:	Initial Entry	
Status:					Surv Elev:	No	
Туре:		Borehole			Piezometer:	No	
Use:					Primary Name:		
Completion Da		JUL-1972	2		Municipality:		
Static Water Le					Lot:		
Primary Water					Township:	45 390535	
Sec. Water Use		4.7			Latitude DD:	45.389525 -75.70107	
Total Depth m: Depth Ref:		Ground S	urface		Longitude DD: UTM Zone:	18	
Depth Elev:		Oround O	unace		Easting:	445121	
Drill Method:					Northing:	5026462	
Orig Ground El	lev m:	64.7			Location Accuracy:		
Elev Reliabil No					Accuracy:	Not Applicable	
DEM Ground E	lev m:	63.7			-		
Concession:							
Location D:							
Survey D:							
Comments:							
Borehole Geolo	ogy Stratu	<u>m</u>					
Geology Stratu	ım ID:	21839319	98		Mat Consistency:	Compact	
Top Depth:		3.4			Material Moisture:		
Bottom Depth:		4.7			Material Texture:		
		Grey			Non Geo Mat Type:		
Material Color:					Geologic Formation:		
Material Color: Material 1:		Silt					
Material Color: Material 1: Material 2:		Sand			Geologic Group:		
Material Color: Material 1:							

Stratum Description:

SILT. GREY,COMPACT. 000000040006001500110023. CLAY. GREY,FIRM. 00050 010 003600350520850

Map Key	Numbei Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DE
			**Note: Many recor	ds provided by th	e department have a trunca	ted [Stratum Description] field.	
Geology Stra	tum ID:	2183931	96		Mat Consistency:		
Top Depth:		1.5			Material Moisture:		
Bottom Depth	n:	1.8			Material Texture:		
Material Colo	r:				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		n:					
Stratum Desc	ription:		CLAY.				
Geology Stra	tum ID:	2183931	97		Mat Consistency:	Stiff	
Top Depth:		1.8			Material Moisture:		
Bottom Depth	n:	3.4			Material Texture:		
Material Colo	r:	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	Descriptio	n:					
Stratum Desc	ription:		CLAY. GREY, BRO	WN, STIFF TO V	ERY STIFF.		
Geology Stra	tum ID:	2183931	95		Mat Consistency:	Loose	
Top Depth:		0			Material Moisture:		
Bottom Depth	n:	1.5			Material Texture:		
Material Colo	r:	Brown			Non Geo Mat Type:		
Material 1:					Geologic Formation:		
Material 2:		Clay			Geologic Group:		
Material 3:		Silt			Geologic Period:		
natorial of							
Material 4:		Roots			Depositional Gen:		
	Descriptio				Depositional Gen:		
Material 4:			ARTIFICIAL. GREY	Y,BROWN,LOOSI	-		
Material 4: Gsc Material			ARTIFICIAL. GREY	Y,BROWN,LOOSI	-		
Material 4: Gsc Material Stratum Desc	ription:			Y,BROWN,LOOSI	-	Spatial/Tabular	
Material 4: Gsc Material I Stratum Desc <u>Source</u>	ription:	<i>n:</i> Data Sur	vey		Ξ.	Spatial/Tabular 1	
Material 4: Gsc Material Stratum Desc <u>Source</u> Source Type:	ription:	<i>n:</i> Data Sur	vey al Survey of Canada		Source Appl:	•	
Material 4: Gsc Material Stratum Desc <u>Source</u> Source Type: Source Orig: Source Date:	ription:	<i>n:</i> Data Sur Geologic	vey al Survey of Canada		Source Appl: Source Iden:	1	
Material 4: Gsc Material Stratum Desc <u>Source</u> Source Type: Source Orig: Source Date: Confidence:	ription:	n: Data Sur Geologic 1956-197	vey al Survey of Canada		Source Appl: Source Iden: Scale or Res:	1 Varies	
Material 4: Gsc Material Stratum Desc Source Source Type: Source Orig: Source Date: Confidence: Observatio:	ription:	n: Data Sur Geologic 1956-197	vey al Survey of Canada 72	ì	Source Appl: Source Iden: Scale or Res: Horizontal:	1 Varies NAD27	
Material 4: Gsc Material Stratum Desc <u>Source</u> Source Type: Source Orig:	ription:	n: Data Sur Geologic 1956-197	vey al Survey of Canada 72 Urban Geology Aut	tomated Information	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda:	1 Varies NAD27	
Material 4: Gsc Material Stratum Desc Source Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name	ription:	n: Data Sur Geologic 1956-197	vey al Survey of Canada 72 Urban Geology Aut File: OTTAWA2.txt	tomated Informatio RecordID: 05479	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: on System (UGAIS)	1 Varies NAD27 Mean Average Sea Level	
Material 4: Gsc Material Stratum Desc Source Source Orig: Source Date: Confidence: Observatio: Source Name Source Detail	ription:	n: Data Sur Geologic 1956-197	vey al Survey of Canada 72 Urban Geology Aut File: OTTAWA2.txt	tomated Informatio RecordID: 05479	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: on System (UGAIS) 0 NTS_Sheet: 31G05G	1 Varies NAD27 Mean Average Sea Level	
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Material 4: Gsc Material 4 Stratum Desc Source Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name Source Name Source Name Source List Source List Source Identi Source Identi Source Date: Scale or Resc	ription: : s: fier: blution:	n: Data Sur Geologic 1956-197 H 1 Data Sur	vey al Survey of Canada 72 Urban Geology Aut File: OTTAWA2.txt Logged by professi vey 72	tomated Informati RecordID: 05479 ional. Exact and c	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: on System (UGAIS) 0 NTS_Sheet: 31G05G omplete description of mate Horizontal Datum: Vertical Datum: Projection Name:	1 Varies NAD27 Mean Average Sea Level erial and properties. NAD27 Mean Average Sea Level	
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Material 4: Gsc Material 4: Gsc Material 4 Stratum Desc Source Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name Source List Source List Source Identi Source Identi Source Date: Scale or Resc Source Name Source Origin	ription: : s: fier: plution: : nators:	n: Data Sur Geologic 1956-197 H 1 Data Sur 1956-197 Varies	vey al Survey of Canada 72 Urban Geology Aut File: OTTAWA2.txt Logged by professi vey 72 Urban Geology Aut Geological Survey	tomated Information RecordID: 05479 ional. Exact and control to the second seco	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: on System (UGAIS) 0 NTS_Sheet: 31G05G omplete description of mate Horizontal Datum: Vertical Datum: Projection Name: on System (UGAIS)	1 Varies NAD27 Mean Average Sea Level erial and properties. NAD27 Mean Average Sea Level Universal Transverse Mercator	BORI
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Order No: 20190920010

