CANADA POST CORPORATION

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

VACANT FORMER AGRICULTURAL PROPERTY

FEBRUARY 10, 2023

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CANADA POST CORPORATION

PROJECT NO.: OESAO2132.4
DATE: FEBRUARY 10, 2023

WSP E&I CANADA LIMITED
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“Effective September 21, 2022, Wood Environment & Infrastructure Solutions Canada Limited is now operating as WSP E&I Canada Limited. No other aspects of our legal entity, contractual terms or capabilities have changed in relation to this report submission.”

February 10, 2023

Canada Post Corporation
2701 Riverside Drive
Ottawa, Ontario
K1A 0B1

Attention: **Emily Payton**
Specialist, Real Estate, Environment & Sustainability

Dear Madam/Sir:

Subject: **Phase One Environmental Site Assessment**
Vacant Former Agricultural Property
50 Leikin Drive, Ottawa, Ontario

Please find enclosed one (1) electronic copy, in PDF format, of our draft report entitled *Phase I Environmental Site Assessment, Vacant Former Agricultural Property, 50 Leikin Drive, Ottawa, Ontario.*

We thank you for entrusting us with this assignment and await any comments you may have prior to finalizing the report. In the meantime, should you have any questions or require any additional information, please do not hesitate to contact the undersigned.

Yours sincerely,

WSP E&I Canada Limited

Kevin Hicks, M.Sc., P.Geo., QP_{ESA}
Principal Hydrogeologist

Enclosure (1)

WSP ref.: OESAO2132.4

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QUALITY MANAGEMENT

ISSUE/REVISION	FIRST ISSUE	REVISION 1	REVISION 2	REVISION 3
Remarks	Draft report			
Date				
Prepared by	Lindsey Blythe			
Signature				
Checked by	Kevin Hicks			
Signature				
Authorised by	Kevin Hicks			
Signature				
Project number	OESAO2132.4			

EXECUTIVE SUMMARY

WSP E&I Canada Limited ("WSP") was retained by Canada Post Corporation ("CPC") to conduct a Phase One Environmental Site Assessment (ESA) of a vacant former agricultural property located at 50 Leikin Drive, Ottawa, Ontario (hereinafter referred to as the "Phase One Property"). The Phase One Property is identified in Ontario Land Titles (LT) as Property Identification Number (PIN) 04733-6646 and is legally described as Part 1 of Block 2 Registered Plan 4M-1354 in the City of Ottawa. The Phase One Property is currently owned by CPC and consisted of a vacant undeveloped lot at the time this report was prepared .

CPC retained WSP to provide an evaluation of known and possible environmental issues at the Phase One Property in support of its development as a postal facility. This Phase One ESA was conducted in accordance with the requirements of Schedule D of *Ontario Regulation 153/04 – Records of Site Condition, Part XV.1 of the Environmental Protection Act (EPA Part XV.1 of the Environmental Protection Act (EPA)*, as amended ("O.Reg. 153/04") and is intended to support the filing of a Record of Site Condition (RSC), if so required. This Phase One ESA was carried out in accordance with the Terms of Reference provided in WSP's proposal / work agreements POESAO21841 dated 8 November 2021 and POESAO23010 dated January 10, 2023.

In accordance with the requirements of Schedule D of O.Reg. 153/04, the Phase One ESA for the Phase One Property included: 1) a records review; 2) interviews with one or more person having knowledge of the Phase One Property; 3) a reconnaissance of the Phase One Property and Phase One study Area; 4) an evaluation of the information gathered from the records review, interviews, and site reconnaissance; 5) preparation of this Phase One ESA report; and, 6) submission of this Phase One ESA report to the owner of the Phase One Property.

Under the supervision of Kevin Hicks, M.Sc., P.Geo., Qualified Person, Kaitlin Hunt, B.Sc. Hon. of WSP conducted a reconnaissance of the Phase One Property on 12 November 2021 to evaluate current and past uses and Potentially Contaminating Activities (PCA) on, in or under the Phase One Property and, as practicable, current and past uses and activities and Potentially Contaminating Activities in the Phase One Study Area that may have and/or are currently impacting the environmental condition of the Phase One Property. Ground cover conditions at the time of the site reconnaissance were wet which may have limited Wood's observations. Prior to the site reconnaissance, WSP interviewed Mr. Frank Aiello (the "Phase One Property representative"), the former owner of the Phase One property owner prior to CPC's acquisition, via telephone prior to conducting the property visit. The Phase One Property representative was unable to provide any substantive historical information concerning the Phase One Property, having limited knowledge concerning the Phase One Property and given their brief period of ownership.

The Phase One Property is located on the west side of Leikin Drive at the intersection of Bill Leatham Drive in the Rideau Crest – Davidson Heights neighbourhood of Ottawa (formerly Nepean), Ontario. The Phase One Property lies in a municipal urban setting in an area of mixed commercial, light industrial, parkland and open greenspace land uses. According to historical records obtained by WSP, including fire insurance plans and aerial photography, and from discussions with the Phase One Property representative, the Phase One Property has never been developed. The site used as agricultural growing field from prior to 1936 up until 1991.

The findings of the Phase One ESA completed by WSP have identified several past or present uses on, in or under the Phase One Property, and Potentially Contaminating Activities on, in or under the Phase One Property or within the Phase One Study Area, that comprise Areas of Potential Environmental Concern (APEC) on the Phase One Property where one or more contaminants may be present.

Based on the findings of this Phase One ESA, three (3) Potentially Contaminating Activities were identified at the Phase One Property that result in Areas of Potential Environmental Concern at the Phase One Property where one or more COPC may be present. Four (4) Potentially Contaminating Activities were identified on properties within the Phase One Study Area, one (1) of which is considered to result in an additional Area of Potential Environmental Concern at the Phase One Property where one or more COPC may be present. The Areas of Potential Environmental Concern identified at the Phase One Property include the following:

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of Potentially Contaminating Activity (on-site or off-site)	Media Potentially Impacted	Contaminants of Potential Concern
APEC 1 – Importation and stockpiling/staging of fill of unknown quality and origin	On-site	30. Importation of Fill Material of Unknown Quality	On-site	Soil	Metals, As, Sb, Se, B-HWS, Cr(VI), Hg, PHC F1 – F4
APEC 2 – Potential historical use of pesticides and/or herbicides to control insect populations and/or weed growth	On-site	40. Pesticides (including Herbicides, Fungicides, and Anti-Fouling Agents), Manufacturing, Processing, Bulk Storage, and Large-Scale Applications	On-site	Soil, groundwater	OCP, HPA, metals
APEC 3 – Elevated levels of Ba, B, Cr, Co and V in fine textured Champlain Sea sediments	On-site	Non-listed PCA, Identified by QP	On-site	Soil	Ba, B, Cr, Co and V
APEC 4 – Potential chlorinated solvent use at adjacent property to the west	On-site, adjacent west	19. Electronic and Computer Equipment Manufacturing	On-site, adjacent west	Groundwater	VOC

As, Sb, Se – Arsenic, Antimony and Selenium (hydride metals)
B – HWS – Boron, Hot Water Soluble
Cr (VI) –Hexavalent Chromium
Hg – Mercury

Metals – (Ba, Be, B, Cd, Cr, Co, Cu, Pb, Mo, Ni, Ag, Tl, U, V, Zn) OCPs – Organochlorine Pesticides
PHCs – Petroleum Hydrocarbons
VOCs – Volatile Organic Compounds

Contaminants of potential concern (COPC) associated with the above noted Areas of Potential Environmental Concern include metals, hydride forming metals (As, Sb, Se), hot water soluble boron (B-HWS), hexavalent chromium (Cr(VI)), mercury (Hg), petroleum hydrocarbons (PHC), organochlorine pesticides (OCP), phenoxy acid herbicides (HPA), and volatile organic compounds (VOC).

Based on the findings of this Phase One ESA, a Phase Two ESA will be required at the Phase One Property before an RSC can be submitted. The specific objectives of the investigation would be to assess the Areas of Potential Environmental Concern identified at the Phase One Property in the context of the existing regulatory framework and legislation regarding contaminated sites and Brownfields in the Province of Ontario to confirm whether contaminants are present on, in or under the Phase One Property, and, if so, what the contaminants are, where they are located on, in or under the Phase One Property and at what concentrations. Although it is recognized that an RSC is not required to be filed in support of development, a Phase II ESA is recommended as

in support of overall due diligence initiatives as well as to provide a preliminary assessment of soil quality in support of excess soil management planning.

NOTE: The Executive Summary highlights the key points of the Phase One ESA only. For complete information and findings, as well as the limitations, the reader should examine the complete report.

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LIST OF ACRONYMS AND ABBREVIATIONS

APEC	Area of Potential Environmental Concern
AST	Aboveground Storage Tank
CCME	Canadian Council of Ministers of the Environment
C of A	Certificate of Approval
COPC	Contaminant of Potential Concern
CSA	Canadian Standards Association
ECA	Environmental Compliance Approval
ERIS	Environmental Risk Information Services
ESA	Environmental Site Assessment
FCSI	Federal Contaminated Sites Inventory
FIP	Fire Insurance Plan
FOI	Freedom of Information
HEIRS	Historical Environmental Information Reporting System
HLUI	Historical Land Use Inventory
HPA	Phenoxy Acid Herbicides
HWIN	Hazardous Waste Information Network
masl	Metres Above Sea Level
MECP	Ministry of the Environment, Conservation and Parks
MOL	Ministry of Labour
MSDS	Material Safety Data Sheet
OCP	Organochlorine Pesticide
OGS	Ontario Geological Survey
OHSA	Occupational Health and Safety Act
OLMS	Old Landfill Management Strategy
PCA	Potentially Contaminating Activity
PCB	Polychlorinated Biphenyls
PHC	Petroleum Hydrocarbon
RSC	Record of Site Condition
TSSA	Technical Standards and Safety Authority
UST	Underground Storage Tank
VOC	Volatile Organic Compound

1 INTRODUCTION

WSP E&I Canada Limited ("WSP") was retained by Canada Post Corporation ("CPC") to conduct a Phase One Environmental Site Assessment (ESA) of a vacant former agricultural property located at 50 Leikin Drive, Ottawa, Ontario (hereafter referred to as the "Phase One Property").

1.1 PHASE ONE PROPERTY INFORMATION

The Phase One Property is currently owned by Canada Post Corporation and comprises a vacant property formerly used for agricultural purposes (crop fields). More recently, the Phase One Property has been used for the storage of vehicles and equipment. The Phase One Property is a rectangular shaped parcel with a frontage of approximately 280 meters along Bill Leathem Drive and a lot depth of approximately 345 metres parallel to Leikin Drive. A key plan showing the location of the Phase One Property is provided on Figure 1.

The Phase One Property is identified in Ontario Land Titles (LT) as Property Identification Number (PIN) 04733-6646 and is legally described as Part 1, Block 2, Plan 4M-1354; City of Ottawa. A copy of the plan of survey is provided in Appendix A.

The Phase One Property is located on the west side of Leikin Drive, at the intersection of Bill Leatham Drive in the Rideau Crest – Davidson Heights Neighbourhood of Ottawa (formerly Nepean), Ontario (Figure 1). The Phase One Property lies in a municipal urban setting in an area of primarily commercial, light industrial, parkland, and open greenspace uses.

The Phase One Property consist of vacant undeveloped land. Based on available historical data the Phase One Property has never been developed with any structures or other improvements. A generalized site plan depicting the layout of the Phase One Property is provided on Figure 2.

General information concerning the Phase One Property is provided in Table 1 below.

Table 1.1 Phase One Property Information

Municipal Address:	50 Leikin Drive, Ottawa (Nepean), Ontario (aka 88 Leikin Drive)				
Legal Description:	Part 1, Block 2, Plan 4M-1354; City of Ottawa				
Property Identification Number (PIN):	04733-6646				
Assessment Roll Number:	N/A				
Property Area:	Approximately 9.07 hectares (22.4 acres)				
UTM (NAD 83):	Zone:	18	Easting:	444475	Northing: 5016040
Current Phase One Property Use:	N/A				
Proposed Phase One Property Use:	Agricultural				
Municipal Zoning:	Light Industrial				
Phase One Property Dimensions:	Frontage:	280 m	Lot Depth:	345 m	

WSP was retained by (CPC) to prepare this Phase One ESA. It is WSP's understanding that the Phase One ESA is required in support of the potential acquisition of the Phase One Property and that this Phase One ESA will not be used to support the filing of an RSC to the Environmental Site Registry (ESR) for the Phase One Property.

Contact information for the owner of the Phase One Property is provided in Table 2 below.

Table 1.2 Phase One Property Owner Information

Phase One Property Owner	Owner Name	Contact Info
Client or Authorizing Agent (if different from the Phase One Property Owner)	Canada Post Corporation	Emily Payton Specialist, Real Estate, Environment & Sustainability 2701 Riverside Drive, Suite N0122 Ottawa ON K1A 0B1 Cell: 343-550-9041 emily.payton@canadapost.ca

2 SCOPE OF WORK

A Phase One ESA is defined as a qualitative process to systematically assess the environmental condition of a property based on its historical and current use. The general objectives of a Phase One ESA are to achieve the following: 1) to develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in or under the Phase One Property; 2) to determine the need for a Phase Two Environmental Site Assessment; 3) to provide a basis for carrying out any Phase Two Environmental Site Assessment required; and 4) to provide adequate preliminary information about environmental conditions in the land or water on, in or under the Phase One Property for the conduct of a risk assessment following completion of a Phase Two Environmental Site Assessment.

CPC retained WSP to provide an evaluation of known and possible environmental issues at the Phase One Property in support of its development as a postal facility. This Phase One ESA was conducted in accordance with the requirements of Schedule D of *Ontario Regulation 153/04 – Records of Site Condition, Part XV.1 of the Environmental Protection Act (EPA Part XV.1 of the Environmental Protection Act (EPA)*, as amended ("O.Reg. 153/04") and is intended to support the filing of a Record of Site Condition (RSC), if so required. This Phase One ESA was carried out in accordance with the Terms of Reference provided in WSP's proposal / work agreements POESAO21841 dated 8 November 2021 and POESAO23010 dated January 10, 2023.

In accordance with the requirements of Schedule D of O.Reg. 153/04 the Phase One ESA for the Phase One Property included the following components:

- A records review;
- Interviews with one or more person having knowledge of the Phase One Property;
- A reconnaissance of the Phase One Property and Phase One study Area;
- An evaluation of the information gathered from the records review, interviews, and site reconnaissance;
- The preparation of a Phase One ESA report; and,
- The submission of the Phase One ESA report to the owner of the Phase One Property.

The scope of work carried out in completing this Phase One ESA consisted of the following activities and tasks:

- Reviewing the historical occupancy of the Phase One Property and surrounding properties within the Phase One Study Area through the use of available archived and relevant (in WSP's opinion) municipal and business directories, fire insurance plans (FIP), historical plans (if applicable), underwriters' reports, topographic maps and aerial photographs to identify past or present uses and/or Potentially Contaminating Activities and/or land uses that may have impacted its environmental condition and to document the history of the Phase One Property to its first development or 1875, whichever is earlier;
- Reviewing available topographic and geologic maps and water well records for Phase One Property and Phase One Study Area to determine the general physiological, geological and hydrogeological setting for the Phase One Property and Phase One Study Area and the locations of any water bodies therein;
- Conducting a "walk-through" visual assessment (i.e., site reconnaissance) of the Phase One Property and building facilities to observe the current Phase One Property activities and operations and any associated land use practices and/or Potentially Contaminating Activities (PCA) that may have impacted the Phase One Property's environmental condition;

- Conducting a visual reconnaissance of the Phase One Study Area from publicly accessible areas to identify the surrounding land use activities and any associated land use practices and/or Potentially Contaminating Activities that may have impacted their environmental condition;
- Conducting interviews with designated representative(s) as a resource for current and historical Phase One Property information, as well as to provide WSP staff with unrestricted access to all areas of the Phase One Property and its buildings (as required by *O. Reg. 153/04*);
- Reviewing available company records including but not necessarily limited to site/building plans, operational records, production and maintenance records, (material) safety data sheets, chemical inventories, permits and approvals, and previous environmental and/or geotechnical reports;
- Contacting municipal, provincial and federal agencies and local conservation authorities to determine the existence of records of environmental regulatory non-compliance, areas of natural significance, environmentally sensitive areas, and wellhead protection areas, if any, and reviewing such records where available. It should be noted that responses from these agencies may not be received prior to preparation of the report. CPC will be notified when a response is received and advised of any additional costs to obtain these records;
- Obtaining a search of land titles and assessment rolls for the Phase One Property;
- Obtaining an Environmental Risk Information Services Ltd. (ERIS) database report for the Phase One Property and surrounding properties within the Phase One Study Area including but not limited to searches of databases for registered PCB storage sites, active and closed landfill sites, waste generator registrations, Certificates of Approval/Environmental Compliance Approvals ;
- Obtaining copyrighted FIPs and/or privately held Property Underwriters' Reports and Property Underwriters' Plans for the Phase One Property from Opta Information Intelligence ("Opta") through its Historical Environmental Information Reporting System (HEIRS™) and reviewing such records, where available;
- Evaluating the findings obtained through the tasks identified to determine if Areas of Potential Environmental Concern that may be impacting the quality of soil and/or groundwater, exist at the Phase One Property through observations about current and past uses and Potentially Contaminating Activities on, in or under the Phase One Property and, as practicable, current and past uses and activities and Potentially Contaminating Activities in the Phase One Study Area; and,
- Preparing a report of our findings in accordance with Table 1. Mandatory Requirements for Phase One Environmental Site Assessment Reports of Schedule D of O.Reg.153/04.

2.1 REPORT FORMAT

This Phase One ESA report has been prepared in general accordance with O. Reg. 153/04, Schedule D – Phase One Environmental Site Assessments. As specified in Table 1 of Schedule D, "Mandatory Requirements for Phase One ESA Reports" this Phase One ESA report has been prepared with the following section headings:

Executive Summary

Section 1 - Introduction

Section 2 - Scope of Investigation

Section 3 - Records Review

Section 4 - Interviews

Section 5 - Site Reconnaissance

Section 6 - Review and Evaluation of Information

Section 7 – Conclusions

Section 8 – References

Section 9 - Closure

Appendices including a current plan of survey of the Phase One Property that has been prepared, signed and sealed by a surveyor and a topographic map (Ontario Base Map series) that includes the Phase One Study Area additional supporting information are provided at the end of this report.

2.2 REPORT PREPARATION

This report was prepared by Kaitlin Hunt, B.Sc. Hon. and Lindsay Blythe, M.Sc., of WSP under the supervision of Kevin Hicks, M.Sc., P.Geo., Qualified Person for ESAs (QP_{ESA}) as defined by O. Reg. 153/04. The report was reviewed by Kevin Hicks, M.Sc., P.Geo. All activities of the Phase One Environmental Site Assessment were completed under the supervision of a Qualified Person as defined by *O.Reg. 153/04*, as amended. In addition, the Qualified Person prepared the Conceptual Site Model, in accordance with Part VII of the Regulation. Statements of qualifications for the above-noted personnel are provided in Appendix H.

2.3 ASSUMPTIONS AND LIMITATIONS

WSP has prepared this Phase One ESA using reasonable efforts to identify Potentially Contaminating Activities, or past or present land uses on, in or under the Phase One Property or within the Phase One Study Area, that comprise Areas of Potential Environmental Concern on the Phase One Property where one or more contaminants may be present. The findings presented in this Phase One ESA have been made applying professional judgment based on the facts currently available to WSP within the limits of the existing data, scope of work, budget, and schedule.

Background information gathered for surrounding properties was limited to information that was readily available during the course of this assessment. Historical records reviewed generally included records available for properties located adjacent to or within 250 m radius of the Phase One Property centroid or boundaries, except where noted otherwise in this Phase One ESA. This assessment included an overview of the adjacent or surrounding properties and does not constitute a complete assessment of those properties.