Мар Кеу	Number Records	-	Direction/ Distance (m)	Elev/Diff (m)	Site	Ľ
Completion D	Date:	MAR-1961			Municipality:	
Static Water I	Level:				Lot:	
Primary Wate	er Use:				Township:	
Sec. Water Us					Latitude DD:	45.385945
Total Depth n	n:	19.8			Longitude DD:	-75.697576
Depth Ref:		Ground Su	rface		UTM Zone:	18
Depth Elev:					Easting:	445391
Drill Method:					Northing:	5026062
Orig Ground		61.9			Location Accuracy:	No.4 Annella alcha
Elev Reliabil I		<u></u>			Accuracy:	Not Applicable
DEM Ground	Elev m:	63.8				
Concession:						
Location D:						
Survey D: Comments:						
Borehole Geo	ology Strat	<u>um</u>				
Geology Stra	tum ID:	218392997			Mat Consistency:	Dense
Top Depth:		.3			Material Moisture:	
Bottom Depth	h:	3.5			Material Texture:	
Material Colo	r:				Non Geo Mat Type:	
Material 1:		Unknown			Geologic Formation:	
Material 2:		Till			Geologic Group:	
Material 3:					Geologic Period:	
Material 4:					Depositional Gen:	
Gsc Material	Descriptio	n:				
Stratum Desc	ription:	ι	JNSPECIFIED. DEI	NSE.		
Geology Stra	tum ID:	218392999	)		Mat Consistency:	Dense
Top Depth:		6.1			Material Moisture:	
Bottom Depth		6.4			Material Texture:	
Material Colo	r:				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						
Stratum Desc	cription:	l	JNSPECIFIED. DEI	NSE.		
Geology Stra	tum ID:	218392996	;		Mat Consistency:	
Top Depth:		0			Material Moisture:	
Bottom Depth	h:	.3			Material Texture:	
Material Colo	r:				Non Geo Mat Type:	
Material 1:		Unknown			Geologic Formation:	
Material 2:		Soil			Geologic Group:	
Material 3:					Geologic Period:	
Material 4:					Depositional Gen:	
Gsc Material Stratum Desc			JNSPECIFIED.			
Geology Stra	•	218393004			Mat Consistency:	
Geology Stra Top Depth:	um 10.	15.1	r.		Material Moisture:	
Bottom Depth	h•	19.8			Material Texture:	
Material Colo		10.0			Non Geo Mat Type:	
Material 1:		Bedrock			Geologic Formation:	
Material 2:					Geologic Group:	
Material 3:					Geologic Period:	
Material 4:					Depositional Gen:	
Gsc Material	Descriptio	n:				
Stratum Desc	-	E			0200 016 00210 032 00215 runcated [Stratum Descriptio	018 00365 037 0001 **Note: Many records n] field
• • •	, . <u>.</u>					
Geology Strat	tum ID:	218393001			Mat Consistency:	Dense
Top Depth:		6.6			Material Moisture:	

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Order No: 20190920010

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DE
Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 4:		11.1 Unknown Till			Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:		
Gsc Material Stratum Desc			UNSPECIFIED. DEI	NSE.			
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 3: Material 4:	h:	21839300 13.7 15.1 Bedrock	3		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:		
Gsc Material Stratum Desc			BEDROCK.				
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 4:	tum ID: h: r:	21839299 3.5 6.1 Till Boulders	8		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Dense	
Gsc Material Stratum Desc			TILL. DENSE.				
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 3: Gsc Material Stratum Desc	h: r: Descriptior		0 SAND-MEDIUM. DE		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Dense Medium	
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 3: Gsc Material Stratum Desc	tum ID: h: r: Descriptior	21839300 11.1 13.7 Till Boulders <b>1:</b>			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Dense	
<u>Source</u>							
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name Source Detail Confiden 1:		1956-1972 H	l Survey of Canada 2 Urban Geology Auto File: OTTAWA2.txt I	RecordID: 05434	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: on System (UGAIS) 0 NTS_Sheet: 31G05G omplete description of mater	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level rial and properties.	

Мар Кеу	Num Reco		)irection/ )istance (m)	Elev/Diff (m)	Site		DB
Source Lis	<u>it</u>						
Source Ide Source Tyj Source Da Scale or Re	pe: te:	1 Data Survey 1956-1972 Varies			Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator	
Source Na Source Ori	me:	Urba	an Geology Auto logical Survey c		on System (UGAIS)		
<u>23</u>	1 of 1	E/2	248.4	59.8/-3.03	1125 colonel by drive Ottawa ON K1S 5B6		EHS
Order No: Status: Report Typ Report Dat Date Recei Previous S Lot/Buildin	te: ived: Site Name:	20181206024 C Custom Repor 13-DEC-18 06-DEC-18	t		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON .25 -75.69333 45.388039	
Additional	•	red: Fire	Insur. Maps and	d/or Site Plans; 0	City Directory; Aerial Photos		

# **Unplottable Summary**

### Total: 30 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
СА	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	
СА	R. W. Tomlinson Limited		Ottawa ON	
СА	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

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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></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**

#### <u>Site:</u> R. W. Tomlinson Limited Ottawa ON

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

1266-7RRSDS

2009 5/29/2009

Approved

9590-85TJS9

7/29/2010

2010

Air Approved

Air

#### <u>Site:</u> R. W. Tomlinson Limited Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

#### <u>Site:</u> R. W. Tomlinson Limited Mobile Facility Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

#### <u>Site:</u> R. W. Tomlinson Limited Ottawa ON

#### Certificate #:

6924-5YWQ3U

#### Database: CA

Database:

Database: CA

## Order No: 20190920010

Database: CA Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: **Project Description:** Contaminants: **Emission Control:** 

2004 5/19/2004 Industrial Sewage Works Approved

#### Site: R. W. Tomlinson Limited Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: **Client City:** Client Postal Code: **Project Description:** Contaminants: **Emission Control:** 

8392-5RPJWW 2004 5/5/2004 Industrial Sewage Works Approved

#### R. W. Tomlinson Limited <u>Site:</u> Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: **Client Address:** Client City: Client Postal Code: Project Description: Contaminants: **Emission Control:** 

3830-82GLKG 2010 2/24/2010 Industrial Sewage Works Approved

Database: CA

Database: CA

<u>Site:</u> R. W. To	mlinson Limited		Database:
Ottawa	a ON		CONV
File No: Crown Brief No: Court Location: Publication City: Publication Title: Act: Act: Act(s): First Matter: Second Matter: Investigation 1:		Location: Region: Ministry District:	

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

148

Investigation 2: Penalty Imposed: Description:

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: Act: Regulation: Section: Act/Regulation/Section: Date of Offence: Date of Conviction: Date Charged: Charge Disposition: Fine: Synopsis:

January 13, 2011 fine, victim fine surcharge \$12,000

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

EBR Registry No: 012-3174 Ministry Ref No: 1482-9PALMZ Notice Type: Notice Stage: Notice Date: March 08, 2019 Proposal Date: 2014 Instrument Type:

Instrument Decision

December 04, 2014

1

Environmental Compliance Approval (project type: air) - EPA Part II.1-air

R. W. Tomlinson Limited 5597 Power Road Ottawa Ontario Canada K1G 3N4

**Comment Period:** URL:

Proponent Address:

Off Instrument Name:

Year:

Posted By: Company Name: Site Address: Location Other: Proponent Name:

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

**Decision Posted:** 

Section:

Act 1:

Act 2.

**Exception Posted:** 

Site Location Map:

#### Site Location Details:

Ontario CITY OF OTTAWA

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

EBR Registry No: 012-3178 **Decision Posted:** Ministry Ref No: 6198-9PAL QX **Exception Posted:** Notice Type: Instrument Decision Section: Notice Stage: Act 1: Notice Date: August 01, 2018 Act 2: Proposal Date: December 08, 2014 Site Location Map: 2014 Environmental Compliance Approval (project type: air) - EPA Part II.1-air Instrument Type: Off Instrument Name: Posted By:

Database: EBR

Database: EBR

Year:

Company Name: Site Address: Location Other: Proponent Name: Proponent Address:

Comment Period: URL:

R. W. Tomlinson Limited (EPA Part II.1-air) - Environmental Compliance Approval (project type: air)

R. W. Tomlinson Limited 100 CitiGate Drive Ottawa Ontario Canada K2J 6K7

http://www.ebr.gov.on.ca/ERS-WEB-External/displaynoticecontent.do?noticeId=MTI0MDMz&statusId=MjA2NzEw&language=en

#### Site Location Details:

Ontario CITY OF OTTAWA

#### <u>Site:</u> R. W. Tomlinson Limited Mobile Facility Ottawa CITY OF OTTAWA ON

EBR Registry No: 011-3878 **Decision Posted:** Ministry Ref No: 4690-8H9G82 **Exception Posted:** Notice Type: Instrument Decision Section: Notice Stage: 803857793 Act 1: Notice Date: October 31, 2016 Act 2: Proposal Date: June 16, 2011 Site Location Map: Year: 2011 (EPA Part II.1-air) - Environmental Compliance Approval (project type: air) Instrument Type: 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

<u>Site:</u> R. W. Tomlinso Mobile Facility	on Limited Ottawa CITY OF OTTAWA ON		Database: EBR
EBR Registry No: Ministry Ref No: Notice Type: Notice Stage: Notice Date: Proposal Date: Year: Instrument Type: Off Instrument Name:	011-0219 5698-7Q4PZC Instrument Decision 803581856 August 04, 2010 June 07, 2010 2010 (EPA s. 9) - Approval for dischar	Decision Posted: Exception Posted: Section: Act 1: Act 2: Site Location Map: rge into the natural environment other than water (i.e	. Air)
Posted By: Company Name: Site Address: Location Other: Proponent Name: Proponent Address: Comment Period: URL:	R. W. Tomlinson Limited 5597 Power Road, Gloucester C	ontario, Canada K1G 3N4	

Site Location Details:



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

Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Address: Full Address: Full PDF Link:

7288-B9LLJC 2019-03-05 Approved ECA IDS Bronson Ave

City: Longitude: Latitude: Geometry X: Geometry Y: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS

https://www.accessenvironment.ene.gov.on.ca/instruments/8437-B9BKWH-13.pdf

**MOE District:** 

#### Site: R. W. Tomlinson Limited Database: Mobile Facility Ottawa ON K1G 3N4 ECA 9590-85TJS9 Approval No: **MOE District:** 2010-07-29 Approval Date: City: Status: Approved Longitude: Record Type: ECA Latitude: Link Source: IDS Geometry X: Geometry Y: SWP Area Name: Approval Type: ECA-AIR Project Type: AIR Mobile Facility Address: Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5698-7Q4PZC-14.pdf R. W. Tomlinson Limited Database: Site: **ECA** Mobile Facility Ottawa ON K1G 3N4 Approval No: 3301-AEPJ5R **MOE** District: Approval Date: 2016-10-25 City: Approved Longitude: Status: Latitude: Record Type: ECA IDS Link Source: 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 Database: GEN Carleton University Ice House, 1125 Colonel By Dr Ottawa ON K1S5B6 ON8145235 Generator No: PO Box No:

Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:

Registered As of Jul 2019

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

Canada

Waste Class:

151

Detail(s)

261 A

Database:

ECA

Waste Class Desc:

Pharmaceuticals

Waste Class: Waste Class Desc: 312 P Pathological wastes

#### Carleton University Dump Site: Ottawa ON

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

Req Coll Lndfll Gas: Lndfll Gas Coll: Total Waste Rec: TWR Methodology: TWR Unit: Tot Aprv Cap Unit: Financial Assurance: Last Report Year: MOE Region: **MOE** District: Site County: Lot: Concession: Latitude: Longitude: Easting: Northina: UTM Zone:

Data Source:

Natural Attenuation:

Cover Material:

Leachate Off-Site:

Leachate On Site:

Liners:

Database: LIMO

#### Site:

Service Area: Page URL:

#### COLONEL DR BY OTTAWA ON

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

#### CARLETON UNIVERSITY Site: OTTAWA ON K1R 3J7

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

F1323 UNDEFINED

Carleton University Dump

Ottawa

**NDFT** 

Database:

Database: NPCB

<u>Details</u> Label: Serial No.	F132300
Serial No.: PCB Type/Code: Location:	ASKAREL/ASKAREL
Item/State: No. of Items:	BARREL PCB ASKAREL/FULL 27
Manufacturer: Status: Contents:	STORED FOR DISPOSAL 7943 KG
Label:	F132302
Serial No.: PCB Type/Code:	MINERAL OIL/UNKNOWN
Location: Item/State: No. of Items:	BARREL MINERAL OIL/FULL 7
Manufacturer: Status: Contents:	STORED FOR DISPOSAL 1200 KG
Label:	F132301
Serial No.: PCB Type/Code:	OTHER WASTE/HIGH
Location: Item/State: No. of Items:	CTN DEBRIS, ETC/FULL 1
Manufacturer: Status: Contents:	STORED FOR DISPOSAL 200 KG

#### Site:

#### COLONEL BY DRIVE, OTTAWA ON

1935574

2016/09/14

Incident ID: Incident No: Type: Status Code: Fuel Occurrence Tp: Fuel Type: Tank Status: Task No: Spills Action Centre: Method Details: Fuel Category: Date of Occurrence: **Occurrence Start** Date: **Operation Type:** Pipeline Type: Regulator Type: Summary: Reported By: Affiliation: **Occurrence Desc:** Damage Reason: Notes:

**RC** Established 6312399 E-mail Natural Gas

Pipeline Damage Reason Est

**FS-Pipeline Incident** 

Health Impact: Environment Impact: Property Damage: Yes Service Interupt: Enforce Policy: Yes Public Relation: Pipeline System: Depth: Pipe Material: PSIG: Attribute Category: **Regulator Location:** 

FS-Perform P-line Inc Invest

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

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

John Hardie - ENBRIDGE

Facility was not located or marked

COLONEL BY DRIVE, OTTAWA - PIPELINE HIT - 1"

Database: SPL

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Order No: 20190920010

#### Database: PINC

Incident Event: Contaminant Code: **Contaminant Name:** Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: Dt Document Closed: Incident Reason: Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: Contaminant Qty:

NOT ANTICIPATED Water course or lake WATER

11/30/1993

ERROR

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

CONSTRUCTION COMPANY- DIESEL TO RIVER FROM OVERTURNED CRANE.

#### <u>Site:</u> LECLAIR FUELS LTD. BRONSON AVENUE TANK TRUCK (CARGO) OTTAWA CITY ON

Ref No: Site No:	9634	Discharger Report: Material Group:	
Incident Dt:	9/21/1988	Health/Env Conseg:	
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: Contaminant Qty:	OMHEU TRUCK-100 L GASOLI	NE SPILLED TO CATCHBASIN	and Koad

Site:

Bronson Ave Ottawa ON

Ref No: Site No: Incident Dt: Year:	5310-7DDTQN	Discharger Report: Material Group: Health/Env Conseq: 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 Freg 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact: Nature of Impact:	Not Anticipated	Site Municipality: Site Lot:	Ottawa

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Database:

SPL

Database:

SPL

**Receiving Medium:** Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: Dt Document Closed: Incident Reason: Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: Contaminant Qty:

No Field Response

4/4/2008 4/17/2008 Equipment Failure Carleton University<UNOFFICIAL>

Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:

Watercourse Spills

25 L

#### <u>Site:</u> OC Transpo<UNOFFICIAL> Campus Avenue Ottawa ON

Cumpus Arena			
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	Source Type:	
	components		
Site Name:	CARLTON UNIVERSITY < UNOFFIC	IAL>	
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	OC Transpo: <1L of gas to storm drai	n	
Contaminant Qty:	1 L		

OC Transpo: Antifreeze to sewer from bus. Carleton U.

#### <u>Site:</u>

#### Colonel By Dr Ottawa ON

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

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Order No: 20190920010

Database: SPL

Database:

SPL

Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: Contaminant Qty: Colonel By Drive

MVA: op. fluids to Rideau Canal. 0 other - see incident description

#### Site:

#### Colonel By Drive Ottawa ON

Database:
SPL

-			
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:	3 3 1 ( ) 3 3 , ,
Site Name:	On Colonel By Drive, North of Bank S		au Canal) <unofficial></unofficial>
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	MVA: gasoline to ground/water, Ridea	u Canal	
Contaminant Qty:	1L		

#### <u>Site:</u> Enbridge Gas Distribution Inc. Colonel By Drive building 10, Carleton University Ottawa ON

Database: <mark>SPL</mark>

Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Code:	7565-ADJP4L NA 9/6/2016 Leak/Break 35	Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse:	Miscellaneous Industrial
Contaminant Name:	NATURAL GAS (METHANE)	Site Address:	Colonel By Drive building 10, Carleton
Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1:		Site District Office: Site Postal Code: Site Region:	University
Environment Impact: Nature of Impact: Receiving Medium:		Site Municipality: Site Lot: Site Conc:	Ottawa
Receiving Env: MOE Response: Dt MOE Arvl on Scn:	Air	Northing: Easting: 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: Site Name: Site County/District: Site Geo Ref Meth:	Operator/Human Error commercial <unofficial></unofficial>	Source Type:	
Incident Summary: Contaminant Qty:	TSSA: Carleton Unv, 1 inch, safe 0 n/a		

#### Site:

Colonel By Street and Rideau Canal Ottawa ON

Database: SPL

#### <u>Site:</u> 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	l
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 Årvl 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></unofficial>	
Site County/District:	
Site Geo Ref Meth:	
Incident Summary: OC Transpo- 10 L power steer.fl. to cb. cleaning	
Contaminant Qty: 10 L	

#### Database: <mark>SPL</mark>

#### <u>Site:</u> CARLTON UNIVERSITY RIDEAU RIVER, @ CARLTON UNIVERSITY COLONEL BYE DRIVE OTTAWA OTTAWA CITY ON

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

Database: SPL

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Year:
Incident Cause:
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt:
Dt Document Closed:
Incident Reason:
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary:
Contaminant Qty:

CONTAINER OVERFLOW

NOT ANTICIPATED Water course or lake WATER

5/4/1996 ERROR

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

20101

CARLTON U.:INDOOR DIESEL TO SUMP & SMALL AMOUNT TO STORM SEWER: CLEANING

<u>Site:</u> R W Tomlinson Ottawa ON				Database: <mark>SPL</mark>
Ref No:	0423-A2EPDC	Discharger Report:		
Site No: Incident Dt:	NA 9/4/2015	Material Group:		
Year:	9/4/2015	Health/Env Conseq: 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 <unofi< td=""><td>-ICIAL&gt;</td><td></td><td></td></unofi<>	-ICIAL>		
Site County/District: Site Geo Ref Meth:				
Incident Summary:	R W Tomlinson- 10L Concrete Wash-c	out to around		
Contaminant Qty:	10 L			
containinant dtyr				

# 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:

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: 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:

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:

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:

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:

#### 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: 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

Provincial The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and

Provincial

AAGR

AGR

AMIS

ANDR

AST

AUWR

Provincial

Private

Provincial

Private

Provincial

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Certificates of Approval:

#### **Dry Cleaning Facilities:** List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's

Government Publication Date: 1985-Oct 30, 2011\*

Government Publication Date: Jan 2004-Dec 2017

Please refer to those individual databases for any information after Oct.31, 2011.

tetrachloroethylene to the environment from dry cleaning facilities.