In evaluating the property, WSP has relied in good faith on information provided by other individuals noted in this report. WSP has assumed that responses to questions during interviews have been truthful, and that information contained in previous reports for the Phase One Property or surrounding properties, where available, is accurate unless contradicted by WSP's observations or contradicted by other credible referenced sources reviewed.

Independent data research companies including Environmental Risk Information System (ERIS) and Opta Information Intelligence were contracted to provide WSP with the government and public agency database

search report, fire insurance plans, underwriters' reports and plans, and urban and rural directories referenced in this Phase One ESA. The information provided from the searches was assumed to be true and accurate unless obviously contradicted by WSP's observations or contradicted by another credible referenced source reviewed by WSP.

Our discussion of information included herein and as provided by the Client, or as publicly available information, should not be considered as a peer review by WSP, but rather as a presentation of factual information. Specifically, WSP has not been provided with Third Party Reliance on the records referenced herein and, therefore, WSP accepts no responsibility for the validity and accuracy of the information contained therein.

WSP did not conduct any intrusive investigations in completing the scope of work. No sampling and/or analyses of soil, sediment, water, liquid, gas or air was performed at or in the vicinity of the Phase One Property. This Phase I ESA report is not to be construed as a regulatory compliance audit or review. Although Section 6.0 of this report discusses designated substances and hazardous materials normally reviewed as part of a Phase I ESA including asbestos containing materials (ACM), lead, mercury, ozone depleting substances (ODS), polychlorinated biphenyls (PCB) and mould, the review was performed at a cursory level and for the Phase One Property as a whole. No sampling or analytical testing for designated substances and/or hazardous materials was performed. This report should thus not be construed as a designated substance or hazardous materials survey or assessment. Recommendations made with respect to these items are provided as guidance only.

3 RECORDS REVIEW

A records review was completed to obtain and review records pertaining to the Phase One Property and properties within the Phase One Study Area and the current and past uses and activities and Potentially Contaminating Activities at the Phase One Property and within the Phase One Study Area that may have or may be affecting the Phase One Property in order to determine if an Area of Potential Environmental Concern (APEC) exists at the Phase One Property. Potentially contaminating activities on the Phase One Property and within the Phase One Study Area identified during the records review are summarized in Tables 6.2 and 6.3, respectively. Areas of Potential Environmental Concern occurring at the Phase One Property as a result of the potentially contaminating activities and/or current or past uses are identified in Table 6.4.

Potentially Contaminating Activities on the Phase One Property and within the Phase One Study Area identified during the records review and the resulting Areas of Potential Environmental Concern are summarized in Table 6.2.

3.1 GENERAL

3.1.1 PHASE ONE STUDY AREA DETERMINATION

The Phase One Study Area means the area that includes a Phase One property, any other property that is located, wholly or partly, within 250 metres from the nearest point on a boundary of the Phase One Property and any property that the Qualified Person determines should be included as a part of the Phase One Study area. The Qualified Person determined the default 250 m radius around the Property was sufficient to identify Potentially Contaminating Activities and/or past or present uses that could potentially result in Areas of Potential Environmental Concern on, in or under the Phase One Property based on the geology, the historical development and land use on the Phase One Property and surrounding area. No additional properties outside the 250 m radius were included in the Study Area. The Phase One Study Area is shown on Figure 3.

3.1.2 FIRST DEVELOPED USE DETERMINATION

According to historical records obtained by WSP, including fire insurance plans and aerial photography, and from discussions from the Phase One Property representatives, the Phase One Property has never been developed.

The Phase One Property is located on the west side of Leikin Drive at the intersection of Bill Leatham Drive in the Rideau Crest – Davidson Heights neighbourhood of Ottawa (formerly Nepean), Ontario. The Phase One Property lies in a municipal urban setting in an area of primarily commercial, light industrial, parkland and open greenspace land uses.

3.1.3 FIRE INSURANCE PLANS

Fire Insurance Plans (FIP) were first published in 1875 and typically included coverage of hamlets, villages, towns or cities. Publication of FIPs was discontinued in 1975 due to escalating production costs and declining

demand. Fire insurance plans prepared in Canada between 1875 and 1975 have been catalogued by Dubreuil and Woods (2002).

Fire insurance plans (FIP) were not available for the Phase One Property or surrounding properties from the Library and Archives Canada collection. The unavailability of FIPs for the Phase One Property commonly suggests that the area was undeveloped at the time FIPs were in use (i.e., circa 1875 to 1975).

3.1.4 PROPERTY UNDERWRITERS' REPORTS AND PLANS

Property Underwriters' Reports and/or Property Underwriters' Plans were not obtained for the Phase One Property or surrounding properties as they are considered unlikely to contribute any useful information regarding the environmental condition at the Phase One Property, given that the Phase One Property and surrounding properties were predominantly not developed until the late 1990s.

3.1.5 CHAIN OF TITLE

A chain of title search was completed for the Phase One Property, based on the legal descriptions and related PIN, to assess the first developed use, document the ownership of the Phase One Property from its transfer from the Crown to the present owner, and to identify title documents of potential environment significance.

A portion of the Phase One Property (Lot 17, Con 1 RF Nepean) was under private ownership until July 30, 1969, at which time title was transferred to Acclaim Development Corporation (Ottawa) Limited. Title was transferred to Harold Socks in December of 1969, 402025 Ontario Limited in September of 1979, and finally to the City of Nepean in June of 1990. The secondary portion of the Phase One Property (Lot 18, Con 1 RF Nepean) was under private ownership until July 9, 1964, at which time title was transferred to Zena Holdings Limited. Title was then transferred to the City of Nepean in June of 1990. The two portions of the Phase One Property were amalgamated and transferred to JDS Uniphase Inc. in January of 2000, then to Minto Developments Inc. (name change to Minto Properties Inc.) in June of 2005 and finally to 2717605 Ontario Limited in January of 2020.

A copy of the chain of title is included in Appendix B.

3.1.6 CITY DIRECTORIES

City directories were not obtained for the Phase One Property or surrounding properties as they are considered unlikely to contribute any useful information regarding the environmental condition at the Phase One Property, given that the Phase One Property and surrounding properties were predominantly not developed until the late 1990s.

3.1.7 PREVIOUS ENVIRONMENTAL SITE ASSESSMENTS AND GEOTECHNICAL REPORTS

The following Geotechnical and Environmental Site Assessment reports were provided to Wood.

Title:	Preliminary Geotechnical Investigation
Author:	Paterson Group Inc. ("Paterson")
Date:	June 11, 2008

Prepared for:	Minto Urban Communities
Summary:	
Paterson carried out a preliminary geotechnical investigation at South Merivale Business Park on Bill Leathem Drive to determine subsoil and groundwater conditions at the property and provide a geotechnical recommendation for the design of a proposed development. This included four boreholes advanced on the eastern and western portions of the Phase One Property. The subsoil conditions were found to consist of topsoil overlying silty clay underlain by glacial till. Evidence of fill placement was noted on the central portion of the property (including both borehole locations on the southern portion of the Phase One Property), varying in thickness from 2.0 m to 2.6 m. Groundwater levels recorded varied from 1.73 m to 9.53 m.	

Title:	Phase I – Environmental Site Assessment
Author:	
Date:	February 27, 2014
Prepared for:	**Minto Properties Incorporated**
Summary:	
Paterson conducted a Phase I ESA at 2, 35 and 102 Bill Leathem Drive to identify potential environmental concerns at the subject properties and surrounding properties and their likelihood of impacting the subject properties. Paterson noted that the subject properties appeared to have been used for agricultural purposes since at least 1962 (based on aerial photography). Additionally, stockpiles of fill were noted on the subject properties, which was inferred by Paterson to consist of native silty clay excavated from the nearby stormwater management ponds and adjacent roadways. A Phase II ESA was not recommended by Paterson at the time.	

Title:	Phase I – Environmental Site Assessment Update
Author:	Paterson Group Inc. (“Paterson”)
Date:	October 10, 2019
Prepared for:	Cityscape
Summary:	
Paterson prepared an update to the 2014 Phase I ESA in regard to 35 Bill Leathem Drive only (the Phase One Property). Paterson noted that a stockpile of stone and soil was present at the end of the gravel roadway on the western portion of the Phase One Property. Additionally, small piles of asphalt and concrete were noted within the larger stockpile. Paterson stated that fill was historically placed on the northwestern corner of the Phase One Property during construction of the building immediately west of the Phase One Property. Two pad-mounted transformers were present adjacent the southern and eastern site boundaries and were installed in 2017. A Phase II ESA was not recommended by Paterson.	

3.2 ENVIRONMENTAL SOURCE INFORMATION

Environmental source information was acquired from a variety of sources including municipal records, provincial records, and federal records. In addition to these sources, WSP retained Environmental Risk Information Services (ERIS) to prepare a database report for properties within the Phase One Study Area. The ERIS database report includes all information sources or documents referred to in paragraph 7 of subsection 3

(2) of O.Reg. 153/04. It noted that information presented in the ERIS database report may be duplicated where searches of the originating or source database have also been completed by WSP.

3.2.1 MUNICIPAL RECORDS

3.2.1.1 CITY OF OTTAWA HISTORICAL LAND USE INVENTORY

HLUIs were not obtained for the Phase One Property or surrounding properties as they are considered unlikely to contribute any useful information regarding the environmental condition at the Phase One Property, given that the Phase One Property and surrounding properties were predominantly not developed until the late 1990s.

3.2.1.2 CITY OF OTTAWA OLD LANDFILL MANAGEMENT STRATEGY

In 2003 The City of Ottawa commissioned a study to identify old landfill sites within the City of Ottawa under its Old Landfill Management Strategy (OLMS). The OLMS was undertaken to protect public health, assess and minimize possible liability to the municipality and individuals and to provide information to various stakeholders associated with the old landfill sites.

A review of the OLMS report entitled *Phase 1 – Identification of Sites, City of Ottawa, Ontario* (Golder, 2003) did not identify any former landfills are located within 500 metres of the Phase One Property.

3.2.1.3 MAPPING AND ASSESSMENT OF FORMER INDUSTRIAL SITES

In 1988 the City of Ottawa commissioned a report entitled "Mapping and Assessment of Former Industrial Sites" (Intera, 1988). The report lists former industrial sites which have the potential for remnant soil and/or groundwater contamination. The identified sites are categorized into three classes designated as Group I, II, or III. Group III sites are low priority sites where it is unlikely that significant quantities of waste exist at the site today and the potential for environmental impact is therefore low. Group II sites are identified as being likely to have wastes present, however, the sites' location with respect to surface waste is such that significant environmental impacts are not likely to occur. Group I sites document sufficient evidence to indicate that wastes are present at the sites and that the potential for environmental impact is high.

A review of the report indicated that the Phase One Property and Phase One Study Area lie outside the coverage area included in the report.

3.2.2 PROVINCIAL AND FEDERAL RECORDS

Provincial and Federal environmental source information was evaluated though a review of available documents published by the Ministry of the Environment, Conservation and Parks (MECP); requests for information submitted to the MEPC and Technical Standards and Safety Authority (TSSA) made under the Freedom of Information (FOI) Act; and searches of provincial on-line registries and databases. The findings of the provincial and federal records review are summarized in the table below.

Table 3.1 Regulatory Database Information

Information Source	Findings
Ministry of the Environment, Conservation and Parks (MECP), Freedom of Information (FOI). Electronic search of records since 1985 for outstanding actions, violations, control orders, summons, complaints, spills, hazardous waste documents, or certificates of approval for the Phase	At the time of preparation of this report a response had not yet been received from the MECP. Should the MECP notify WSP that subsequent information is on file and obtainable, WSP will notify CPC of this information and the additional cost, if any, to obtain these records. If any such records

One Property submitted through Environmental Property Information (EPI) request submitted on 22 November 2021. FOI Request submitted Freedom of Information and Protection of Privacy Office on 22 November 2021	obtained alter the conclusions of this report, CPC will be notified immediately.
Technical Standards and Safety Authority (TSSA) Information concerning presence of petroleum storage tanks, fuel spill records, accidents or fuel-related incidents which may be registered for Phase One Property or surrounding properties.	TSSA information was not obtained for the Phase One Property or surrounding properties as they are considered unlikely to contribute any useful information regarding the environmental condition at the Phase One Property, given that the Phase One Property and surrounding properties were predominantly not developed until the late 1990s.
Inventory of Coal Gasification Plant Waste Sites in Ontario, (Intera, 1987)	No coal tar or coal gasification plant waste sites were listed as being present within one kilometer of the Phase One Property
Waste Disposal Site Inventory, prepared Waste Management Branch, Ontario Ministry of the Environment, June 1991.	No active or closed waste disposal sites were listed as being present within one kilometer of the Phase One Property
MECP on-line Brownfields Environmental Site Registry accessed on 22 November 2021 (https://www.ontario.ca/page/brownfields-redevelopment#section-9)	No RSCs have been filed for the Phase One Property or any of the surrounding properties
Federal Contaminated Sites Inventory (FCSI) accessed on 22 November 2021 (https://map-carte.tbs-sct.gc.ca/map-carte/dfrp-rbif/map-carte.aspx?Language=EN)	No federal contaminated sites within 250 meters of the Phase One Property

Copies of records and/or correspondence associated with the above-noted regulatory searches are provided in Appendix C.

3.2.3 ENVIRONMENTAL RISK INFORMATION SERVICES DATABASE REPORT

Environmental Risk Information Services (ERIS) is a national service that provides site-specific environmental and property use information. An ERIS database report contains detailed provincial and federal government and private sector records concerning possible environmental liabilities associated with a property and the surrounding neighbourhoods.

A complete ERIS database report was acquired for the Phase One Property. For the Phase One Property, the ERIS Project Number is 21111700343. A copy of the ERIS database report is provided in Appendix D. The databases searched by ERIS included the following:

Federal Databases	
Dry Cleaning Facilities (DRYCLEANERS)	National Defense & Canadian Forces Spills (NDSP)
Environmental Effects Monitoring (EEM)	National Defence & Canadian Forces Waste Disposal Sites (NDWD)
Environmental Issues Inventory System (EIIS)	National Energy Board Pipeline Incidents (NEBI)
Federal Convictions (FCON)	National Energy Board Wells (NEBW)
Contaminated Sites on Federal Land (FCS)	National Environmental Emergencies System (NEES)
Fisheries & Oceans Fuel Tanks (FOFT)	National PCB Inventory (NPCB)
Greenhouse Gas Emissions from Large Facilities (GHG)	National Pollutant Release Inventory (NPRI)*
Indian & Northern Affairs Fuel Tanks (IAFT)	Parks Canada Fuel Storage Tanks (PCFT)
National Analysis of Trends in Emergencies System (NATES)	Transport Canada Fuel Storage Tanks (TCFT)
National Defense & Canadian Forces Fuel Tanks (NDFT)	
Provincial Databases	
Abandoned Aggregate Inventory (AAGR)	Environmental Penalty Annual Report (MISA PENALTY)*
Aggregate Inventory (AGR)	Mineral Occurrences (MNR)

Abandoned Mine Information System (AMIS)
Borehole (BORE)
Certificates of Approval (CA)*
Commercial Fuel Oil Tanks (CFOT)*
Inventory of Coal Gasification Plants & Coal Tar Sites (COAL)*
Compliance and Convictions (CONV)*
Certificates of Property Use (CPU)*
Drill Hole Database (DRL)
Environmental Activity and Sector Registry (EASR)*
Environmental Registry (EBR)*
Environmental Compliance Approval (ECA)*
Emergency Management Historical Event (EMHE)*
List of TSSA Expired Facilities (EXP)*
Fuel Storage Tank (FST)*
Fuel Storage Tank – Historic (FSTH)*
Ontario Regulation 347 Waste Generators Summary (GEN)
TSSA Historic Incidents (HINC)*
TSSA Incidents (INC)*
Landfill Inventory Management Ontario (LIMO)
Non-Compliance Reports (NCPL)*
Ontario Oil and Gas Wells (OOGW)
Inventory of PCB Storage Sites (OPCB)*
Orders (ORD)*
Pesticide Register (PES)
TSSA Pipeline Incidents (PINC)*
Private and Retail Fuel Storage Tanks (PRT)*
Permit to Take Water (PTTW)*
Ontario Regulation 347 Waste Receivers Summary (REC)*
Record of Site Condition (RSC)*
Ontario Spills (SPL)*
Wastewater Discharger Registration Database (SRDS)*
TSSA Variances for Abandonment of Underground Storage Tanks (VAR)
Waste Disposal Sites MOE CA Inventory (WDS)*
Waste Disposal Sites - MOE 1991 Historical Approval Inventory (WDSH)*
Water Well Information System (WWIS)

Private Databases

Anderson's Waste Disposal Sites (ANDR)
Automobile Wrecking & Supplies (AUWR)
Chemical Register (CHEM)
Compressed Natural Gas Stations (CNG)
ERIS Historical Searches (EHS)
Canadian Mine Locations (MINE)
Oil and Gas Wells (OGW)
Canadian Pulp and Paper (PAP)
Retail Fuel Storage Tanks (RST)
Scott's Manufacturing Directory (SCT)
Anderson's Storage Tanks (TANK)

Note:
* Denotes information sources or documents referred to in paragraph 7 of subsection 3 (2) of O.Reg. 153/04.

3.2.3.1 *DATABASE RECORDS WITHIN THE PHASE ONE PROPERTY*

Based on the results provided in the ERIS database report, no environmentally significant information was identified in reference to the Phase One Property.

3.2.3.2 *DATABASE RECORDS WITHIN THE PHASE ONE STUDY AREA*

Based on the results provided in the ERIS database report, environmentally significant information identified in reference to the Phase One Study Area is summarized in the table below. Other records contained in the ERIS report referencing the Phase One Study Area were reviewed and determined not to result in Areas of Potential Environmental Concern at the Phase One Property.