#### Commercial Fuel Oil Tanks:

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

Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of

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).

Chemical Register: 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

Inventory of Coal Gasification Plants and Coal Tar Sites:

#### **Compressed Natural Gas Stations:**

**Compliance and Convictions:** 

Certificates of Property Use:

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

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\*

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

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: 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

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Provincial

Federal

Provincial

Private

Private Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at

Provincial

Provincial

Provincial

Provincial

# CPU

DRL

#### CA

CDRY

CFOT

CHEM

CNG

COAL

CONV

#### Order No: 20190920010

# Environmental Registry:

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.

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: 1994-Aug 31, 2019

Environmental Activity and Sector Registry:

Government Publication Date: Oct 2011-Aug 31, 2019

## Environmental Compliance Approval:

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:

**ERIS Historical Searches:** 

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 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:

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:

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:

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

#### Provincial

EASR

FBR

ECA

Provincial

Provincial

Federal

FEM The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of

FHS

FIIS

EMHE

EPAR

Private

Federal

Provincial

Provincial

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#### List of TSSA Expired Facilities:

Federal Convictions:

#### 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

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:

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 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

Fisheries & Oceans Fuel Tanks:

#### Fuel Storage Tank:

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:

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:

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:

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

162

Provincial

Federal

Federal

FXP

**FCON** 

FCS

FOFT

FST

**FSTH** 

GEN

Federal

Provincial

Provincial

Provincial

Federal

GHG

NCPL

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TSSA Historic Incidents:

## 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 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: 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

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

Landfill Inventory Management Ontario: I IMO 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: 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,

Mineral Occurrences: **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.

of spill, damage incurred, and amount, concentration, and volume of materials released. Government Publication Date: 1974-1994\*

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

latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1846-Jan 2019

Government Publication Date: 1998-2009\*

## 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

#### Non-Compliance Reports:

163

Provincial

#### 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.

HINC

IAFT

Federal The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both

Provincial

Provincial

Private

Provincial

Provincial

#### Order No: 20190920010

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Oil and Gas Wells:

## National Defense & Canadian Forces Fuel Tanks:

#### 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.

under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type

Government Publication Date: Up to May 2001\*

Government Publication Date: Mar 1999-Apr 2018

#### National Defense & Canadian Forces Spills: The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified

of spill, as well as the quantity of substance spilled & recovered.

#### National Defence & Canadian Forces Waste Disposal Sites:

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\*

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available.

#### National Energy Board Pipeline Incidents: 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

#### 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 Energy Board Wells:

#### National Environmental Emergencies System (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: 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:

## 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

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

Federal

Federal

Federal

Federal

Federal

**NEBI** 

NDFT

NDSP

NDWD

NEBP

NEES

Federal

Federal

Federal

Private

OGWF

NPRI

Ontario Oil and Gas Wells:

Government Publication Date: 1800-Jun 2019

#### 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.

geology/stratigraphy table information, plus all water table information is also provide for each well record.

Orders: 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.

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

Private Canadian Pulp and Paper: 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: 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\*

#### 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

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: PRT

Government Publication Date: 1989-1996\*

Permit to Take Water:

165

TSSA Pipeline Incidents:

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.

Ontario Regulation 347 Waste Receivers Summary: Provincial 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

# Inventory of PCB Storage Sites:

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Government Publication Date: 1994-Aug 31, 2019

Provincial Pesticide Register: PES

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: 1994-Aug 31, 2019

Provincial

#### OOGW

OPCB

Provincial

Provincial

PCFT

PINC

Federal

Provincial

Provincial

Provincial

RFC

PTTW

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TSSA Variances for Abandonment of Underground Storage Tanks:

Record of Site Condition:

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:

**Ontario Spills:** 

Scott's Manufacturing Directory:

Anderson's Storage Tanks:

or propane storage tanks. Government Publication Date: 1999-Jul 31, 2019

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

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and /

Government Publication Date: 1992-Mar 2011\*

Wastewater Discharger Registration Database:

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

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

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\*

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

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liguid 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

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Transport Canada Fuel Storage Tanks:

Private

Private

Provincial

Provincial SRDS

Private

Federal

Provincial

VAR

Provincial

RSC

RST

SCT

SPI

TANK

TCFT

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Government Publication Date: Feb 28, 2019

#### Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

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:

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.

## Waste Disposal Sites - MOE CA Inventory:

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

Provincial

**WDS** 

Provincial

Provincial

**WWIS** 

**WDSH** 

# 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.

<u>Map Key:</u> 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.'

<u>Unplottables</u>: 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.

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# **APPENDIX**

# C REGULATORY RESPONSE



Good afternoon,

Thank you for your request for confirmation of public information. e - 11

nst Numb 🚬	Context I	Address 🗾	City 🗋	Provin	Postal Co	Inststatusname	Segment1
220989	FS Facility	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS PRIVATE FUEL OUTLET - SELF SERVE
3227485	FS Fuel Oil Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS FUEL OIL TANK
3227486	FS Fuel Oil Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS FUEL OIL TANK
0392813	FS Fuel Oil Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS FUEL OIL TANK
0436979	FS Fuel Oil Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS FUEL OIL TANK
0436980	FS Fuel Oil Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS FUEL OIL TANK
3227482	FS Fuel Oil Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS FUEL OIL TANK
3227483	FS Fuel Oil Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS FUEL OIL TANK
3227484	FS Fuel Oil Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS FUEL OIL TANK
0902356	FS Liquid Fuel Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS LIQUID FUEL TANK
0902323	FS Liquid Fuel Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS LIQUID FUEL TANK
0902338	FS Liquid Fuel Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS LIQUID FUEL TANK