Table 3.2 Summary of ERIS Database Report Findings – Phase One Study Area

Database	Address	Findings	Distance and Direction from Phase One Property
BORE	N/A	Completed in 1958. Bedrock at 14.6 mbgs.	N/A
CA	3000 Merivale Road	Five C of As for: Air and Industrial Air (4). Noted there is a standby diesel generator on the property.	40 m east
CFOT, FST	73 Leikin Drive (aka 3000 Merivale Road)	Double wall, fiberglass, fuel oil UST	40 m east
EASR	61 Bill Leathem Drive	Heating System and Standby Power System at Lumentum Ottawa Inc.	Adjacent west
EBR	15 Bill Leathem Drive (now 61 Bill Leathem Drive)	Environmental Compliance Approval for air and Approval for discharge into the natural environment other than water (i.e., air)	Adjacent west

Database	Address	Findings	Distance and Direction from Phase One Property
	3000 Merivale Road	Approval for discharge into the natural environment other than water (i.e., air) (4)	40 m east
ECA	15 Bill Leathem Drive (now 61 Bill Leathem Drive)	Air	Adjacent west
	61 Bill Leathem Drive	Air and Air/Noise	Adjacent west
	3000 Merivale Road	Air (4)	40 m east
GEN	61 Bill Leathem Drive	Approval years 2007-2016, 2018, 2020, 2021: Acid Waste – Heavy Metals, Aliphatic Solvents (and residues), Alkaline Solutions – containing other metals and non-metals (not cyanide), Alkaline Wastes – Heavy Metals, Amines, Detergents/Soaps, Inorganic Laboratory Chemicals, Organic Acids, Organic Laboratory Chemicals, Other Specified Inorganics (sludges, slurries or solids), Petroleum Distillates, Waste Compressed Gases (including cylinders), Wastes from the use of pigments, coatings and paints, Waste (crankcase) Oils & Lubricants	Adjacent west
	3000 Merivale Road	Approval years 1998-2016, 2018, 2020, 2021: Acid Waste – Heavy Metals, Aliphatic solvents and residues, Alkaline solutions – containing heavy metals, Alkaline Wastes – Other Metals, Emulsified Oils, Halogenated Solvents, Inorganic Laboratory Chemicals, Oil Skimmings & Sludges, Organic Laboratory Chemicals, Other Inorganic Acid Wastes, Other specified inorganic sludges, slurries or solids, Pathological Wastes, Petroleum Distillates, Polymeric Resins, Waste Compressed Gases, Wastes from the use of pigments, coatings and paints, Waste oils/sludges (petroleum based) & Lubricants	40 m east
NPRI	3000 Merivale Road	Manufacturing and Reproducing Magnetic and Optical Media (2004): Sulphur dioxide, HFC-134a hydrofluorocarbon, PM2.5-particulate matter <=2.5 microns, methane, carbon monoxide, PM10-particulate matter <=10 microns, nitrous oxide, nitrogen oxides (expressed as NO2), carbon dioxide, total particulate matter, volatile organic compounds (VOC)	40 m east
SCT	61 Bill Leathem Drive	Established in 1981: Measuring, medical and controlling devices manufacturing, Commercial and Service Industry Machinery Manufacturing	Adjacent west
	3000 Merivale Road	Established in 1981: Measuring, medical and controlling devices manufacturing, Commercial and Service Industry Machinery Manufacturing	40 m east
SPL	3000 Merivale Road	Four spills were identified within 250 m of the Phase One Property: 5 L of motor oil to ground in 1998; 4 L of methylene chloride to pavement in 2000; 340 lbs R22 to atmosphere in 2004; 618 kg freon to atmosphere in 2003. Based on the distance and direction from the Phase One Property and nature of the spills reported, they are not considered to pose an environmental risk to the Phase One Property.	40 m east
WWIS	Lot 18 Con 1	Livestock well installed in 1958. Bedrock at 14.6 mbgs.	N/A

3.3 PHYSICAL SETTING SOURCES

3.3.1 AERIAL PHOTOGRAPHS

Aerial photographs of the Phase One Study Area were obtained from the National Air Photo Library in Ottawa for the years 1936, 1945, 1950 and 1956 and from the City of Ottawa on-line mapping system (http://maps.ottawa.ca/geoOttawa/) for the years 1965, 1976, 1991, 1999, 2002, 2005, 2008, 2011, 2014, 2017, 2019 and 2021. A review of selected aerial photographs was conducted to determine the general development history of the Phase One Property and surrounding properties. Aerial photography does not provide a continuous record of property development and it is possible that features of interest may have appeared or disappeared between the dates of coverage. An interval of approximately 10 years between each aerial photograph, subject to aerial photograph availability and scale, was deemed sufficient to characterize changes in the Phase One Study Area during its history. In some cases, available aerial photography may be at a scale that precludes a detailed interpretation of the Phase One Property and surrounding property uses. During periods of rapid change, an attempt was made to reduce the interval between aerial photographs to gain a better understanding of the Phase One Study Area.

Copies of the aerial photographs are presented in Appendix E. Relevant information interpreted from the aerial photographs reviewed concerning the Phase One Property and its surrounding properties including past or present uses, and Potentially Contaminating Activities is summarized in the table below.

Table 3.3 Aerial Photographs

Date Roll No. Scale	Site	Surrounding Properties
1936 A5403	The Phase One Property is occupied by part of three agricultural growing fields. Several trees can be seen along the lot lines separating the growing fields.	The surrounding properties are occupied by agricultural growing fields. Several farmsteads can be seen at various locations about the farming lands, notably along Merivale Road and Prince of Wales Drive. Several small building are scattered about the lot lines separating the growing fields.
1945 A9610	The Phase One Property is similar to the 1936 aerial photograph.	The surrounding properties are similar to the 1936 aerial photograph
1950 A12714	The Phase One Property is similar to the 1936 and 1945 aerial photographs.	The surrounding properties are similar to the 1936 and 1945 aerial photographs. What appears to be a cottage resort is visible on the west shore of the Rideau River on the east side of Prince of Wales Drive north of Merivale Road.
1956 A15332	The Phase One Property is similar to the 1936, 1945 and 1950 aerial photographs.	The surrounding properties are similar to the 1936, 1945 and 1950 aerial photographs. Several of the small buildings observed on the lot lines west and south of the Phase One Property are no longer present.
1965 N/A	Photo coverage does not include the easternmost portion of the property along Leikin Drive. From the available imagery, the Phase One Property consists of agricultural land.	Photo coverage includes only those lands to the north, west and south of the Phase One Property which were generally comprised of agricultural land used for growing purposes.

1976 N/A	The Phase One Property consists of agricultural land.	Surrounding properties are generally comprised of agricultural land. Some residential development is present along Merivale Road, east of the Phase One Property.
1991 N/A	The appears generally similar to the 1976 aerial photograph.	Some earth disturbance is present on the property east of the Phase One Property. Work on the stormwater ponds south of the Phase One Property has begun. All other surrounding properties appear generally similar to the 1976 aerial photograph.
1999 N/A	The Phase One Property has undergone earthworks. Several piles of fill are evident on the Phase One Property.	Leikin Drive has been constructed adjacent the eastern Phase One Property boundary, followed by a large commercial/industrial building and an associated parking lot undergoing construction (currently the Royal Canadian Mounted Police National Headquarters). Bill Leathem Drive has been constructed adjacent the southern Phase One Property boundary. The stormwater ponds south of the Phase One Property have been enlarged significantly. The property adjacent the western Phase One Property boundary has also undergone earthworks. A commercial/industrial building is present south of Bill Leathem Drive, southwest of the Phase One Property. A residential subdivision is under construction beyond 250 metres south of Phase One Property.
2002 N/A	The Phase One Property appears to have been untouched for a period of time but still appears rather roughly graded. A pad-mounted transformer is present on the southeast corner of the Phase One Property.	Construction on the Royal Canadian Mounted Police National Headquarters, located east of Phase One Property, is complete. The property adjacent the western Phase One Property boundary appears to have been untouched for a period of time. All other surrounding properties appear generally similar to the 1999 aerial photograph.
2005 N/A	The Phase One Property appears generally similar to the 2002 aerial photograph.	Construction of the residential subdivision beyond 250 metres south of the Phase One Property is complete. All other surrounding properties appear generally similar in configuration to the 2002 aerial photograph.
2008 N/A	Several areas of disturbance/fill piles are present on the western portion of the Phase One Property.	A commercial/industrial building has been constructed adjacent the western Phase One Property boundary. All other surrounding properties appear generally similar in configuration to the 2005 aerial photograph.
2011 N/A	Several large piles of fill are present on the western portion of the Phase One Property as well as some small piles of fill and areas of disturbance on the southern portion of the Phase One Property.	Surrounding properties appear generally similar to the 2008 aerial photograph.
2014 N/A	A road has been constructed running from south to north on the western portion of the Phase One Property. Fill piles are evident at the end of the constructed roadway.	Surrounding properties appear generally similar to the 2008 and 2011 aerial photographs.
2017 N/A	The Phase One Property appears to have been graded evenly, with the exception of the roadway on the Phase One Property, which appears slightly elevated.	A small building has been constructed south of the intersection of Leikin Drive and Bill Leathem Drive. All other surrounding properties appear generally similar to the 2008, 2011 and 2014 aerial photographs.

2019 N/A	The Phase One Property appears generally similar to the 2017 aerial photograph.	Surrounding properties appear generally similar to the 2017 aerial photograph.
2021 N/A	The Phase One Property appears generally similar to the 2017 aerial photograph. Several low lying area inundated with water appear to coincide with previous areas where stockpile staging appears to have taken place.	Surrounding properties appear generally similar to the 2017 aerial photograph. The property parcel at 2 Bill Leathem Drive has been developed as a multi-tenant retail commercial building.

3.3.2 TOPOGRAPHY, HYDROLOGY, GEOLOGY

The general topography, hydrology and geology of the Phase One Property and surrounding area were determined from the following information sources:

- MECP on-line well record map (updated October 18, 2021). Retrieved 22 November 2021, from (http://www.ontario.ca/environment-and-energy/map-well-record-data).
- Natural Resources Canada. (2015). The Atlas of Canada - Toporama, 2.0. Retrieved DATE, from http://atlas.gc.ca/toporama/en/index.html.
- OGSEarth Overlay for Surficial and Bedrock geology data viewed with Google Earth™ on DATE.
- Ministry of Natural Resources and Forestry. (2015). Make a Map: Natural Heritage Areas. Retrieved March 3, 2018, from http://www.giscoeapp.lrc.gov.on.ca/web/MNR/NHLUPS/NaturalHeritage/Viewer/Viewer.html.

Table 3.4 Topography, Hydrology and Geology

Elevation:	86-91 metres above sea level (m.a.s.l.).
Topography:	relatively flat
Relief:	< 2 metres
Native Surficial Deposits:	Fine-textured glaciomarine deposits: silt and clay, minor sand and gravel, massive to well laminated
Bedrock:	Dolostone, sandstone: Beekmantown Group
Depth to Bedrock:	15 – 20 metres below ground surface (mbgs)
Nearest Water Body:	Clarke Bellinger Environmental facility stormwater management ponds are located approximately 115 metres south of the Phase One Property.
Inferred Direction of Regional Groundwater Flow:	East toward the Rideau River which flows in a northerly direction approximately 500 metres east of the Phase One Property.
Site Grade Relative to Surrounding Properties:	Phase One Property is graded relatively even to surrounding properties.
Surface Runoff	None
Prominent Physical Features:	N/A

A topographic map (Ontario Base Map) for the Phase One Property and Phase One Study Area is included in Appendix F.

It should be noted that local ground water flow may be influenced by underground features including utility trenches, conduits, buildings and other subgrade structures, variations in soil type, and minor fluctuations in topography. A subsurface investigation including soil and ground water sampling and the installation of

ground water monitoring wells would be required to acquire a more accurate description of geology, ground water flow, and ground water quality.

3.3.3 FILL MATERIALS

Based on observations made at the time of the site reconnaissance, the Phase One Property is generally graded even with the surrounding properties. An elevated gravel roadway runs north to south along the western portion of the Phase One Property. Based on evidence from the historical review, significant fill placements were deposited on the western and southern portions of the Phase One Property between the late 1990s and 2017. The presence of suspect deleterious materials in the fill (such as refuse / debris or visible discolouration) were not observed. The presence of fill material may present a significant environmental issue.

3.3.4 WATER BODIES, AREAS OF NATURAL SIGNIFICANCE AND GROUNDWATER INFORMATION

3.3.4.1 WATER BODIES

Mapping from the Ontario Ministry of Natural Resources and Forestry (MNRF) was reviewed to determine if water bodies were present on the Phase One Property and/or within the Phase One Study Area.

The Phase One Property does not contain a water body or does not include land that is within 30 metres of a water body.

3.3.4.2 AREAS OF NATURAL SIGNIFICANCE

An area of natural significance means any of the following:

- An area reserved or set apart as a provincial park or conservation reserve under the Provincial Parks and Conservation Reserves Act, 2006;
- An area of natural and scientific interest (life science or earth science) identified by the Ministry of Natural Resources as having provincial significance;
- A wetland identified by the Ministry of Natural Resources as having provincial significance;
- An area designated by a municipality in its official plan as environmentally significant, however expressed, including designations of areas as environmentally sensitive, as being of environmental concern and as being ecologically significant;
- An area designated as an escarpment natural area or an escarpment protection area by the Niagara Escarpment Plan under the Niagara Escarpment Planning and Development Act;
- An area identified by the Ministry of Natural Resources as significant habitat of a threatened or endangered species;
- An area which is habitat of a species that is classified under section 7 of the Endangered Species Act, 2007 as a threatened or endangered species;
- Property within an area designated as a natural core area or natural linkage area within the area to which the Oak Ridges Moraine Conservation Plan under the Oak Ridges Moraine Conservation Act, 2001 applies; and,
- An area set apart as a wilderness area under the Wilderness Areas Act.

The MNRF National Heritage Information Centre database for listings of Areas of Natural or Scientific Interest (ANSIs) was reviewed.

Based on a review of the available information sources concerning the above, the Phase One Property may reside in an "Area of Natural Significance" as several threatened and endangered species were identified in the NHIC squares that encompass the Phase One Property. As such, the Phase One Property and may be considered a sensitive site under *O.Reg. 153/04*.

3.3.4.3 GROUNDWATER INFORMATION

The Phase One Property and other properties within the Phase One Study Area are supplied by a municipal drinking water system. Based on previous investigations carried out at the Phase One Property and adjacent land, groundwater beneath the Phase One Property is expected to reside within 1 – 2 m of surface grade.

3.3.5 WELL RECORDS

The MECP on-line well record map (http://www.ontario.ca/environment-and-energy/map-well-record-data) was accessed on 22 November 2021 to identify any wells installed at the Phase One Property or neighbouring properties for which the MECP has received a well record. Supplementary water well information was also obtained from the Water Well Information System (WWIS) database in the ERIS database report. The following information was obtained from water wells records identified at or in the vicinity of the Phase One Property.

Table 3.5 Water Well Record Data

Location	Well ID	Well Type	Well Depth (m)	Installation Date	Well Type	Well Cluster
W of Site	1504702	Agriculture	18.9	06/20/1958	Agriculture	No
W of Site	7352549	Unknown	Unknown	03/18/2019	Unknown	No
NE of Site	1504703	Domestic	18.9	11/11/1954	Domestic	No
NE of Site	1515468	Domestic	25.6	06/22/1976	Domestic	No
E of Site	1504087	Domestic	44.5	08/18/1954	Domestic	No
E of Site	7299650	Unknown	Unknown	11/09/2017	Unknown	No
E of Site	1504093	Domestic	32.3	06/20/1961	Domestic	No

The native surficial geology deposits are described as fine-textured massive to well-laminated glaciomarine deposits composed of silt and clay with minor sand and gravel. Bedrock is composed of dolostone and sandstone (Beekmantown Group) and depth do bedrock ranges from 15-20 meters below ground surface. Groundwater flows east toward the Rideau River which flows in a northerly direction approximately 500 metres east of the Phase One Property.

The MECP on-line interactive water well database indicates that water well records exist for numerous properties east and downgradient of the Phase One Property along Prince of Wales Drive, Queen Anne Crescent, Merivale Road and Holborn Avenue. The status of the water wells at these locations is not known; however, water wells were observed in existence at several residences located on along Queen Anne Crescent, Merivale Road and Holborn Avenue.

The Phase One Property is not located in a wellhead protection area or other designated area for the protection of groundwater.

3.4 SITE OPERATING RECORDS

At the time of preparation of this report, the Phase One Property was vacant with no existing buildings. No site operating records were available.

4 INTERVIEWS

Interviews for this Phase One ESA were conducted with persons reasonably expected to possess relevant knowledge concerning the Phase One Property in accordance with O. Reg. 153/04, Schedule D, Sections 6 to 8. The QP_{ESA} selected the persons to be interviewed, approved the initial timing and method of the interview, as well as the topics for each interview; the selected personnel were determined to meet the objectives of the Phase One ESA interviews, as outlined in sections 4 through 8 of Schedule D of O. Reg. 153/04. Such persons were interviewed to obtain information regarding matters referred to in sections 13 and 14 of Schedule D of O.Reg. 153/04 and to assist in determining if an Area of Potential Environmental Concern exists and/or to identify details of Potentially Contaminating Activities or potential contaminant pathways in, on or under the phase one property. Special attention was given to current, past, and historical land uses and other undocumented events that may have occurred within the Phase One Property that could affect the environmental quality of the Phase One Property.

Contacts were made as required to evaluate the existing/historical Phase One Property operations and obtain additional information, as follows:

Table 4.1 Interviewees

Name and Company or Affiliation	Position	Interview Details (Date, Place, Interview Method)	Reason Why the Person was Identified as an Interview Subject
Mr. Frank Aiello 2717605 Ontario Limited	Owner (previous owner of the Phase One Property	Telephone	Designated site contact

Relevant information concerning Potentially Contaminating Activities and Areas of Potential Environmental Concern provided by the interviewees has been incorporated in Sections 5 and 6 of this report. Potentially contaminating activities on the Phase One Property and within the Phase One Study Area identified during the interviews are summarized in Tables 6.2 and 6.3, respectively. Areas of Potential Environmental Concern occurring at the Phase One Property as a result of the potentially contaminating activities and/or current or past uses are identified in Table 6.4.

5 SITE RECONNAISANCE

5.1 GENERAL

Under the supervision of Kevin Hicks, M.Sc., P.Geo., Qualified Person (QP), Kaitlin Hunt, Environmental Scientist of WSP (formerly Wood) conducted a reconnaissance of the Phase One Property on 12 November 2021 to identify and evaluate current and past uses and Potentially Contaminating Activities on, in or under the Phase One Property and, to the extent practicable, current and past uses and Potentially Contaminating Activities in the Phase One Study Area that may have and/or are currently impacting the environmental condition of the Phase One Property.

Ground cover conditions at the time of the site reconnaissance were wet which may have limited WSP's observations. During the site reconnaissance / prior to the site reconnaissance, WSP interviewed Frank Aiello (the "Phase One Property representative"). The Phase One Property representative did not accompany WSP during the site reconnaissance.

The following subsections summarize observations made during the site reconnaissance. The QP_{ESA} reviewed the written description of the investigation to ensure that Sections 13 and 14 within Schedule D of O. Reg. 153/04, were completed. Photographs of the Phase One Property and selected properties within the Phase One Study Area are provide in Appendix G.

In general, the Phase One Property appeared to be well maintained. Several small piles of concrete (some containing rebar), wood and asphalt were noted near the northwestern corner of the Phase One Property. WSP did not observe any other amounts of debris, staining, outdoor chemical storage or uncontrolled waste storage on-site at the time of the site reconnaissance.

Potentially contaminating activities on the Phase One Property and within the Phase One Study Area identified during the site reconnaissance are summarized in Tables 6.2 and 6.3, respectively. Areas of Potential Environmental Concern occurring at the Phase One Property as a result of the potentially contaminating activities and/or current or past uses are identified in Table 6.4.

5.2 SPECIFIC OBSERVATIONS AT PHASE ONE PROPERTY

5.2.1 STRUCTURES AND OTHER IMPROVEMENTS

There are currently no permanent buildings at the Phase One Property, nor were there any historically.

Selected photographs of the Phase One Property are presented in Appendix E.

5.2.2 BELOW GRADE STRUCTURES

No below grade structures are present at the Phase One Property.

5.2.3 STORAGE TANKS

The site representative advised WSP that there are currently no ASTs or USTs at the Phase One Property, nor were there any present historically. WSP did not observe any ASTs, USTs, or any fill or vent pipes that would suggest the presence of USTs at the Phase One Property during the site reconnaissance. There was no information from the historical review completed to indicate the former presence of ASTs or USTs at the Phase One Property.

5.2.4 POTABLE AND NON-POTABLE WATER SUPPLIES

The Phase One Property is not supplied with potable or non-potable water service.

5.2.5 UNDERGROUND UTILITIES AND SERVICE CORRIDORS

The Phase One Property is not connected to any municipal services, although servicing is readily available and is provided to the neighbouring properties.

5.2.6 BUILDING / STRUCTURE ENTRY AND EXIT POINTS

Not applicable.

5.2.7 EXISTING AND FORMER HEATING SYSTEMS

Not applicable.

5.2.8 COOLING SYSTEMS

Not applicable.

5.2.9 DRAINS, PITS AND SUMPS

No drains, sumps or pits were observed at the Phase One Property.

5.2.10 STAINS OR CORROSION ON FLOORS NEAR DISCHARGE LOCATION

No discharge locations were observed at the Phase One Property.

5.2.11 WATER WELLS

5.2.11.1 PHASE ONE PROPERTY

No wells defined under the Ontario Water Resources Act were observed at the Phase One Property by WSP during the site reconnaissance.

5.2.11.2 *PHASE ONE STUDY AREA*

The MECP on-line interactive water well database indicates that water well records exist for numerous properties east and downgradient of the Phase One Property along Prince of Wales Drive, Queen Anne Crescent, Merivale Road and Holborn Avenue. The status of the water wells at these locations is not known; however, water wells were observed in existence at several residences located on along Queen Anne Crescent, Merivale Road and Holborn Avenue.

5.2.12 OTHER WELLS

No wells defined under the Oil, Gas and Salt Resources Act were observed at the Phase One Property by WSP during the site reconnaissance.

5.2.13 SEWAGE WORKS

No on-site sewage works were observed at the Phase One Property.

5.2.14 GROUND SURFACE COVER

According to the historical research, the Phase One Property was previously used for agricultural purposes up until some time prior to 1999 when development on several of the surrounding properties was initiated. The Phase One Property is currently overgrown with wild grasses which are periodically cut to maintain site access. A gravel road extending from Bill Leathem Drive roughly 115 metres onto the west central portion of the property provides access to the Phase One Property to accommodate the periodic storage of equipment and vehicles. In general, the Phase One Property appeared to be well maintained. Several small piles of concrete (some containing rebar), wood and asphalt were noted near the northwestern corner of the Phase One Property.

5.2.15 FORMER RAILWAY LINES OR SPURS

No railway lines or spurs were observed at the Phase One Property.

5.2.16 STAINED SOIL, VEGETATION OR PAVEMENT

WSP conducted a walkover of the Phase One Property to identify any areas of stained soil, vegetation or pavement or any other potential indicators of surface spills or leaks. No areas of surface staining were observed at the Phase One Property at the time of the site reconnaissance.

5.2.17 STRESSED VEGETATION

WSP conducted a walkover of the Phase One Property to identify any areas of stressed vegetation. No areas of stressed vegetation were observed at the Phase One Property at the time of the site reconnaissance.

5.2.18 FILL AND/OR DEBRIS PLACEMENTS

Based on observations made at the time of the site reconnaissance, the presence of significant amounts of fill material is inferred to be present at the Phase One Property. The Phase One Property is generally graded even with the surrounding properties. An elevated gravel roadway runs north to south along the western portion of the Phase One Property. Based on evidence from the historical review, significant fill placements were deposited on the western and southern portions of the Phase One Property between the late 1990s and 2012. The presence of suspect deleterious materials in the fill (such as refuse / debris or visible discolouration) were not observed. Consequently, the presence of fill material may present a significant environmental issue.

5.2.19 UNIDENTIFIED SUBSTANCES

No unidentified substances of determined to be of potential environmental concern were observed at the Phase One Property during the site reconnaissance.

5.3 ENHANCED INVESTIGATION PROPERTY

Clause 32(1)(b) of *O.Reg. 153/04*, as amended, defines an *enhanced investigation property* as a property: (i) that has or is being used for industrial purposes; or (ii) that is being used or has been used, in whole or in part as: a) a garage, b) as a bulk liquid dispensing facility, including a gasoline outlet, or c) for the operation of dry cleaning equipment, unless either of the following two circumstances apply:

- An RSC has been filed for the Phase One Property, (ii) the current Phase One ESA did not identify a Potentially Contaminating Activity at the Phase One Property other than Potentially Contaminating Activities identified in the Phase One ESA used in support of the RSC, and (iii) the current QP determines that there are no Areas of Potential Environmental Concern at the Phase One Property; or
- The Phase One Property is currently used for an agricultural or other use, or a community use, an institutional use, a parkland use or a residential use; and (ii) since the latest date on which the Phase One Property ceased being used for a purpose that would otherwise qualify it as an enhanced investigation property, an RSC has been filed for the Phase One Property.

WSP made all reasonable inquiries to obtain operating records for past industries located at the Phase One Property as part of the enhanced investigation property. Because of the period of vacancy of the Phase One Property, relevant operating records are likely to have been lost, moved, or destroyed. In general, persons who could be familiar with specific historical operations at the Phase One Property are no longer associated with the property and were, therefore, not readily accessible. Certain information relating to Potentially Contaminating Activity, Areas of Potential Environmental Concern, chemical storage and use, storage tanks and waste generation were obtained from alternate information sources including fire insurance plans, environmental reports, provincial and federal records (MECP FOI request, TSSA), an ERIS database report, and aerial photographs (see Sections 3.1.3, 3.1.7, 3.2.2, 3.2.3 and 3.3.1).

The Phase One Property is not considered to be an enhanced investigation property.

5.3.1 SITE OPERATIONS, PROCESSING AND MANUFACTURING

No site operations were observed at the Phase One Property.

5.3.2 HAZARDOUS MATERIALS USED / STORED AT THE PHASE ONE PROPERTY

No hazardous materials were observed in use or being stored at the Phase One Property.

5.3.3 PRODUCTS MANUFACTURED AT THE PHASE ONE PROPERTY

No product manufacturing was observed at the Phase One Property.

5.3.4 BY PRODUCTS AND WASTE PRODUCED AT THE PHASE ONE PROPERTY

No by-products or waste products were observed being generated or stored at the Phase One Property.

5.3.5 RAW MATERIALS STORAGE AND HANDLING

No storage or handling or raw materials was observed at the Phase One Property.

5.3.6 DRUM, TOTE AND BIN STORAGE AREAS

No drum, tote or bin storage area were observed at the Phase One Property.

5.3.7 OIL WATER SEPARATORS

No oil water separators were observed at the Phase One Property.

5.3.8 VEHICLE STORAGE AND MAINTENANCE AREAS

No vehicle storage or maintenance areas were observed at the Phase One Property.

5.3.9 SPILLS

No spills or evidence of spills were observed at the Phase One Property.

5.3.10 LIQUID DISCHARGE POINTS

No discharge points were observed at the Phase One Property.

5.3.11 DETAILS OF OPERATIONS AT THE PROPERTY, INCLUDING PROCESSING OR MANUFACTURING AND EQUIPMENT USED IN PROCESSING OR MANUFACTURING

No processing or manufacturing was observed at the Phase One Property.

5.3.12 HYDRAULIC LIFT EQUIPMENT

No hydraulic lift equipment was observed at the Phase One Property.

5.4 WRITTEN DESCRIPTION OF THE INVESTIGATION

A site reconnaissance was conducted on 12 November 2021 by Kaitlin Hunt, B.Sc. Hon. from WSP and included a walk-around inspection of all interior and exterior areas of the Phase One Property to make specific observations at the Phase One Property as per Sections 13 and 14 of Schedule D of O.Reg 153/04 and to identify and evaluate current and past uses and Potentially Contaminating Activities on, in or under the Phase One Property. The site reconnaissance was completed in the accompaniment of the Phase One Property representative who provided confirmed observations made at the Phase One Property and provided additional information concerning specific areas of the Phase One Property, where relevant.

The Phase One Study Area was observed from the Phase One Property and publicly accessible areas to identify and evaluate current and past uses and activities and Potentially Contaminating Activities in the Phase One Study Area that may have and/or are currently impacting the environmental condition of the Phase One Property.

Potentially contaminating activities on the Phase One Property and within the Phase One Study Area identified during the site reconnaissance are summarized in Tables 6.2 and 6.3, respectively. Areas of Potential Environmental Concern occurring at the Phase One Property as a result of the potentially contaminating activities and/or current or past uses are identified in Table 6.4.

No water wells were identified in the Phase One Study Area.

6 REVIEW AND EVALUATION OF INFORMATION

Based on the QP_{ESA}'s review, evaluation, and interpretation of the information obtained from the records review, interviews, and site reconnaissance components of the Phase One ESA, the following conclusions are provided as documented in Sections 6.1 to 6.4.

6.1 CURRENT AND PAST USES

According to historical records obtained by WSP, including city directories, fire insurance plans and aerial photography, and from discussions with the site representative(s), the history of the occupancy of the Phase One Property is as follows:

Table 6.1 Current and Past Uses of the Phase One Property - Lot 17, Con 1 RF Nepean

Year	Owner / Occupant	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
1849-1868	Walter Johnston	Agricultural	Agricultural or other Property Use	No information available.
1868-1892	Robert Johnston	Agricultural	Agricultural or other Property Use	The aerial photographs prior to 1991 indicate that 50 Leikin Drive was undeveloped agricultural land. Some residential development was present along Merivale Road, east of the property. The lack of fire insurance plans for the area suggests it was largely undeveloped.
1892-1894	Samuel Mulligan	Agricultural	Agricultural or other Property Use	
1894-1934	Samuel Davidson	Agricultural	Agricultural or other Property Use	
1934-1935	William Davidson	Agricultural	Agricultural or other Property Use	
1935-1940	Samuel Davidson	Agricultural	Agricultural or other Property Use	
1940-1941	George Davidson	Agricultural	Agricultural or other Property Use	
1941-1943	Samuel Davidson	Agricultural	Agricultural or other Property Use	
1943-1969	George Davidson	Agricultural	Agricultural or other Property Use	
1969	Margaret Davidson	Agricultural	Agricultural or other Property Use	

Year	Owner / Occupant	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
1969	Acclaim Development Corporation (Ottawa) Limited	Agricultural	Agricultural or other Property Use	
1969-1979	Harold Socks	Agricultural	Agricultural or other Property Use	
1979-1990	402025 Ontario Limited	Agricultural	Agricultural or other Property Use	
1990-2000	City of Nepean	Undeveloped	Agricultural or other Property Use	The property has undergone earthworks at various times beginning some time after 1991. Several piles of fill are evident on the property. In addition, a road has been constructed running from south to north on the western portion of the property and appears to have been graded evenly, with the exception of the roadway, which appears slightly elevated.
2000-2005	JDS Uniphase Inc.	Undeveloped	Agricultural or other Property Use	
2005-2012	Minto Developments Inc.	Undeveloped	Agricultural or other Property Use	
2012-2020	Minto Properties Inc.	Undeveloped	Agricultural or other Property Use	The property appears to be unused as per air photos from 2014, 2015, 2017 and 2019 and Google Street View images form 2014, 2015, 2016 and 2019.
2020-present	2717605 Ontario Limited	Equipment storage	Commercial	The property appears to be unused as per site visit and aerial photos from 2021.

Table 6.2 Current and Past Uses of the Phase One Property - Lot 18, Con 1 RF Nepean

Year	Owner / Occupant	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
1832	John Smith	Agricultural	Agricultural or other Property Use	No information available.
1832-1841	Assa Werdon	Agricultural	Agricultural or other Property Use	No information available.
1841	Sidney Helmer	Agricultural	Agricultural or other Property Use	No information available.
1941-1875	James Burrows	Agricultural	Agricultural or other Property Use	No information available.
1875-1879	William Fulford	Agricultural	Agricultural or other Property Use	The aerial photographs prior to 1991 indicate that 50 Leikin Drive was undeveloped agricultural land. Some residential development was present along Merivale Road, east of the property. The lack of fire insurance
1879-1893	Jane Johnston	Agricultural	Agricultural or other Property Use	

Year	Owner / Occupant	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
1893-1926	John Stinson	Agricultural	Agricultural or other Property Use	plans for the area suggests it was largely undeveloped.
1926-1944	Fred Stinson	Agricultural	Agricultural or other Property Use	
1944	Cecil Rivington	Agricultural	Agricultural or other Property Use	
1944-1958	Zena Leikin	Agricultural	Agricultural or other Property Use	
1958-1964	Zena Holdings Limited	Agricultural	Agricultural or other Property Use	
1964-	Zena Leikin	Agricultural	Agricultural or other Property Use	
1964-1990	Zena Holdings Limited	Agricultural	Agricultural or other Property Use	
1990-2000	City of Nepean	Undeveloped	Agricultural or other Property Use	The property has undergone earthworks at various times beginning some time after 1991. Several piles of fill are evident on the property. In addition, a road has been constructed running from south to north on the western portion of the property and appears to have been graded evenly, with the exception of the roadway, which appears slightly elevated.
2000-2005	JDS Uniphase Inc.	Undeveloped	Agricultural or other Property Use	
2005-2012	Minto Developments Inc.	Undeveloped	Agricultural or other Property Use	
2012-2020	Minto Properties Inc.	Undeveloped	Agricultural or other Property Use	The property appears to be unused as per air photos from 2014, 2015, 2017 and 2019 and Google Street View images from 2014, 2015, 2016 and 2019.
2020-present	2717605 Ontario Limited	Equipment storage	Commercial	The property appears to be unused as per site visit and aerial photos from 2021.

6.2 POTENTIALLY CONTAMINATING ACTIVITY

Several Potentially Contaminating Activities were identified at the Phase One Property and within the Phase One Study Area. The Potentially Contaminating Activities identified on the Phase One Property and in the Phase One Study Area are described in Tables 6.2 and 6.3, respectively. The locations of the Potentially Contaminating Areas are shown on Figure 4. Each Potentially Contaminating Area has been identified with a unique identifier so that the information in the tables below can be identified on Figure 4.

Table 6.3 Potentially Contaminating Activities on the Phase One Property

PCA Identifier	Potentially Contaminating Activity	Description of the Potentially Contaminating Activity	Location of APEC on Phase One Property	Uncertainty
PCA 1A	Historical air photos show stockpile staging on-site as various times between 1991 and 2012	30: Importation of fill material of unknown quality	Entire Phase One Property	The extent of imported fill across the Phase One Property is known from ground disturbance areas observed in aerial photos but may comprise the entire property.
PCA 1B	An access road was constructed from Bill Leathem Drive using granular materials including asphalt	30: Importation of fill material of unknown quality	Access road extending north form Bill Leathem Drive roughly central, between Leikin Drive and Paragon Avenue	The extent of imported fill across the Phase One Property is not known but is assumed to comprise the entire property.
PCA 2	The site was historically used as agricultural growing field where pesticides and/or herbicides may have been used	40: Pesticides (including herbicides, fungicides, and anti-fouling agents) manufacturing, processing, bulk storage and large-scale applications	Entire Phase One Property	No information indicating that pesticides/herbicides were ever in use at the Phase One Property
PCA 3	Elevated levels of boron, cobalt, chromium, molybdenum and vanadium are know to occur naturally in fine textured Champlain Sea sediments	QP1: Naturally elevated metals in fine textured Champlain sea sediment	Entire Phase One Property	No previous testing at the Phase One Property

Table 6.4 Potentially Contaminating Activities in the Phase One Study Area

PCA Identifier	Potentially Contaminating Activity	Description of the Potentially Contaminating Activity	Location of the PCA Relative to the Phase One Property	Uncertainty	Does PCA Result in an APEC at the Phase One Property	Rationale as to Why PCA Does or Does Not Result in an APEC
PCA 4	The adjacent property to the west is a registered generator of halogenated solvent	51: Solvent manufacturing, processing and bulk storage	West side of Phase One Property	No obvious storage facilities. Suspected de-minimis quantities from ERIS report	Yes	Hydraulically upgradient and adjacent the Phase One Property
PCA 5	The surrounding properties were historically / are still used as agricultural growing field where pesticides and/or herbicides may have been used	40: Pesticides (including herbicides, fungicides, and anti-fouling agents) manufacturing, processing, bulk storage and large-scale applications	Agricultural use lands to the north and west of Phase One Property	-	No	Resulting potential impacts considered unlikely to be mobile. Woold be investigated as part of APEC associated with on-site PCA 2

PCA 6	Two stormwater management ponds are located to the south of the site beyond Bill Leathem Drive	QP2: Stormwater treatment	South of property directly east and west of Leikin Drive	-	No	Hydraulically transgradient or downgradient of the Phase One Property-
PCA 7	A standby diesel generator on the property	28: Gasoline and Associated Products Storage in Fixed Tanks	East of Phase One Property at RCMP National Headquarters	-	No	Hydraulically downgradient of the Phase One Property-

6.3 AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

Several past or present uses on, in or under the Phase One Property, and Potentially Contaminating Activities on, in or under the Phase One Property and within the Phase One Study Area, have been identified that comprise Areas of Potential Environmental Concern on the Phase One Property where one or more Contaminants of Potential Concern may be present. WSP's findings regarding Areas of Potential Environmental Concern as a result of the records review are presented in Section 3.0, and findings as a result of interviews and the site reconnaissance are presented in Section 5.0 and Section 6.4, Phase One Conceptual Site Model, provides more detailed discussion on these findings and their supporting rationale.

The Areas of Potential Environmental Concern identified at Phase One Property are summarized in Table 6.4. The locations of the Areas of Potential Environmental Concern at the Phase One Property are shown on Figure 5.

Table 6.5 Table of Areas of Potential Environmental Concern

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of Potentially Contaminating Activity (on-site or off-site)	Media Potentially Impacted	Contaminants of Potential Concern
APEC 1 – Importation and stockpiling/staging of fill of unknown quality and origin	On-site	30. Importation of Fill Material of Unknown Quality	On-site	Soil	Metals, As, Sb, Se, B-HWS, Cr(VI), Hg, PHC F1 – F4
APEC 2 – Potential historical use of pesticides and/or herbicides to control insect populations and/or weed growth	On-site	40. Pesticides (including Herbicides, Fungicides, and Anti-Fouling Agents), Manufacturing, Processing, Bulk Storage, and Large-Scale Applications	On-site	Soil, groundwater	OCP, HPA, metals
APEC 3 – Elevated levels of Ba, B, Cr, Co and V in fine textured Champlain Sea sediments	On-site	Non-listed PCA, Identified by QP	On-site	Soil	Ba, B, Cr, Co and V

APEC 4 – Potential chlorinated solvent use at adjacent property to the west	On-site, adjacent west	19. Electronic and Computer Equipment Manufacturing	On-site, adjacent west	Groundwater	VOC
As, Sb, Se – Arsenic, Antimony and Selenium (hydride metals) B – HWS – Boron, Hot Water Soluble Cr (VI) –Hexavalent Chromium Hg – Mercury			Metals – (Ba, Be, B, Cd, Cr, Co, Cu, Pb, Mo, Ni, Ag, Tl, U, V, Zn) OCPs – Organochlorine Pesticides PHCs – Petroleum Hydrocarbons VOCs – Volatile Organic Compounds		

Importation and Stockpiling/Staging of Fill of Unknown Quality and Origin (APEC 1)

Placement of fill of unknown quality and origin at the Phase One Property appears to have occurred at the property between the late 1990s and 2012 and was deposited on the western and southern portions of the property. Some of the fill may have originated from construction of the stormwater ponds to the south and/or adjacent properties.

Potential Historical Use of Pesticides (APEC 2)

The Phase One Property was used for agricultural purposes from at least prior to 1936 until the early 1990s. Agricultural practices have traditionally involved the storage and use of pesticides and herbicides. Lead and arsenic were commonly associated with agricultural sprays, and if applied at the property, may be present at residual concentrations in the soil. Aldrin and dieldrin were commonly applied in orchards. Note that it is customary to remove topsoil from sites prior to development to allow their beneficial re-use, either on soft landscaped portions of the site or elsewhere.

Elevated Levels of Ba, B, Cr, Co and V in Fine Textured Champlain Sea Sediments (APEC 3)

Naturally elevated levels of barium (Ba), boron (B), chromium (Cr), cobalt (Co) and vanadium (V) may be associated with the fine textured native silty clay deposits beneath the Phase One Property (Sterling et. al., 2018). Depending on the actual concentrations of these metals, additional costs may be incurred with the management of any excess soil that may require removal from the Phase One Property. A previous geotechnical reports (Paterson, 2008) indicates the native deposits beneath the Phase One Property consists of silty clay, likely comprising Champlain Sea deposits of glaciomarine origin. Such fine textured deposits in the Ottawa area are known to contain naturally elevated levels of barium (Ba), boron (B), chromium (Cr), cobalt (Co) and vanadium (V) (Sterling et. al., 2018).

Potential Chlorinated Solvent Use (APEC 4)

JDS Uniphase Corporation was listed as a waste generator of halogenated solvents from 1999 to 2008 at 3000 Merivale Road. Although this address is inferred hydraulically downgradient relative to the Phase One Property, JDS Uniphase Inc. is also listed as a waste generator at 61 Bill Leathem Drive, which is inferred hydraulically upgradient relative to the Phase One Property. Halogenated solvents are not specifically listed as an approved waste class in the waste generator records for Lumentum – optical products manufacturer located at 61 Bill Leathem Drive (west of the property); however, given the proximity of the company addresses and the nature of the company's work, it is possible that various solvents may have been used at both locations with only one property registered.