\_mid\_=392 and email the completed form to public information services@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

, acututes 345 Carlingview: Drive Toronto, Ontario M9W 6N9 Tort: +1.416-734-3363 | Fax: +1.416-231-6183 | E-Mail: <u>sthompson@issa.org</u> 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

usp

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

2611 Queensview Drive

Ottawa, Ontario K2B 8K2 Canada

wsp.com

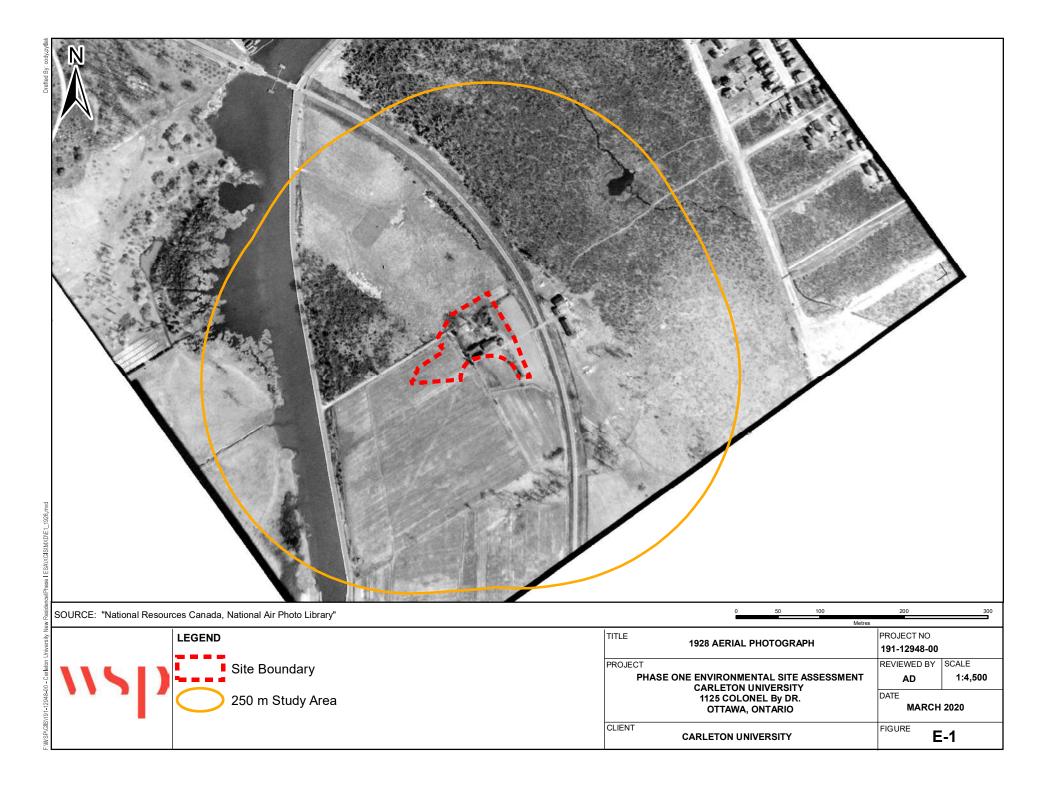
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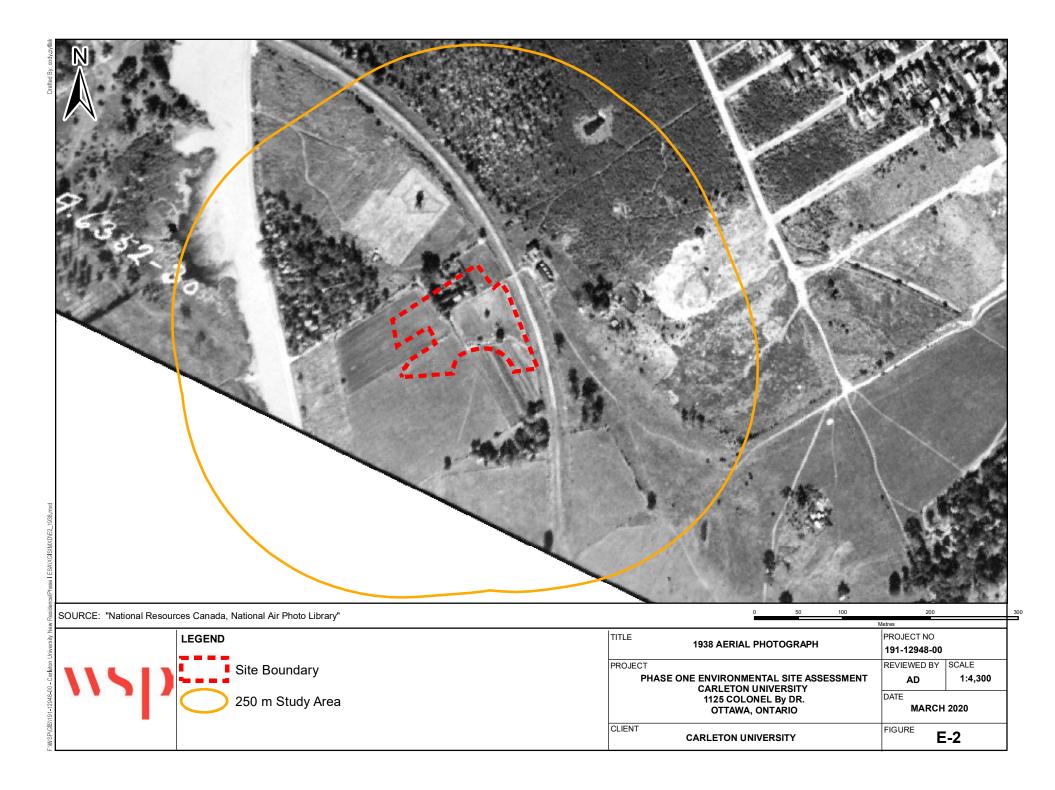
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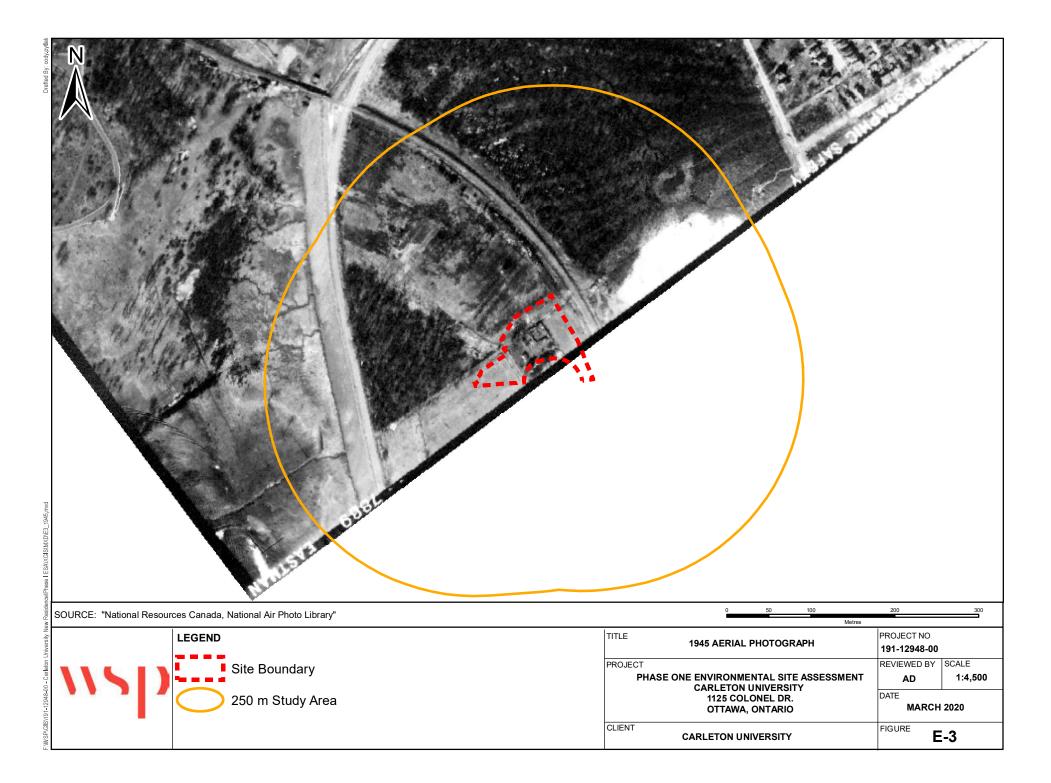
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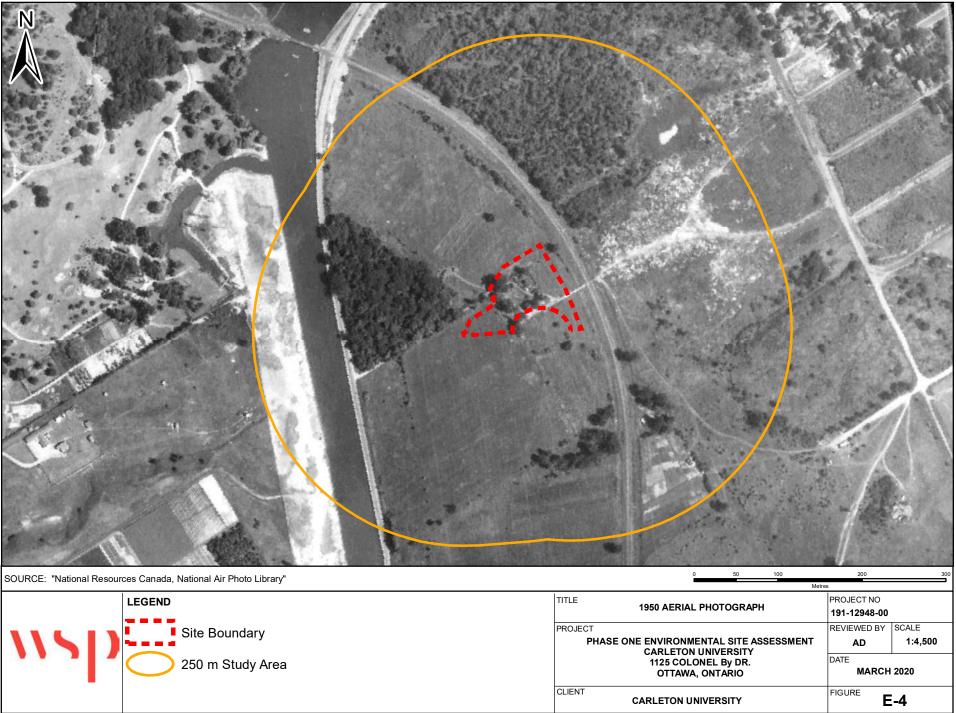
# **APPENDIX**