6.4 PHASE ONE CONCEPTUAL SITE MODEL

6.4.1 PROPERTY LOCATION AND DESCRIPTION

The Phase One Property consist of vacant undeveloped land located at 50 Leikin Drive in Ottawa, Ontario. A key plan showing the location of the Phase One Property is provided on Figure 1. A generalized site plan depicting the layout of the Phase One Property is provided on Figure 2.

6.4.2 DEVELOPMENT AND USE

According to historical records obtained by WSP, including street directories, fire insurance plans and aerial photography, and from discussions from the Phase One Property representatives, the Phase One Property has never been developed.

6.4.3 DRINKING WATER WELLS

There are no drinking water wells on the Phase One Property.

6.4.4 TOPOGRAPHY AND DRAINAGE

The Phase One Property lies at an approximate elevation of 86-91 metres above sea level (m.a.s.l.). The topography across the Phase One Property is relatively flat, however, regional groundwater flow is inferred to flow east toward the Rideau River which flows in a northerly direction approximately 500 metres east of the property.

6.4.5 GEOLOGY & HYDROGEOLOGY

The general topography and geology of the Phase One Property and surrounding area were determined from the following information sources:

- MECP on-line well record map (updated October 18, 2021). Retrieved 22 November 2021, from (http://www.ontario.ca/environment-and-energy/map-well-record-data).
- Natural Resources Canada. (2015). The Atlas of Canada - Toporama, 2.0. Retrieved 22 November 2021, from http://atlas.gc.ca/toporama/en/index.html.
- OGSEarth Overlay for Surficial and Bedrock geology data viewed with Google Earth™ on 22 November 2021.
- Ministry of Natural Resources and Forestry. (2015). Make a Map: Natural Heritage Areas. Retrieved 22 November 2021, from http://www.giscoeapp.lrc.gov.on.ca/web/MNR/NHLUPS/NaturalHeritage/Viewer/Viewer.html.

The surficial deposits beneath the Phase One Property consist of fine-textured glaciomarine deposits: silt and clay, minor sand and gravel, massive to well laminated. Bedrock beneath the Phase One Property consists of dolostone and sandstone from the Beekmantown Group. The depth to bedrock beneath the Phase One Property

is estimated to be approximately 15-20 meters below ground surface. Groundwater is inferred to flow east toward the Rideau River which flows in a northerly direction approximately 500 metres east of the property.

6.4.6 WATER BODIES AND AREAS OF NATURAL SIGNIFICANCE

Clarke Bellinger Environmental facility stormwater management ponds are located approximately 115 metres south of the Phase One Property. These ponds drain to the east to the Rideau Rive approximately 500 m east of the Phase One Property.

No Areas of Natural Significance are known to be located wholly or partly on or within 30 metres of the Phase One Property. Based on a review of the available information sources concerning the above, the Phase One Property may reside in an "Area of Natural Significance" as several threatened and endangered species were identified in the NHIC squares that encompass the Phase One Property. As such, the Phase One Property and may be considered a sensitive site under *O.Reg. 153/04*.

6.4.7 POTENTIALLY CONTAMINATING ACTIVITIES

Several Potentially Contaminating Activities were identified at the Phase One Property or within the Phase One Study Area including the following:

- PCA 28 - Gasoline and Associated Products Storage in Fixed Tanks;
- PCA 30 - Importation of fill material of unknown quality;
- PCA 40 - Pesticides (including herbicides, fungicides, and anti-fouling agents) manufacturing, processing, bulk storage and large-scale applications;
- PCA 51 - Solvent manufacturing, processing and bulk storage;
- Other QP1 - Naturally occurring elevated metals in fine textured Champlain Sea sediment; and,
- Other QP2 - Stormwater treatment.

The location of each Potentially Contaminating Activity is shown on Figure 4. Potentially Contaminating Activities to the east of the Phase One Property are anticipated to be a potential concern as they are inferred to be hydraulically down-gradient of the Phase One Property and therefore have the potential to be impacted by contamination flowing in the groundwater. Potentially Contaminating Activities located to the east of the Phase One Property are inferred to be up-gradient and are less of a concern; however, properties which are adjacent to the Phase One Property are still considered potential concerns due to their proximity.

6.4.8 AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

Based on the findings of this Phase One ESA, several Potentially Contaminating Activities were identified at the Phase One Property that result in Areas of Potential Environmental Concern at the Phase One Property where one or more Contaminants of Potential Concern may be present. Three (3) Potentially Contaminating Activities and/or current and/or historic uses and activities were identified at the Phase One Property that result in Areas of Potential Environmental Concern (APECs 1A, 1B, 2 and 3) at the Phase One Property where one or more Contaminants of Potential Concern may be present. Three (3) Potentially Contaminating Activities and/or current and/or historic uses and activities were identified on properties within the Phase One Study Area, one (1) of which result in Areas of Potential Environmental Concern (APEC 4) at the Phase One Property where one or more Contaminants of Potential Concern may be present.

The locations of the Areas of Potential Environmental Concern are shown on Figure 5.

6.4.9 CONTAMINANTS OF POTENTIAL CONCERN

Contaminants of potential concern (COPC) associated with the above noted Areas of Potential Environmental Concern include metals, hydride forming metals (As, Sb, Se), hot water soluble boron (B-HWS), hexavalent chromium (Cr(VI)), mercury (Hg), petroleum hydrocarbons (PHC), organochlorine pesticides (OCP), phenoxy acid herbicides (HPA), and volatile organic compounds (VOC).

6.4.10 PREFERENTIAL PATHWAYS

The Phase One Property is not developed with any buried utilities or underground structures which could act as preferential pathways to ground water flow and/or contaminant movement.

6.4.11 UNCERTAINTY

A data gap was identified in that the Phase One Property representative had little knowledge of the history of the property. No additional representatives could be identified who had a knowledge of more current operations prior to 2020.

7 CONCLUSIONS

The primary findings of this Phase One ESA are as follows:

- The Phase One Property is undeveloped;
- There are no water bodies, Areas of Natural Significance or water supply wells located on or within 30 metres of the Phase One Property;
- Regional groundwater flow is expected east toward the Rideau River which flows in a northerly direction approximately 500 metres east of the property;
- Placement of fill of unknown origin and quality at the property between the late 1990s and 2012;
- The property was used for agricultural use, primarily growing fields, prior to 1991. Pesticides may have been used at the property to control insect populations and/or weed growth; and,
- Potential use of solvents at adjacent property west of the Phase One Property (Lumentum – optical products manufacturer), which is inferred to be located hydraulically upgradient relative to the property.

The findings of the Phase One ESA completed by WSP have identified several past or present uses on, in or under the Phase One Property, and Potentially Contaminating Activities on, in or under the Phase One Property and within the Phase One Study Area, that comprise Areas of Potential Environmental Concern on the Phase One Property where one or more contaminants may be present. Three (3) Potentially Contaminating Activities were identified at the Phase One Property that contribute to Areas of Potential Environmental Concern. Four (4) Potentially Contaminating Activities were identified on surrounding properties within the Phase One Study Area, one of which is considered to result in one (1) additional Area of Potential Environmental Concern on the Phase One Property.

COPC associated with the above noted Areas of Potential Environmental Concern include metals, hydride forming metals (As, Sb, Se), B-HWS, (Cr(VI), Hg, PHCs, OCPs, HPAs and VOCs.

7.1 WHETHER PHASE TWO ENVIRONMENTAL SITE ASSESSMENT REQUIRED BEFORE RECORD OF SITE CONDITION SUBMITTED

Based on the findings of this Phase One ESA, the Areas of Potential Environmental Concern identified and shown on Figure 5 are considered to pose a potential risk of impairment to the Phase One Property. Accordingly, a Phase Two ESA would be required at the Phase One Property before a RSC can be submitted to the Environmental Site Registry. The specific objectives of the investigation would be to assess the Areas of Potential Environmental Concern identified at the Phase One Property in the context of the existing regulatory framework and legislation regarding contaminated sites and Brownfields in the Province of Ontario to confirm whether contaminants are present on, in or under the Phase One Property, and, if so, what the contaminants are, where they are located on, in or under the Phase One Property and at what concentrations.

7.2 RECORD OF SITE CONDITION BASED ON PHASE ONE ENVIRONMENTAL SITE ASSESSMENT ALONE

As discussed in Section 7.1 above, A Phase Two Environmental Site Assessment is required before a Records of Site Condition can be filed for the Phase One Property therefore this section does not apply to this Phase One ESA report.

7.3 SIGNATURES

I (Kevin Hicks, M.Sc., P.Geo.), by the signature provided below, certify that I conducted or supervised the carrying out of this Phase One Environmental Site Assessment and the findings and conclusions of the report. I (name of reviewer and credentials), by the signature provided below, certify that I completed a technical review of this Phase One Environmental Site Assessment and concur with the findings and conclusions of the report.

Respectfully Submitted,

WSP E&I Canada Limited

Prepared by:

Kaitlin Hunt, B.Sc. Hon.
Environmental Scientist

Reviewed by:

Kevin Hicks, M.Sc., P.Geo., QP_{ESA}
Principal Hydrogeologist

8 REFERENCES

Canadian Construction Association, 2004: Mould Guidelines for the Canadian Construction Industry; Standard Construction Document CCA 82 – 2004.

Canadian Standards Association, 2016: Z768-01 (reaffirmed 2016) Phase I Environmental Site Assessment; originally published November 2001.

Dubreuil, Lorraine and Woods, Cheryl A., 2002: Catalogue of Canadian Fire Insurance Plans 1875-1975. Occasional Papers of the Association of Canadian Map Libraries and Archives, Number 6. Ottawa, Ontario, Canada; Association of Canadian Map Libraries and Archives, 2002, 500 pp.

Environment Canada, 1988: Handbook on PCBs in Electrical Equipment, Third Edition; ISBN 0-660-12754-7, 54pp.

Environmental Abatement Council of Ontario (EACO), 2010: Mould Abatement Guidelines, Edition 2:

Golder Associates Limited (Golder), 2004: Old Landfill Management Strategy, Phase 1 – Identification of Sites, City of Ottawa, Ontario; prepared for the City of Ottawa, Ref. No. 021-2785, October 2004.

Health Canada, 2012: Cross-Canada Survey of Radon Concentrations in Homes, Final Report; ISBN: 978-1-100-20115-3.

Ontario Ministry of the Environment, 1991: Waste Disposal Site Inventory; Queen's Printer for Ontario, ISBN 0-7729-8409-3.

Intera Technologies Ltd., 1987: Inventory of Coal Gasification Plant Waste Sites in Ontario, Volume I; prepared for the Ontario Ministry of the Environment, Ref. No. H87-017, April 1987.

Intera Technologies Ltd., 1988: Inventory of Industrial Sites Producing or Using Coal Tar and Related Sites in Ontario, prepared for the Ontario Ministry of the Environment, Ref. No. H88-013, November 1988.

Ontario Ministry of Labour, 2004: Guideline – Lead on Construction Projects; Queen's Printer for Ontario April 2011, ISBN 1-4435-6225-6, 27pp.

Ontario Regulation 153/04 – Records of Site Condition – Part XV.1 of the Environmental Protection Act

Paterson Group, 2008: Preliminary Geotechnical Investigation, South Merivale Business Park, Bill Leathem Drive – Ottawa; prepared for Minto Urban Communities, June 11, 2008, Report: PG1658-1.

Paterson Group, 2014: Phase I - Environmental Site Assessment, Vacant Land, 2, 35 and 102 Bill Leatham Drive, Ottawa, Ontario; prepared for Minto Properties Incorporated, February 27, 2014, Report: PE3216-1.

Paterson Group, 2019: Phase I - Environmental Site Assessment Update, Part of 35 Bill Leathem Drive, Ottawa, Ontario; prepared for Cityscape, October 10, 2019, PE4749-LET.01

Sterling et al, 2018: Elevated Background Metals Concentrations in Fine-Grained Champlain Sea Deposits, Eastern Ontario – Ottawa Region; prepared for the City of Ottawa, February 6, 2018.

Tilsey, J.E., Veldhuyzen, H. and Nichols, P.R., 1993: Soil Radon Gas Study of Southern Ontario; Ontario Geological Survey, Open File Report 5847, 148p.

9 CLOSURE

This report was prepared for the exclusive use of Canada Post Corporation, and is intended to provide a Phase One Environmental Site Assessment on the property located at Vacant Former Agricultural Property at the time of the Site field work performed on the dates set out in this report. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of the third party. Should additional parties require reliance on this report, written authorization from WSP will be required. With respect to third parties, WSP has no liability or responsibility for losses of any kind whatsoever, including direct or consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

The report is based on data and information collected during the Phase One ESA of the property conducted by WSP. It is based solely on the conditions of the Site encountered at the time of the Site visit on the date(s) set out in this report, supplemented by a review of historical information and data obtained by WSP as described in this report, and discussion with a representative of the owner/occupant, as reported herein. Except as otherwise maybe specified, WSP disclaims any obligation to update this report for events taking place, or with respect to information that becomes available to WSP after the time during which WSP conducted the Phase I ESA.

In evaluating the property, WSP has relied in good faith on information provided by other individuals noted in this report. WSP has assumed that the information provided is factual and accurate. In addition, the findings in this report are based, to a large degree, upon information provided by the current owner/occupant. WSP accepts no responsibility for any deficiency, misstatement or inaccuracy contained in this report as a result of omissions, misinterpretations or fraudulent acts of persons interviewed or contacted.

WSP makes no other representations whatsoever, including those concerning the legal significance of its findings, or as to other legal matters touched on in this report, including, but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issues, regulatory statutes are subject to interpretation and change. Such interpretations and regulatory changes should be reviewed with legal counsel.

This Report is also subject to the further Standard Limitations contained in Appendix I.

Figures

LEGEND

250 0 250 500 750
METRES

TITLE:
SITE LOCATION PLAN

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
50 LEIKIN DRIVE, OTTAWA, ONTARIO

CLIENT: CANADA POST / POSTES CANADA

DATE: FEBRUARY 2023

PROJECT NO: OESAO2132

FIGURE NO: 1

DRWN: JFT

CHK'D: KDH

SCALE: 1 : 25,000

P:\2021\PROJECTS\OESAO2132_CPC LEIKEN ESA-GEO-HYD\12_CAD\OESAO2132 DRAWINGS.DWG

P:\2021\PROJECTS\OESAO2132_CPC LEIKEN ESA-GEO-HYD\12_CAD\OESAO2132 DRAWINGS.DWG

LEGEND

PROPERTY BOUNDARY

TITLE: SITE PLAN

PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

50 LEIKIN DRIVE
OTTAWA ONTARIO

CLIENT: CANADA POST / POSTES CANADA

DRAWN BY:	CHECKED BY:	DATE:	SCALE:
JFT	KDH	FEBRUARY 2023	1 : 1,250

REVISION:	PROJECT NO:	FIGURE NO:
0	OESAO2132	2

DATUM: NAD 83 CSRS 2010

PROJECTION: UTM ZONE 18 N

LEGEND

- PROPERTY BOUNDARY
- PHASE ONE STUDY AREA
- NCC GREENBELT BOUNDARY

N

50 0 50 100 150

METRES

wsp

TITLE:

PHASE ONE STUDY AREA AND SURROUNDING LAND USE PLAN

PROJECT:

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT

50 LEIKIN DRIVE
OTTAWA, ONTARIO

CLIENT:

CANADA POSTES POST CANADA

DESIGNED BY: KH	DRAWN BY: JFT
CHECKED BY: KDH	DATE: FEBRUARY 2023
DATUM: NAD83 CSRS 2010	PROJECTION: UTM ZONE 18 N
PROJECT NO: OPESAO2132	SCALE: 1 : 5,000

FIGURE NO:

3

P:\2021\PROJECTS\OESAO2132_CPC LEIKEN ESA-GEO-HYD\12_CAD\OESAO2132 DRAWINGS.DWG

LEGEND

- PROPERTY BOUNDARY
- PHASE ONE STUDY AREA
- NCC GREENBELT BOUNDARY
- 1 — PCA 1: 30 - IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY
- 1A — PCA 1A: 30 - IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY
- 2 — PCA 40: PESTICIDES (INCLUDING HERBICIDES, FUNGICIDES AND ANTI-FOULING AGENTS) MANUFACTURING, PROCESSING, BULK STORAGE AND LARGE-SCALE APPLICATIONS
- 3 — PCA QP1: NATURALLY ELEVATED METALS IN FINE TEXTURED CHAMPLAIN SEA SEDIMENT
- 4 — PCA 51: SOLVENT MANUFACTURING, PROCESSING AND BULK STORAGE
- 5 — PCA 40: PESTICIDES (INCLUDING HERBICIDES, FUNGICIDES AND ANTI-FOULING AGENTS) MANUFACTURING, PROCESSING, BULK STORAGE AND LARGE-SCALE APPLICATIONS
- 6 — PCA QP2: STORMWATER TREATMENT
- 7 — PCA 28 GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS

NOTE: PCA RESULTING IN APECS AT THE PHASE ONE PROPERTY SHOWN IN RED

40 0 40 80 120
METRES

wsp

TITLE:

POTENTIALLY CONTAMINATING ACTIVITIES

PROJECT:

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT

50 LEIKIN DRIVE
OTTAWA, ONTARIO

CLIENT:

CANADA POSTES POST CANADA

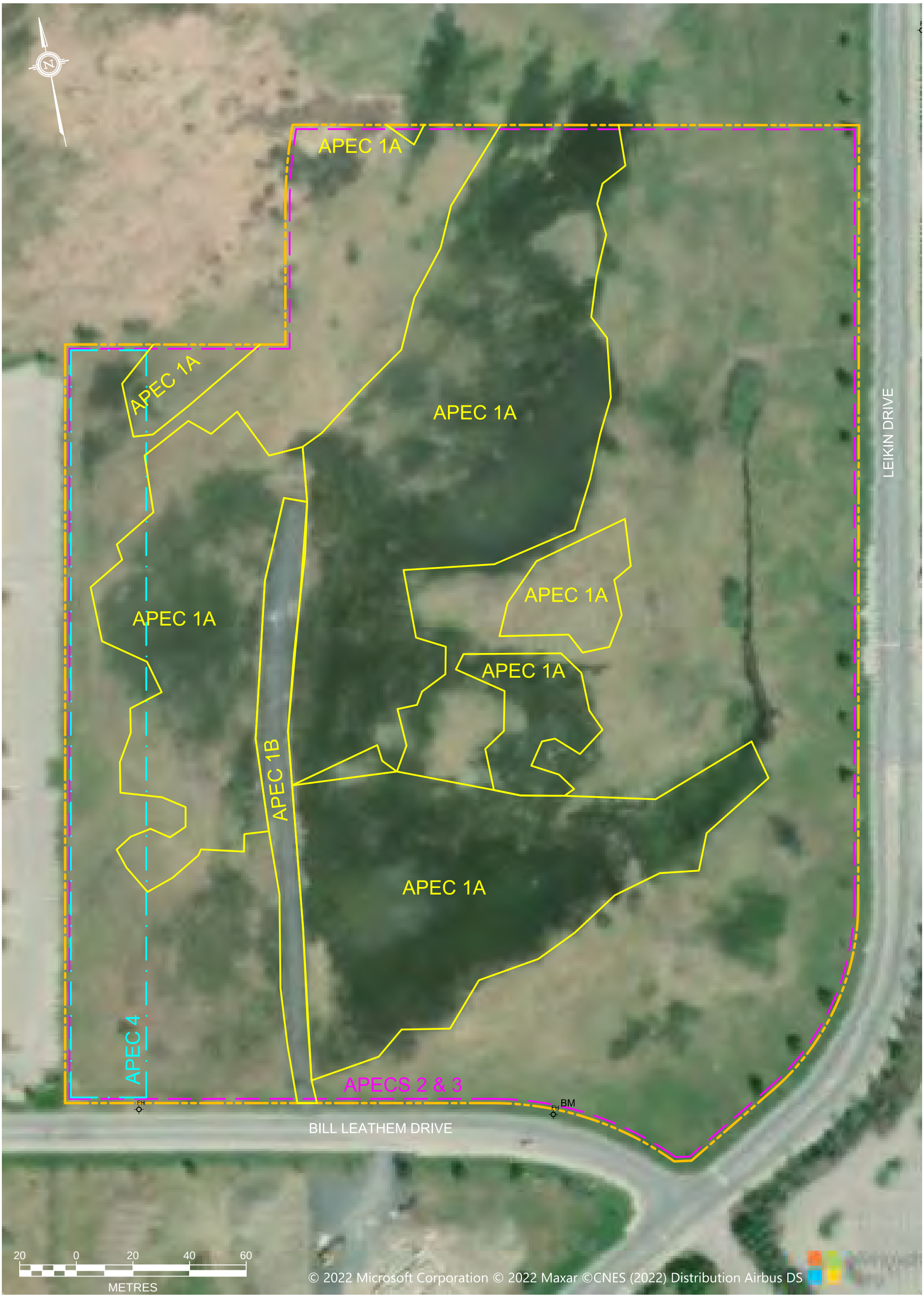
DESIGNED BY: KH	DRAWN BY: JFT
CHECKED BY: KDH	DATE: FEBRUARY 2023
DATUM: NAD83 CSRS 2010	PROJECTION: UTM ZONE 18 N
PROJECT NO: OPESAO2132	SCALE: 1 : 4,000

FIGURE NO:

4

P:\2021\PROJECTS\OESAO2132_CPC LEIKEN ESA-GEO-HYD\12_CAD\OESAO2132 DRAWINGS.DWG

P:\2021\PROJECTS\OESAO2132_CPC LEIKEN ESA-GEO-HYD\12_CAD\OESAO2132 DRAWINGS.DWG



LEGEND

- PROPERTY BOUNDARY
- APEC 1: Importation and stockpiling / staging of fill of unknown quality and origin.
- APEC 2: Historic use of pesticides / herbicides to control insect populations or weed growth.
- APEC 3: Elevated levels of Ba, B, Cr, Co and V in fine textured Champlain Sea sediments.
- APEC 4: Chlorinated solvent use at adjacent property to the west.

TITLE: AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

CLIENT: CANADA POST / POSTES CANADA

PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

50 LEIKIN DRIVE
OTTAWA ONTARIO

wsp

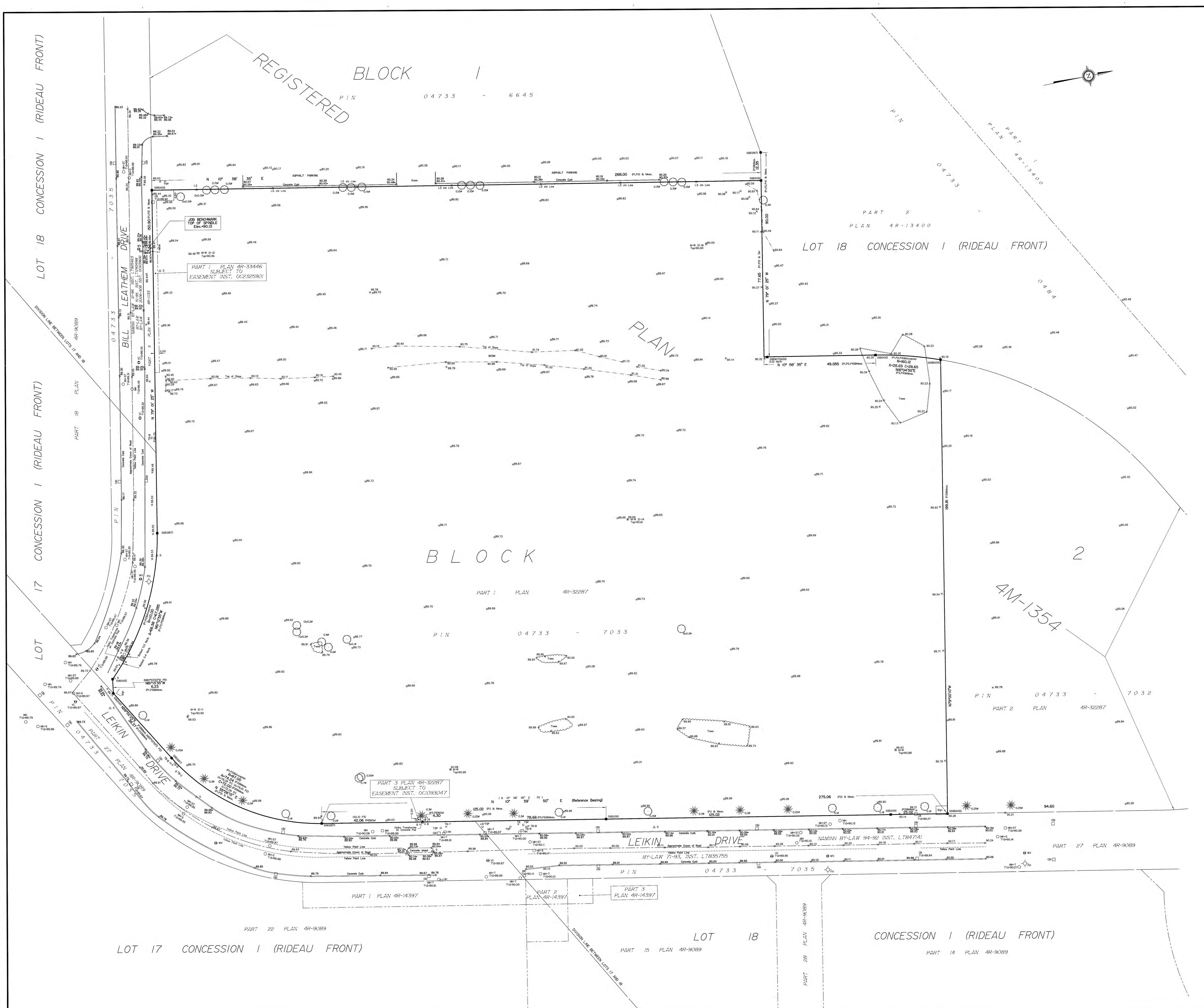
DRAWN BY:	CHECKED BY:	DATE:	SCALE:
JFT	KDH	FEBRUARY 2023	1 : 1,250

REVISION:	PROJECT NO:	FIGURE NO:
0	OESAO2132	5

DATUM:	PROJECTION:
NAD 83 CSRS 2010	UTM ZONE 18 N

Appendix A

Legal Description and Plan of Survey



TOPOGRAPHICAL PLAN OF SURVEY OF

PART OF BLOCK 2
REGISTERED PLAN 4M-1354
CITY OF OTTAWA

Surveyed by Annis, O'Sullivan, Vollebekk Ltd.

Scale 1 : 500

20 15 10 5 0 10 20 Metres

Metric

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

Surveyor's Certificate

I CERTIFY THAT :

1. This survey and plan are correct and in accordance with the Surveys Act, the Surveyors Act and the Land Titles Act and the regulations made under them.
2. The survey was completed on the 21st day of January, 2022.

Jan 28/22
Date

V. Andrew Shelp
Ontario Land Surveyor

Notes & Legend

	Denotes	
—□—	"	Survey Monument Planted
—■—	"	Survey Monument Found
SIB	"	Standard Iron Bar
SSIB	"	Short Standard Iron Bar
IB	"	Iron Bar
(WIT)	"	Witness
Meas.	"	Measured
(AOG)	"	Annis, O'Sullivan, Vollebekk Ltd.
(P1)	"	Registered Plan 4M-1354
(P2)	"	Plan 4R-9089
(P3)	"	Plan 4R-32287
(P4)	"	Plan 4R-13400
(P5)	"	Plan 4R-11133
○ MH-ST	"	Maintenance Hole (Storm Sewer)
○ MH-S	"	Maintenance Hole (Sanitary)
○ MH-T	"	Maintenance Hole (Traffic)
○ MH	"	Maintenance Hole (Unidentified)
VC	"	Valve Chamber (Watermain)
VC	"	Valve Chamber (Watermain)
FH	"	Fire Hydrant
WV	"	Water Valve
○ LS	"	Light Standard
□ CB	"	Catch Basin
□ CBI	"	Catch Basin Inlet
T/G	"	Top of Grate
HH	"	Handhole
TB-B	"	Bell Terminal Box
TB-C	"	Cable Terminal Box
TB-T	"	Traffic Terminal Box
TB	"	Unidentified Terminal Box
○ TSP	"	Traffic Signal Post
	"	Deciduous Tree
	"	Coniferous Tree
○ B	"	Bollard
△ S	"	Sign
○ M-W	"	Monitoring Well
○ W	"	Well Cap
Ø	"	Diameter
+ 65.00	"	Location of Elevations
+ 65.00*	"	Top of Curb/ Wall Elevations
C/L	"	Centreline
——	"	Property Line
WRW	"	Wooden Retaining Wall

ELEVATION NOTES

1. Elevations shown are geodetic and are referred to the CGVD28 geodetic datum.
2. It is the responsibility of the user of this information to verify that the job benchmark has not been altered or disturbed and that it's relative elevation and description agrees with the information shown on this drawing.

UTILITY NOTES

1. This drawing cannot be accepted as acknowledging all of the utilities and it will be the responsibility of the user to contact the respective utility authorities for confirmation.
2. Only visible surface utilities were located.
3. A field location of underground plant by the pertinent utility authority is mandatory before any work involving breaking ground, probing, excavating etc.

Bearings are grid, derived from the westerly limit of Leikin Drive shown to be N10°59'50"E on Registered Plan 4M-1354 and are referred to the Central Meridian of MTM Zone 9 (76°30' West Longitude) NAD-83 (original).

Topographic data was collected under Winter Conditions. Snow cover and ice preclude determining location and elevation of some topographical data that is otherwise visible.

ASSOCIATION OF ONTARIO LAND SURVEYORS
PLAN SUBMISSION FORM
V-22532

THIS PLAN IS NOT VALID UNLESS IT IS AN EMBOSSED ORIGINAL COPY ISSUED BY THE SURVEYOR In accordance with Regulation 1026, Section 29 (3).

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

Job No. 22612-22 WEI Blk 2 4M-1354 T F | ig

Appendix B

Chain of Title

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

ENVIRONMENTAL SEARCH

Wood PLC
Attn: Kaitlin Hunt

BRIEF DESCRIPTION OF LAND:

88 Leikin Dr., Ottawa
Part of Block 2, Plan 4M1354.

PIN: 04733-7033

LAST REGISTERED OWNER: 2717605 Ontario Limited

CHAIN OF TITLE:

Lot 17, Con 1 RF Nepean

Patent dated Feb 28, 1849
To Walter Johnston

Deed RO27839 registered Jan 17, 1868
From Walter Johnston to Robert Johnston

Vesting Order NO15916 registered Oct 21, 1892
To Samuel Mulligan

Deed NP16539 registered Apr 20, 1894
From Samuel Mulligan to Samuel Davidson

Deed NP31274 registered May 11, 1917
From estate of Robert Johnston to Samuel Davidson

Deed NP44412 registered Sep 18, 1934
From Samuel Davidson to William Davidson

Deed NP44718 registered May 2, 1935
From William Davidson to Samuel Davidson

Deed NP47404 registered Jun 10, 1940
From William Davidson to George Davidson

Deed NP47832 registered Dec 12, 1940
From Samuel Davidson to George Davidson

Deed NP47895 registered Jan 15, 1941
From George Davidson to Samuel Davidson

Deed NP50397 registered Jun 14, 1943
From Samuel Davidson to George Davidson

Deed CR555739 registered Mar 10, 1969
From estate of George Davidson to Margaret Davidson

Deed CR562377 registered Jul 30, 1969
From Margaret Davidson to Acclaim Development Corporation (Ottawa) Limited

Deed CR569790 registered Dec 31, 1969
From Acclaim Development Corporation (Ottawa) Limited to Harold Socks

Deed NS67349 registered Sep 18, 1979
From Harold Socks to 402025 Ontario Limited

Deed N538655 registered Jun 15, 1990
From 402025 Ontario Limited to The City of Nepean

Deed N538657 registered Jun 15, 1990
From 402025 Ontario Limited to The City of Nepean

Lot 18, Con 1 RF Nepean

Patent dated Jan 17, 1832
To John Smith

Deed RO529 registered May 9, 1832
From John Smith to Assa Werdon

Deed RO4692 reghistered Apr 10, 1841
From Assa Werdon to Sidney Helmer

Deed RO5150 registered Apr 26, 1841
From Sidney Helmer to James Burrows

Deed NP1451 registered Apr 10, 1875
From Henry Burrows (estate of James Burrows) to William Fulford

Deed NP6599 registered Nov 3, 1869
From William Fulford to Jane Johnston

Deed NP16031 registered Feb 6, 1893
From Jane Johnston to John Stinson

Deed NP39432 registered Jul 5, 1926
From John Stinson to Fred Stinson

Deed NP51421 registered May 19, 1944
From Fred Stinson to Cecil Rivington

Deed CR317568 registered Dec 31, 1958
From Cecil Rivington to Zena Leikin

Deed CR479793 registered Jul 9, 1964
From Zena Leikin to Zena Holdings Limited

Deed CR483789 registered Sep 29, 1964
From Zena Holdings Limited to Zena Leikin

Deed CR483790 registered Sep 29, 1964
From Zena Leikin to Zena Holdings Limited

Deed N538658 registered Jun 15, 1990
From Zena-Kinder Holdings Ltd. to City of Nepean

Deed N538659 registered Jun 15, 1990
From Zena-Kinder Holdings Ltd. to City of Nepean

All

Deed LT1257830 registered Jan 14, 2000
From City of Nepean to JDS Uniphase Inc.

Deed OC474277 registered Jun 16, 2005
From JDS Uniphase Inc. to Minto Developments Inc.

Plan 4M1354 registered Mar 11, 2008 (subdivision of part of Lots 17 and 18)
By Minto Commercial Properties Inc.

Name Change OC1339746 registered Mar 7, 2012
From Minto Commercial Properties Inc. to Minto Properties Inc.

Deed OC2184182 registered Jan 16, 2020

From Minto Properties Inc. to 2717605 Ontario Limited

Appendix C

Regulatory Correspondence and Interviews

Ontario

Ministry of Government and Consumer Services

Access or Correction Request

Freedom of Information and Protection of Privacy Act

Personal information contained on this form is collected under the *Freedom of Information and Protection of Privacy Act* and will be used to answer your request.

Questions about this collection should be directed to the Freedom of Information and Privacy Coordinator at the institution where you make the request.

Many records of public institutions are available to you without making a request under the *Freedom of Information and Protection of Privacy Act*. Contact the Freedom of Information and Privacy (FOIP) Coordinator at the institution that holds the records to determine whether you need to make a formal request.

Section A - Type of Request

Fields marked with an asterisk (*) are mandatory.

Check the box that indicates what you are requesting. (Records that do not contain personal information are general records.)

The FOIP Coordinator will contact you to verify your identity before giving you access to your own personal information or to secure proof that you have authority to act for another person if making a request for another person's personal information records (e.g., power of attorney, guardian or trusteeship order).

Type of Request *

- [x] Access to general records (non-personal information)
- [ ] Access to own personal information
- [ ] Access to other's personal information by authorized party
- [ ] Correction of own personal information

Name of institution request made to *

Ministry of the Environment, Conservation and Parks

Freedom of Information and Privacy Coordinator Contact

Email Address: foi.mecp@ontario.ca

Telephone Number: 416-314-4075

Section B - Requester's Information

Fields marked with an asterisk (*) are mandatory.

Please ensure you have entered your name, mailing address, telephone and email address accurately.

Last Name *: Hunt

First Name *: Kaitlin

Mailing Address

☑ Canada ☐ U.S.A. ☐ International

Unit Number: 300

Street Number: 210

Street Name: Colonnade Rd S

PO Box:

City/Town *: Ottawa

Province *: ON

Postal Code *: K2E 7L5

Telephone Number

Home:

Mobile: 613-220-6717

Business: ext.

Email Address *: kaitlin.hunt@woodplc.com

Section C - Description of Records or Correction Requested

Fields marked with an asterisk (*) are mandatory.

Provide as much detail as possible about the requested general records, own personal information, other's personal information or correction of own personal information.

If you are requesting access to personal information, provide the name that appears on the records.

If you are requesting a correction of your own personal information, describe the personal information to be corrected. The Ministry of Environment, Conservation and Parks will contact you with next steps in the process.

Description of Records or Correction Requested *

The description of records or correction that you entered for this FOI eRequest has been removed for the purposes of this email to protect the security of any personal information that may have been included.

The institution that you selected has received the complete copy of the FOI eRequest inclusive of contents you entered in this field.

Time Period of the Records *

Specify the time period for the records as precisely as possible, e.g., from 2008/07/21 to 2009/11/30.

From (yyyy/mm/dd)	To (yyyy/mm/dd)
1987/01/01	2021/12/23

Method of Access *

Check a box to indicate whether you want to examine original documents (which may only be done on site) or receive copies.

- [x] Receive copy
- [ ] Examine original (on site only)

Payment confirmation number: 22521863

Ministry of the Environment, Conservation and Parks

Access and Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement, de la Protection de la nature et des Parcs

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

January 17, 2022

Kaitlin Hunt
Wood
210 Colonnade Road South, Unit 300
Ottawa, ON K2E 7L5

Dear Kaitlin Hunt:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2021-09044, Your Reference 20211223123313559

The Ministry is in receipt of your request made pursuant to the *Freedom of Information and Protection of Privacy Act* and has received your payment in the amount of $5.00 (non-refundable application fee).

The search will be conducted on the following: 88 Leikin Drive, Ottawa. If there is any discrepancy please contact us immediately.

You may expect a reply or additional communication as your request is processed. For your information, the Ministry charges for search and preparation time.

Due to the COVID-19 outbreak, requesters may experience some delays with FOI requests at this time.

This is to advise you, we've gone digital! Requests submitted by fax will no longer be accepted starting August 31, 2021. If you submitted requests by fax before August 31, 2021, we'll process it. Please don't re-submit it using the online form or you might get charged twice. The online form can be found on the central forms repository at the following link https://www.forms.ssb.gov.on.ca/mbs/ssb/forms/ssbforms.nsf/FormDetail?OpenForm&ACT=RDR&TAB=PROFILE&SRCH=1&ENV=WWE&TIT=freedom+of+information&NO=012-2146E.

If you have any questions regarding this matter, please contact Nasreen Salar at or nasreen.salar@ontario.ca.