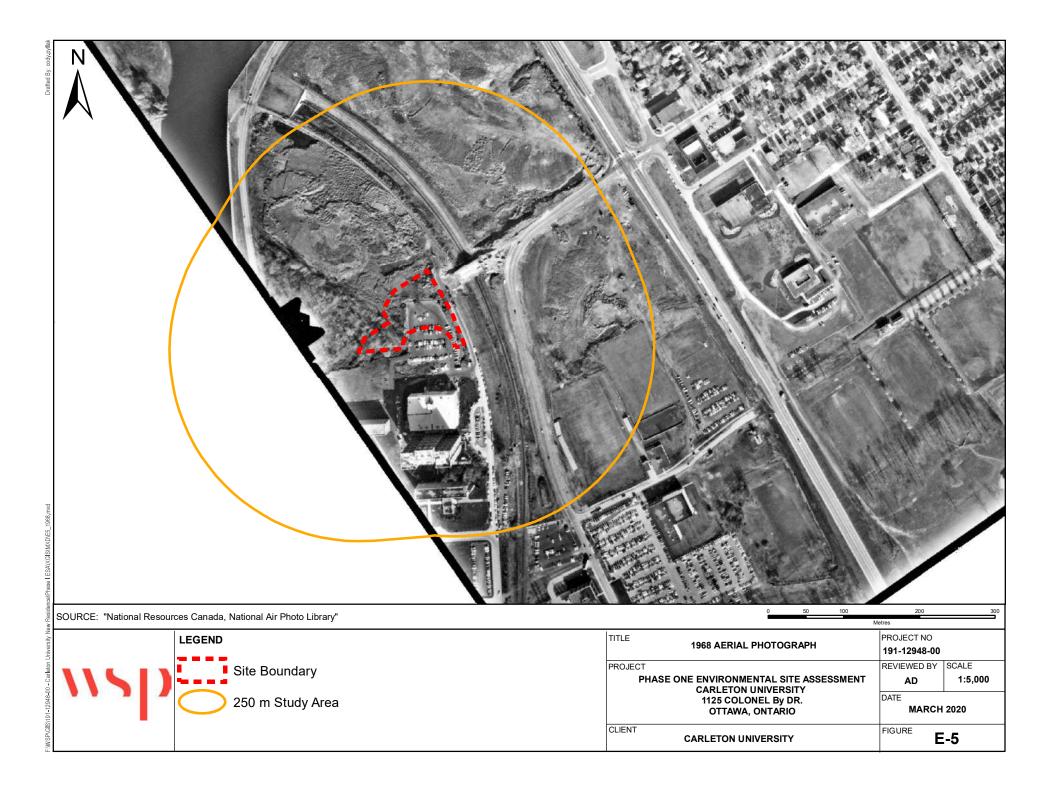
# D AERIAL PHOTOGRAPHS

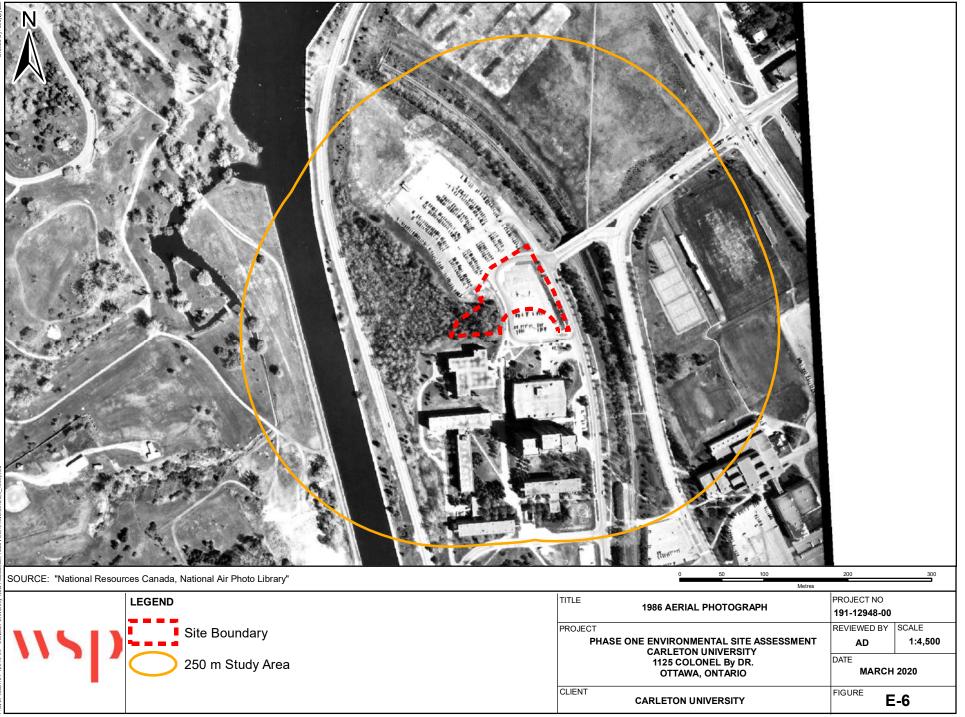


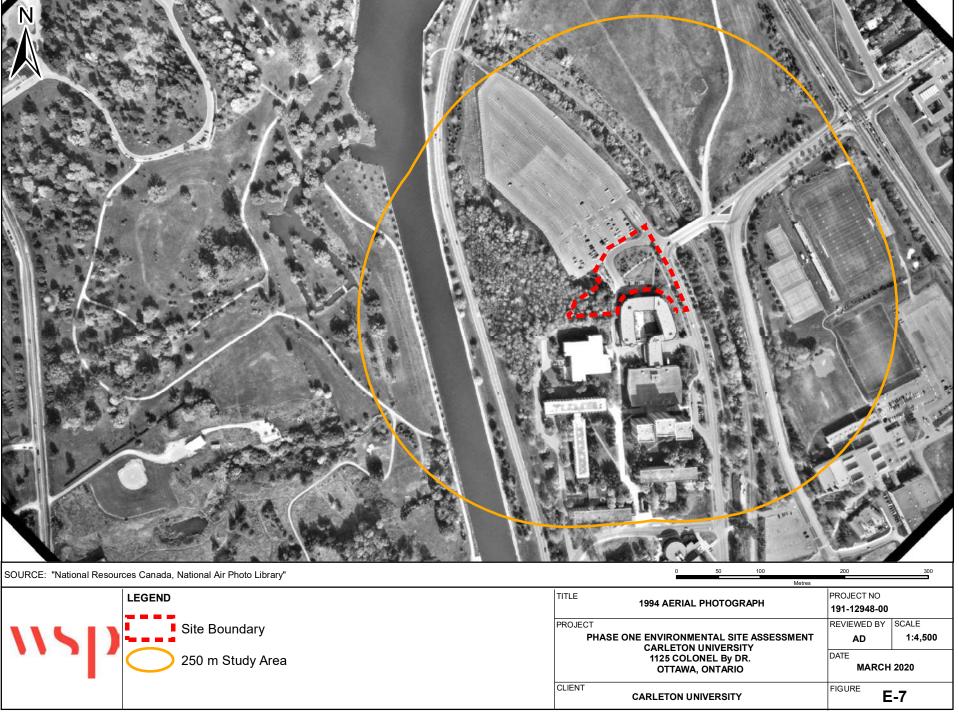














# E SITE PHOTOGRAPHS

# vsp

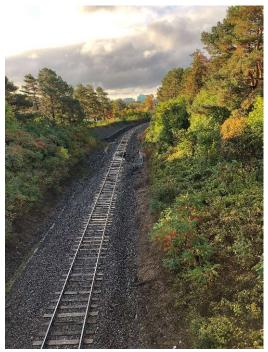


1. View of Phase One Property, facing south towards centre of landscaped area and existing residences.



2. View Phase One Property, facing southeast

# wsp



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

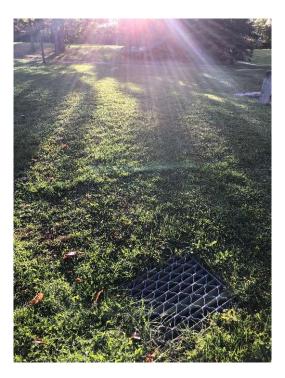


4. View of adjacent residence to the west (Leeds House)

# vsp



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

# vsp



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



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