Yours truly,

Original Signed by

Noel Kent
Manager, Access and Privacy

Appendix D

ERIS Database Report

DATABASE REPORT

Project Property:	*Ph I ESA* *88 Prom. Leikin Dr* *Nepean ON K2G*
Project No:	*OESAO2132*
Report Type:	*Standard Report*
Order No:	*21111700343*
Requested by:	*Wood Environment & Infrastructure Solutions, Inc.*
Date Completed:	*November 22, 2021*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*Ph I ESA* *88 Prom. Leikin Dr Nepean ON K2G*
Project No:	*OESAO2132*

Coordinates:

Latitude:	*45.2958811*
Longitude:	*-75.7083803*
UTM Northing:	*5,016,063.94*
UTM Easting:	*444,456.91*
UTM Zone:	*18T*

Elevation:	*291 FT* *88.81 M*

Order Information:

Order No:	*21111700343*
Date Requested:	*November 17, 2021*
Requested by:	*Wood Environment & Infrastructure Solutions, Inc.*
Report Type:	*Standard Report*

Historical/Products:

Land Title Search	*Historical Land Title Search*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	*Abandoned Aggregate Inventory*	Y	0	0	0
AGR	*Aggregate Inventory*	Y	0	0	0
AMIS	*Abandoned Mine Information System*	Y	0	0	0
ANDR	*Anderson's Waste Disposal Sites*	Y	0	0	0
AST	*Aboveground Storage Tanks*	Y	0	0	0
AUWR	*Automobile Wrecking & Supplies*	Y	0	0	0
BORE	*Borehole*	Y	0	1	1
CA	*Certificates of Approval*	Y	0	5	5
CDRY	*Dry Cleaning Facilities*	Y	0	0	0
CFOT	*Commercial Fuel Oil Tanks*	Y	0	1	1
CHEM	*Chemical Manufacturers and Distributors*	Y	0	0	0
CHM	*Chemical Register*	Y	0	0	0
CNG	*Compressed Natural Gas Stations*	Y	0	0	0
COAL	*Inventory of Coal Gasification Plants and Coal Tar Sites*	Y	0	0	0
CONV	*Compliance and Convictions*	Y	0	0	0
CPU	*Certificates of Property Use*	Y	0	0	0
DRL	*Drill Hole Database*	Y	0	0	0
DTNK	*Delisted Fuel Tanks*	Y	0	0	0
EASR	*Environmental Activity and Sector Registry*	Y	0	2	2
EBR	*Environmental Registry*	Y	0	6	6
ECA	*Environmental Compliance Approval*	Y	0	7	7
EEM	*Environmental Effects Monitoring*	Y	0	0	0
EHS	*ERIS Historical Searches*	Y	0	4	4
EIIS	*Environmental Issues Inventory System*	Y	0	0	0
EMHE	*Emergency Management Historical Event*	Y	0	0	0
EPAR	*Environmental Penalty Annual Report*	Y	0	0	0
EXP	*List of Expired Fuels Safety Facilities*	Y	0	0	0
FCON	*Federal Convictions*	Y	0	0	0
FCS	*Contaminated Sites on Federal Land*	Y	0	0	0
FOFT	*Fisheries & Oceans Fuel Tanks*	Y	0	0	0
FRST	*Federal Identification Registry for Storage Tank Systems (FIRSTS)*	Y	0	0	0
FST	*Fuel Storage Tank*	Y	0	1	1
FSTH	*Fuel Storage Tank - Historic*	Y	0	0	0
GEN	*Ontario Regulation 347 Waste Generators Summary*	Y	0	27	27
GHG	*Greenhouse Gas Emissions from Large Facilities*	Y	0	0	0
HINC	*TSSA Historic Incidents*	Y	0	0	0
IAFT	*Indian & Northern Affairs Fuel Tanks*	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	1	1
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	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	4	4
SPL	Ontario Spills	Y	0	4	4
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	1	1
	Total:		0	64	64

Executive Summary: Site Report Summary - Project Property

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

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	EHS		Leiken Drive Ottawa ON	NNE/66.0	-1.09	24
2	EBR	JDS Uniphase Inc.	15 Bill Leathem Drive Ottawa CITY OF OTTAWA ON	SSW/148.1	1.15	24
2	EBR	JDS Uniphase Inc.	15 Bill Leathem Drive Ottawa K2J 0P7 CITY OF OTTAWA ON	SSW/148.1	1.15	24
2	ECA	JDS Uniphase Inc.	15 Bill Leathem Dr Ottawa ON K2G 5W8	SSW/148.1	1.15	25
3	EHS		Site 2 Bill Leathem Drive Ottawa ON K2G	WSW/189.4	1.60	25
4	WWIS		lot 18 con 1 ON ***Well ID:*** 1504702	WNW/196.6	1.04	25
5	BORE		ON	WNW/196.6	1.04	28
6	SCT	JDS Uniphase Corporation	61 Bill Leathem Dr Ottawa ON K2J 0P7	W/197.1	2.13	29
6	GEN	JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W/197.1	2.13	29
6	SCT	JDS Uniphase Corporation	61 Bill Leathem Dr Nepean ON K2J 0P7	W/197.1	2.13	30
6	GEN	JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W/197.1	2.13	30
6	EASR	Lumentum Ottawa Inc.	61 BILL LEATHEM DRIVE OTTAWA ON K2J 0P7	W/197.1	2.13	31

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
6	GEN	JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W/197.1	2.13	31
6	GEN	JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W/197.1	2.13	32
6	EASR	Lumentum Ottawa Inc.	61 BILL LEATHEM DRIVE OTTAWA ON K2J 0P7	W/197.1	2.13	33
6	GEN	JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W/197.1	2.13	33
6	ECA	JDS Uniphase Inc.	61 Bill Leathem Drive OTTAWA ON K2J 0P7	W/197.1	2.13	34
6	GEN	JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON	W/197.1	2.13	34
6	EHS		61 Bill Leathem Dr Ottawa ON K2J0P7	W/197.1	2.13	35
6	ECA	JDS Uniphase Inc.	61 Bill Leathem Dr Ottawa ON K2J 0P7	W/197.1	2.13	35
6	GEN	Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W/197.1	2.13	35
6	GEN	Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W/197.1	2.13	36
6	GEN	JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W/197.1	2.13	37
6	GEN	Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W/197.1	2.13	38
6	GEN	Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W/197.1	2.13	39

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
6	GEN	Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W/197.1	2.13	40
7	CFOT	PUBLIC WORKS GOVERNMENT SERVICES CANADA	73 LEIKIN DR SUITE M1-0-911 OTTAWA K1A 0R2 ON CA ON	E/201.6	-3.93	41
7	FST	PUBLIC WORKS GOVERNMENT SERVICES CANADA	73 LEIKIN DR SUITE M1-0-911 OTTAWA K1A 0R2 ON CA ON	E/201.6	-3.93	41
8	SPL	CONTRACTOR	3000 MERIVALE RD AT HWY 16-CONSTRUCTION SITE MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON	E/241.9	-3.93	42
8	SPL	JDS FITEL (UNIPHASE) INC.	3000 MERIVALE RD, PARKING LOT 3000 MERIVALE RD NEPEAN ON NEPEAN CITY ON	E/241.9	-3.93	42
8	CA	JDS UNIPHASE INC.	3000 MERIVALE ROAD NEPEAN CITY ON	E/241.9	-3.93	43
8	CA		3000 Merivale Road Nepean ON	E/241.9	-3.93	43
8	CA		3000 Merivale Road Nepean ON	E/241.9	-3.93	43
8	CA		3000 Merivale Road Nepean ON	E/241.9	-3.93	44
8	EBR	JDS Uniphase Corporation	3000 Merivale Road NEPEAN ON	E/241.9	-3.93	44
8	EBR	JDS Uniphase Inc.	3000 Merivale Road NEPEAN ON	E/241.9	-3.93	44
8	EBR	JDS Uniphase Inc.	3000 Merivale Road Nepean Ontario K2G 6N7 Nepean ON	E/241.9	-3.93	45

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
8	EBR	JDS Uniphase Inc.	3000 Merivale Road Nepean Ontario K2G 6N7 Nepean ON	E/241.9	-3.93	45
8	SCT	JDS Uniphase Ltd.	3000 Merivale Rd Nepean ON	E/241.9	-3.93	46
8	GEN	JDS FITEL INC.	3000 MERIVALE ROAD NEPEAN ON K2C 3H1	E/241.9	-3.93	46
8	GEN	JDS UNIPHASE CORPORATION	3000 MERIVALE ROAD NEPEAN ON K2C 3H1	E/241.9	-3.93	46
8	GEN	JDS UNIPHASE Inc.	3000 MERIVALE ROAD NEPEAN ON K2C 3H1	E/241.9	-3.93	47
8	SCT	JDS Uniphase Corporation	3000 Merivale Rd Nepean ON K2G 6N7	E/241.9	-3.93	48
8	GEN	Minto Commercial Inc.	3000 Merivale Road Ottawa ON K2G6N7	E/241.9	-3.93	48
8	EHS		3000 Merivale Road Ottawa ON	E/241.9	-3.93	49
8	SPL	JDS Uniphase Inc.	3000 Merivale Road Nepean ON	E/241.9	-3.93	49
8	SPL	JDS Uniphase Corporation	3000 MARIVALE RD., NEPEAN<UNOFFICIAL> Ottawa ON	E/241.9	-3.93	49
8	CA	Public Work Government Service Canada	3000 Merivale Rd Ottawa ON	E/241.9	-3.93	50
8	GEN	Minto Commercial Inc.	3000 Merivale Road Ottawa ON	E/241.9	-3.93	50
8	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON	E/241.9	-3.93	51

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
8	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON	E/241.9	-3.93	51
8	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	E/241.9	-3.93	51
8	NPRI	JDS UNIPHASE INC.	3000 Merivale Road Ottawa ON K2G6N7	E/241.9	-3.93	52
8	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON	E/241.9	-3.93	54
8	ECA	Public Work Government Service Canada	3000 Merivale Rd Ottawa ON K1A 0R2	E/241.9	-3.93	55
8	ECA	JDS Uniphase Inc.	3000 Merivale Road Nepean ON K2G 5W8	E/241.9	-3.93	55
8	ECA	JDS Uniphase Corporation	3000 Merivale Road Nepean ON K2G 5W8	E/241.9	-3.93	55
8	ECA	JDS Uniphase Inc.	3000 Merivale Road Nepean ON K2G 5W8	E/241.9	-3.93	56
8	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	E/241.9	-3.93	56
8	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	E/241.9	-3.93	56
8	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	E/241.9	-3.93	57
8	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	E/241.9	-3.93	57
8	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	E/241.9	-3.93	58

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
8	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	E/241.9	-3.93	58

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 1 BORE site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	WNW	196.63	5

CA - Certificates of Approval

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

Lower Elevation	Address	Direction	Distance (m)	Map Key
Public Work Government Service Canada	3000 Merivale Rd Ottawa ON	E	241.87	8
	3000 Merivale Road Nepean ON	E	241.87	8
	3000 Merivale Road Nepean ON	E	241.87	8
	3000 Merivale Road Nepean ON	E	241.87	8
JDS UNIPHASE INC.	3000 MERIVALE ROAD NEPEAN CITY ON	E	241.87	8

CFOT - Commercial Fuel Oil Tanks

A search of the CFOT database, dated May 31, 2021 has found that there are 1 CFOT site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key

PUBLIC WORKS GOVERNMENT SERVICES CANADA	73 LEIKIN DR SUITE M1-0-911 OTTAWA K1A 0R2 ON CA ON	E	201.62	7

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011- Sep 30, 2021 has found that there are 2 EASR site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Lumentum Ottawa Inc.	61 BILL LEATHEM DRIVE OTTAWA ON K2J 0P7	W	197.06	6
Lumentum Ottawa Inc.	61 BILL LEATHEM DRIVE OTTAWA ON K2J 0P7	W	197.06	6

EBR - Environmental Registry

A search of the EBR database, dated 1994- Sep 30, 2021 has found that there are 6 EBR site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
JDS Uniphase Inc.	15 Bill Leathem Drive Ottawa K2J 0P7 CITY OF OTTAWA ON	SSW	148.07	2
JDS Uniphase Inc.	15 Bill Leathem Drive Ottawa CITY OF OTTAWA ON	SSW	148.07	2

Lower Elevation	Address	Direction	Distance (m)	Map Key
JDS Uniphase Inc.	3000 Merivale Road Nepean Ontario K2G 6N7 Nepean ON	E	241.87	8
JDS Uniphase Inc.	3000 Merivale Road Nepean Ontario K2G 6N7 Nepean ON	E	241.87	8
JDS Uniphase Inc.	3000 Merivale Road NEPEAN ON	E	241.87	8

JDS Uniphase Corporation	3000 Merivale Road NEPEAN ON	E	241.87	8

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Aug 31, 2021 has found that there are 7 ECA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
JDS Uniphase Inc.	15 Bill Leathem Dr Ottawa ON K2G 5W8	SSW	148.07	2
JDS Uniphase Inc.	61 Bill Leathem Dr Ottawa ON K2J 0P7	W	197.06	6
JDS Uniphase Inc.	61 Bill Leathem Drive OTTAWA ON K2J 0P7	W	197.06	6

Lower Elevation	Address	Direction	Distance (m)	Map Key
Public Work Government Service Canada	3000 Merivale Rd Ottawa ON K1A 0R2	E	241.87	8
JDS Uniphase Inc.	3000 Merivale Road Nepean ON K2G 5W8	E	241.87	8
JDS Uniphase Inc.	3000 Merivale Road Nepean ON K2G 5W8	E	241.87	8
JDS Uniphase Corporation	3000 Merivale Road Nepean ON K2G 5W8	E	241.87	8

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jun 30, 2021 has found that there are 4 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Site 2 Bill Leathem Drive Ottawa ON K2G	WSW	189.40	3
	61 Bill Leathem Dr Ottawa ON K2J0P7	W	197.06	6

Lower Elevation	Address	Direction	Distance (m)	Map Key
	Leiken Drive Ottawa ON	NNE	65.98	1
	3000 Merivale Road Ottawa ON	E	241.87	8

FST - Fuel Storage Tank

A search of the FST database, dated May 31, 2021 has found that there are 1 FST site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
PUBLIC WORKS GOVERNMENT SERVICES CANADA	73 LEIKIN DR SUITE M1-0-911 OTTAWA K1A 0R2 ON CA ON	E	201.62	7

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 30, 2021 has found that there are 27 GEN site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W	197.06	6
Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W	197.06	6
Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W	197.06	6

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W	197.06	6
JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W	197.06	6
Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W	197.06	6
Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W	197.06	6
JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON	W	197.06	6
JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W	197.06	6
JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W	197.06	6
JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W	197.06	6
JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	W	197.06	6

Lower Elevation	Address	Direction	Distance (m)	Map Key
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	E	241.87	8
JDS UNIPHASE CORPORATION	3000 MERIVALE ROAD NEPEAN ON K2C 3H1	E	241.87	8

JDS UNIPHASE Inc.	3000 MERIVALE ROAD NEPEAN ON K2C 3H1	E	241.87	8
Minto Commercial Inc.	3000 Merivale Road Ottawa ON K2G6N7	E	241.87	8
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	E	241.87	8
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	E	241.87	8
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	E	241.87	8
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	E	241.87	8
JDS FITEL INC.	3000 MERIVALE ROAD NEPEAN ON K2C 3H1	E	241.87	8
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	E	241.87	8
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON	E	241.87	8
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	E	241.87	8
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON	E	241.87	8
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON	E	241.87	8

Minto Commercial Inc.	3000 Merivale Road Ottawa ON	E	241.87	8

NPRI - National Pollutant Release Inventory

A search of the NPRI database, dated 1993-May 2017 has found that there are 1 NPRI site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
JDS UNIPHASE INC.	3000 Merivale Road Ottawa ON K2G6N7	E	241.87	8

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 4 SCT site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
JDS Uniphase Corporation	61 Bill Leathem Dr Ottawa ON K2J 0P7	W	197.06	6
JDS Uniphase Corporation	61 Bill Leathem Dr Nepean ON K2J 0P7	W	197.06	6

Lower Elevation	Address	Direction	Distance (m)	Map Key
JDS Uniphase Ltd.	3000 Merivale Rd Nepean ON	E	241.87	8
JDS Uniphase Corporation	3000 Merivale Rd Nepean ON K2G 6N7	E	241.87	8

SPL - Ontario Spills

A search of the SPL database, dated 1988-Aug 2020 has found that there are 4 SPL site(s) within approximately 0.25 kilometers of the project property.

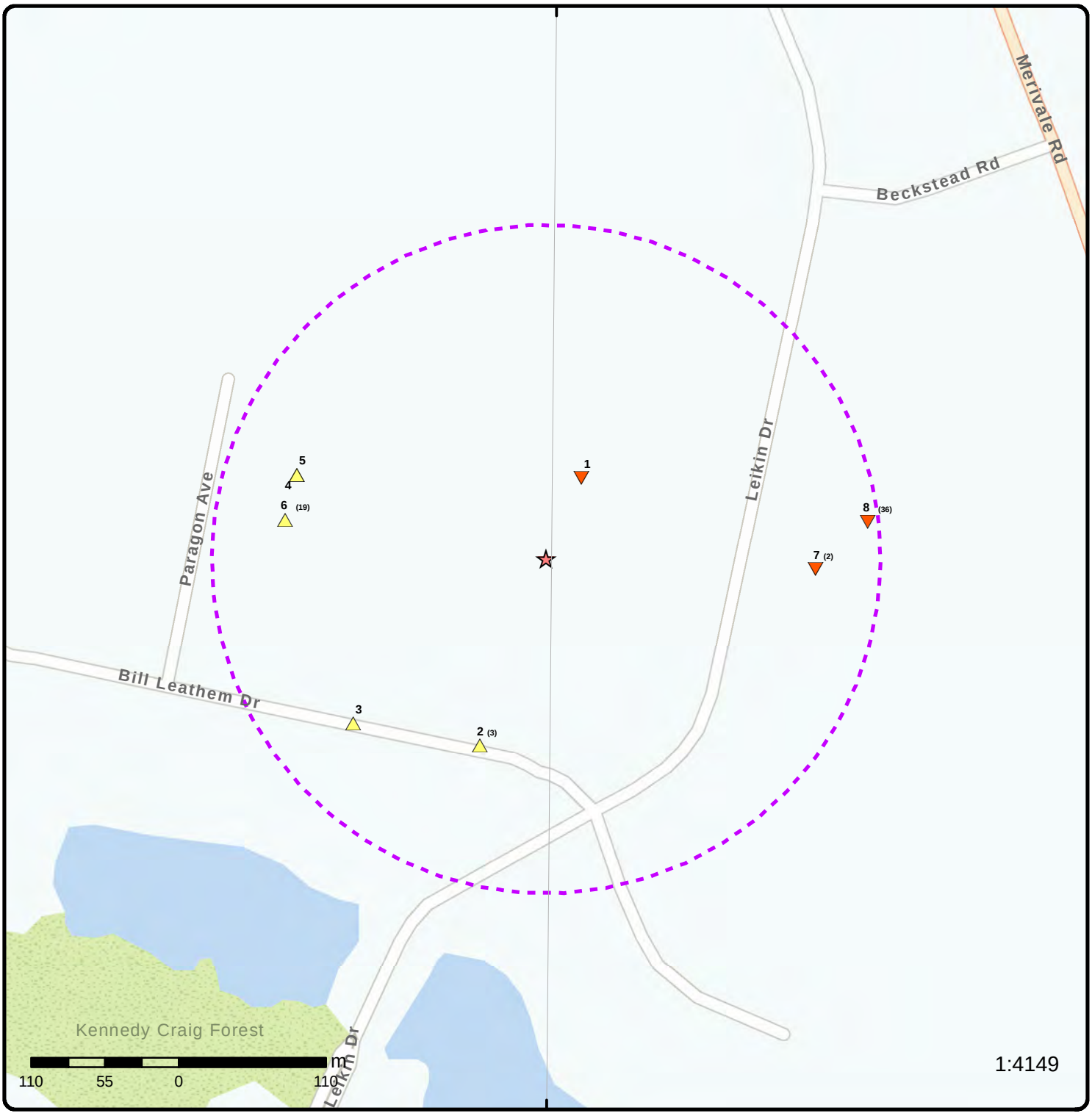
Lower Elevation	Address	Direction	Distance (m)	Map Key

CONTRACTOR	3000 MERIVALE RD AT HWY 16-CONSTRUCTION SITE MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON	E	241.87	8
JDS FITEL (UNIPHASE) INC.	3000 MERIVALE RD, PARKING LOT 3000 MERIVALE RD NEPEAN ON NEPEAN CITY ON	E	241.87	8
JDS Uniphase Corporation	3000 MARIVALE RD., NEPEAN<UNOFFICIAL> Ottawa ON	E	241.87	8
JDS Uniphase Inc.	3000 Merivale Road Nepean ON	E	241.87	8

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2021 has found that there are 1 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 18 con 1 ON ***Well ID:*** 1504702	WNW	196.59	4



Map: 0.25 Kilometer Radius

Order Number: 21111700343

Address: 88 Prom. Leikin Dr, Nepean, ON

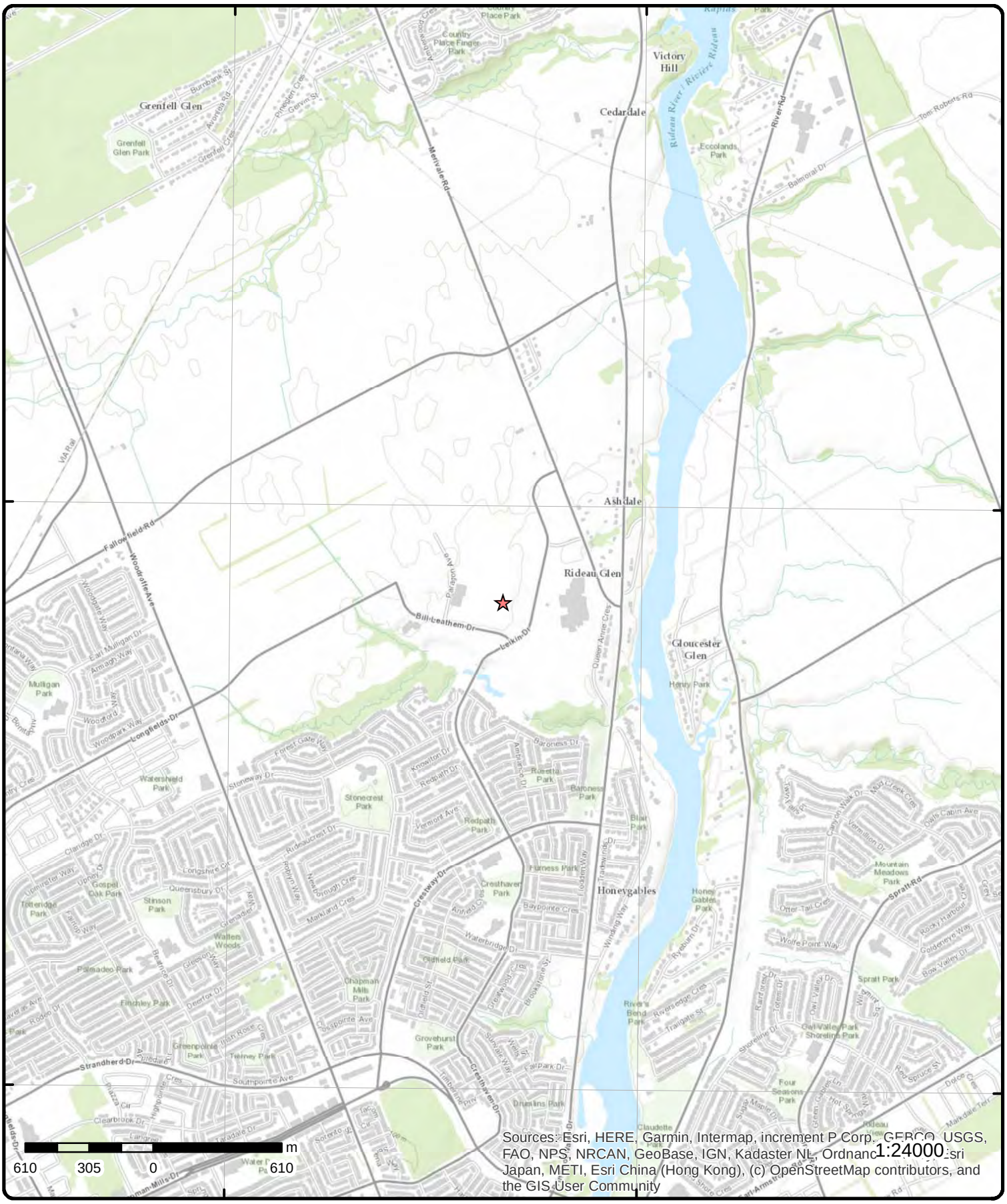
- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major Arterial; Minor Arterial
- Local Road
- Service Road; Traffic Circle; Ramp
- Rail
- Beach
- Airport
- Industrial Area
- Military Base
- Aircraft Roads
- Native Reservation
- Hospital
- Shopping & Sports Area
- University/College
- Cemetery; Golf Course
- Parkt (National)
- Park (City/County)

Aerial **Year: 2020**

Order Number: 21111700343

Address: 88 Prom. Leikin Dr, Nepean, ON

Source: ESRI World Imagery



Topographic Map

Order Number: 21111700343

Address: 88 Prom. Leikin Dr, ON

Source: ESRI World Topographic Map

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	NNE/66.0	87.7 / -1.09	Leiken Drive Ottawa ON	EHS

Order No:	20150302018	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	06-MAR-15	**Search Radius (km):**	.25
Date Received:	02-MAR-15	**X:**	-75.708049
Previous Site Name:		**Y:**	45.296427
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 3	SSW/148.1	90.0 / 1.15	JDS Uniphase Inc. 15 Bill Leathem Drive Ottawa CITY OF OTTAWA ON	EBR

EBR Registry No:	010-0780	**Decision Posted:**	
Ministry Ref No:	1728-73PKJ5	**Exception Posted:**	
Notice Type:	Instrument Decision	**Section:**	
Notice Stage:		**Act 1:**	
Notice Date:	November 13, 2007	**Act 2:**	
Proposal Date:	June 08, 2007	**Site Location Map:**	
Year:	2007		

Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Off Instrument Name:
Posted By:
Company Name: JDS Uniphase Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 300 Merivale Road, Ottawa Ontario, Canada K2G 5W8
Comment Period:
URL:

Site Location Details:

15 Bill Leathem Drive Ottawa CITY OF OTTAWA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	2 of 3	SSW/148.1	90.0 / 1.15	JDS Uniphase Inc. 15 Bill Leathem Drive Ottawa K2J 0P7 CITY OF OTTAWA ON	EBR

EBR Registry No:	011-3348	**Decision Posted:**	
Ministry Ref No:	2549-8FFSEY	**Exception Posted:**	
Notice Type:	Instrument Decision	**Section:**	
Notice Stage:		**Act 1:**	
Notice Date:	December 23, 2013	**Act 2:**	
Proposal Date:	April 26, 2011	**Site Location Map:**	
Year:	2011		

Instrument Type: (EPA Part II.1-air) - Environmental Compliance Approval (project type: air)
Off Instrument Name:

Posted By:
Company Name: JDS Uniphase Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 61 Bill Leathem Drive, Ottawa Ontario, Canada K2J 0P7
Comment Period:
URL:

Site Location Details:

15 Bill Leathem Drive Ottawa K2J 0P7 CITY OF OTTAWA

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2 | **3 of 3** | **SSW/148.1** | **90.0 / 1.15** | **JDS Uniphase Inc.**
15 Bill Leathem Dr
Ottawa ON K2G 5W8 | **ECA**

Approval No: 9682-78NHMB
Approval Date: 2007-11-05
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-AIR
Project Type: AIR
Business Name: JDS Uniphase Inc.
Address: 15 Bill Leathem Dr
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1728-73PKJ5-13.pdf

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

---

3 | **1 of 1** | **WSW/189.4** | **90.4 / 1.60** | **Site 2 Bill Leathem Drive**
Ottawa ON K2G | **EHS**

Order No: 20190403036
Status: C
Report Type: Standard Report
Report Date: 09-APR-19
Date Received: 03-APR-19
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: City Directory

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.710205
Y: 45.294764

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4 | **1 of 1** | **WNW/196.6** | **89.8 / 1.04** | **lot 18 con 1**
ON | **WWIS**

Well ID: 1504702
Construction Date:
Primary Water Use: Livestock
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:

Data Entry Status:
Data Src: 1
Date Received: 8/5/1958
Selected Flag: True
Abandonment Rec:
Contractor: 3718
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 018
Concession: 01

Overburden/Bedrock:		**Concession Name:**	RF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504702.pdf

Additional Detail(s) (Map)

Well Completed Date:	1958/06/20
Year Completed:	1958
Depth (m):	18.8976
Latitude:	45.2964339274372
Longitude:	-75.7107620342634
Path:	150\1504702.pdf

Bore Hole Information

Bore Hole ID:	10026745	**Elevation:**	89.821701
DP2BR:	48.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	444270.70
Code OB Desc:	Bedrock	**North83:**	5016127.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	20-Jun-1958 00:00:00	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931000211
Layer:	1
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	48.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931000212
Layer:	2
Color:	2
General Color:	GREY
Mat1:	21
Most Common Material:	GRANITE

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 48.0
Formation End Depth: 62.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961504702
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10575315
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930046222
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 62
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930046221
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 40
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991504702
Pump Set At:
Static Level: 18.0
Final Level After Pumping: 24.0
Recommended Pump Depth:
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1

Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933458009
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	55.0
Water Found Depth UOM:	ft

---

5 ***1 of 1*** ***WNW/196.6*** ***89.8 / 1.04*** ***ON*** ***BORE***

Borehole ID:	612140	**Inclin FLG:**	No
OGF ID:	215513449	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	JUN-1958	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.296435
Total Depth m:	18.9	**Longitude DD:**	-75.710762
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	444271
Drill Method:		**Northing:**	5016127
Orig Ground Elev m:	89.9	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	89.8		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218390165	**Mat Consistency:**	Hard
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	14.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:		**Geologic Formation:**	
Material 2:	Boulders	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	HARDPAN,BOULDERS.		

Geology Stratum ID:	218390166	**Mat Consistency:**	
Top Depth:	14.6	**Material Moisture:**	
Bottom Depth:	18.9	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Granite	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRANITE. GREY. 00055CIFIED. SEISMIC VELOCITY = 6200. BEDROCK. SEISMIC VELOCITY = 20500.		

Source

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

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence:
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 04648 NTS_Sheet:
Confiden 1:
Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level

Source List

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

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6 | ***1 of 19*** | ***W/197.1*** | ***90.9 / 2.13*** | ***JDS Uniphase Corporation***
61 Bill Leathem Dr
Ottawa ON K2J 0P7 | ***SCT***

Established: 8/1/1981
Plant Size (ft²):
Employment:

--Details--
Description: Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code: 334512

Description: Commercial and Service Industry Machinery Manufacturing
SIC/NAICS Code: 333310

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6 | ***2 of 19*** | ***W/197.1*** | ***90.9 / 2.13*** | ***JDS Uniphase Inc.***
61 Bill Leathem Drive
Nepean ON K2J 0P7 | ***GEN***

Generator No: ON4267608
Status:
Approval Years: 07,08
Contam. Facility:
MHSW Facility:
SIC Code: 541710 541510 541380
SIC Description: Research and Development in the Physical Engineering and Life Sciences, Computer Systems Design and Related Services, Testing Laboratories
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

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

Waste Class: 262
Waste Class Desc: DETERGENTS/SOAPS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

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

Waste Class: 267
Waste Class Desc: ORGANIC ACIDS

Waste Class: 268
Waste Class Desc: AMINES

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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

---

6 | ***3 of 19*** | ***W/197.1*** | ***90.9 / 2.13*** | ***JDS Uniphase Corporation***
61 Bill Leathem Dr
Nepean ON K2J 0P7 | ***SCT***

Established: 01-JUN-81
Plant Size (ft²):
Employment:

--Details--
Description: Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code: 334512

Description: Commercial and Service Industry Machinery Manufacturing
SIC/NAICS Code: 333310

---

6 | ***4 of 19*** | ***W/197.1*** | ***90.9 / 2.13*** | ***JDS Uniphase Inc.***
61 Bill Leathem Drive
Nepean ON K2J 0P7 | ***GEN***

Generator No: ON4267608
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 541710, 541510, 541380
SIC Description: Research and Development in the Physical Engineering and Life Sciences, Computer Systems Design and Related Services, Testing Laboratories

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

Detail(s)

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

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

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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

Waste Class: 262
Waste Class Desc: DETERGENTS/SOAPS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 267
Waste Class Desc: ORGANIC ACIDS

Waste Class: 268
Waste Class Desc: AMINES

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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6 | **5 of 19** | **W/197.1** | **90.9 / 2.13** | **Lumentum Ottawa Inc.**
61 BILL LEATHEM DRIVE
OTTAWA ON K2J 0P7 | **EASR**

Approval No: R-003-6325612993
Status: REGISTERED
Date: 2013-04-16
Record Type: EASR
Link Source: MOFA
Project Type: Heating System
Full Address:
Approval Type: EASR-Heating System
Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2869
PDF URL:
PDF Site Location:

SWP Area Name:
MOE District:
Municipality: OTTAWA
Latitude:
Longitude:
Geometry X:
Geometry Y:

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6 | **6 of 19** | **W/197.1** | **90.9 / 2.13** | **JDS Uniphase Inc.**
61 Bill Leathem Drive
Nepean ON K2J 0P7 | **GEN**

Generator No: ON4267608
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 541710, 541510, 541380
SIC Description: Research and Development in the Physical Engineering and Life Sciences, Computer Systems Design and Related Services, Testing Laboratories

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

Detail(s)

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

Waste Class: 262
Waste Class Desc: DETERGENTS/SOAPS

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

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 268
Waste Class Desc: AMINES

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 267
Waste Class Desc: ORGANIC ACIDS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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

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6 | **7 of 19** | **W/197.1** | **90.9 / 2.13** | **JDS Uniphase Inc.**
61 Bill Leathem Drive
Nepean ON K2J 0P7 | **GEN**

Generator No: ON4267608
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 541710, 541510, 541380
SIC Description: Research and Development in the Physical Engineering and Life Sciences, Computer Systems Design and Related Services, Testing Laboratories

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

Detail(s)

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 267
Waste Class Desc: ORGANIC ACIDS

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

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 268
Waste Class Desc: AMINES

Waste Class: 262
Waste Class Desc: DETERGENTS/SOAPS

Waste Class: 121

Waste Class Desc: ALKALINE WASTES - HEAVY METALS

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

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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6 | **8 of 19** | **W/197.1** | **90.9 / 2.13** | **Lumentum Ottawa Inc.**
61 BILL LEATHEM DRIVE
OTTAWA ON K2J 0P7 | **EASR**

Approval No: R-002-3388758525
Status: REGISTERED
Date: 2013-11-21
Record Type: EASR
Link Source: MOFA
Project Type: Standby Power System
Full Address:
Approval Type: EASR-Standby Power System
Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=6531
PDF URL:
PDF Site Location:

SWP Area Name:
MOE District:
Municipality: OTTAWA
Latitude:
Longitude:
Geometry X:
Geometry Y:

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6 | **9 of 19** | **W/197.1** | **90.9 / 2.13** | **JDS Uniphase Inc.**
61 Bill Leathem Drive
Nepean ON K2J 0P7 | **GEN**

Generator No: ON4267608
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 541710, 541510, 541380
SIC Description: Research and Development in the Physical Engineering and Life Sciences, Computer Systems Design and Related Services, Testing Laboratories

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

Detail(s)

Waste Class: 268
Waste Class Desc: AMINES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 267
Waste Class Desc: ORGANIC ACIDS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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

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

Waste Class: 262
Waste Class Desc: DETERGENTS/SOAPS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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

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6 | **10 of 19** | **W/197.1** | **90.9 / 2.13** | **JDS Uniphase Inc.**
61 Bill Leathem Drive
OTTAWA ON K2J 0P7 | **ECA**

Approval No: 8200-9DTU4Y
Approval Date: 13-DEC-13
Status: Approved
Record Type:
Link Source:
SWP Area Name:
Approval Type:
Project Type: Air/Noise
Business Name: JDS Uniphase Inc.
Address:
Full Address: 61 Bill Leathem Drive Ottawa K2J 0P7
Full PDF Link:

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

---

6 | **11 of 19** | **W/197.1** | **90.9 / 2.13** | **JDS Uniphase Inc.**
61 Bill Leathem Drive
Nepean ON | **GEN**

Generator No: ON4267608
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 541710, 541510, 541380
SIC Description: RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING AND LIFE SCIENCES, COMPUTER SYSTEMS DESIGN AND RELATED SERVICES, TESTING LABORATORIES

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

Detail(s)

Waste Class: 262
Waste Class Desc: DETERGENTS/SOAPS

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

Waste Class: 268
Waste Class Desc: AMINES

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 267
Waste Class Desc: ORGANIC ACIDS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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

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

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

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6 | **12 of 19** | **W/197.1** | **90.9 / 2.13** | **61 Bill Leathem Dr**
Ottawa ON K2J0P7 | **EHS**

Order No: 20160914018
Status: C
Report Type: Standard Report
Report Date: 19-SEP-16
Date Received: 14-SEP-16
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.710897
Y: 45.296113

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6 | **13 of 19** | **W/197.1** | **90.9 / 2.13** | **JDS Uniphase Inc.**
61 Bill Leathem Dr
Ottawa ON K2J 0P7 | **ECA**

Approval No: 8200-9DTU4Y
Approval Date: 2013-12-13
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-AIR
Project Type: AIR
Business Name: JDS Uniphase Inc.
Address: 61 Bill Leathem Dr
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2549-8FFSEY-14.pdf

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

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6 | **14 of 19** | **W/197.1** | **90.9 / 2.13** | **Lumentum Ottawa Inc.**
61 Bill Leathem Drive
Nepean ON K2J 0P7 | **GEN**

Generator No: ON4267608
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 541710, 541510, 541380
SIC Description: RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING AND LIFE SCIENCES, COMPUTER SYSTEMS DESIGN AND RELATED SERVICES, TESTING LABORATORIES

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Michael T Lane
Phone No Admin: 408-750-1880 Ext.

Detail(s)

Waste Class: 146

Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

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

Waste Class: 262
Waste Class Desc: DETERGENTS/SOAPS

Waste Class: 267
Waste Class Desc: ORGANIC ACIDS

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

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 268
Waste Class Desc: AMINES

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

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6 | ***15 of 19*** | ***W/197.1*** | ***90.9 / 2.13*** | ***Lumentum Ottawa Inc.***
61 Bill Leathem Drive
Nepean ON K2J 0P7 | ***GEN***

Generator No: ON4267608
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 541710, 541510, 541380
SIC Description: RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING AND LIFE SCIENCES, COMPUTER SYSTEMS DESIGN AND RELATED SERVICES, TESTING LABORATORIES

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Michael T Lane
Phone No Admin: 408-750-1880 Ext.

Detail(s)

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

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

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

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

Waste Class: 268
Waste Class Desc: AMINES

Waste Class: 267
Waste Class Desc: ORGANIC ACIDS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 262
Waste Class Desc: DETERGENTS/SOAPS

---

6 | **16 of 19** | **W/197.1** | **90.9 / 2.13** | **JDS Uniphase Inc.**
61 Bill Leathem Drive
Nepean ON K2J 0P7 | **GEN**

Generator No: ON4267608
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 541710, 541510, 541380
SIC Description: RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING AND LIFE SCIENCES, COMPUTER SYSTEMS DESIGN AND RELATED SERVICES, TESTING LABORATORIES

PO Box No:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Michael T Lane
Phone No Admin: 408-750-1880 Ext.

Detail(s)

Waste Class: 262
Waste Class Desc: DETERGENTS/SOAPS

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

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

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

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 268
Waste Class Desc: AMINES

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

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

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 267
Waste Class Desc: ORGANIC ACIDS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

---

6 | **17 of 19** | **W/197.1** | **90.9 / 2.13** | **Lumentum Ottawa Inc.**
61 Bill Leathem Drive
Nepean ON K2J 0P7 | **GEN**

Generator No: ON4267608
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 112 C
Waste Class Desc: Acid solutions - containing heavy metals

Waste Class: 112 L
Waste Class Desc: Acid solutions - containing heavy metals

Waste Class: 121 C
Waste Class Desc: Alkaline slutions - containing heavy metals

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

Waste Class: 145 I
Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 146 T
Waste Class Desc: Other specified inorganic sludges, slurries or solids

Waste Class: 148 B
Waste Class Desc: Misc. wastes and inorganic chemicals

Waste Class: 148 I
Waste Class Desc: Misc. wastes and inorganic chemicals

Waste Class: 212 I
Waste Class Desc: Aliphatic solvents and residues

Waste Class: 212 L
Waste Class Desc: Aliphatic solvents and residues

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 262 L
Waste Class Desc: Detergents and soaps

Waste Class: 263 B
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 263 I
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 263 L
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 267 C
Waste Class Desc: Organic acids

---

6 | **18 of 19** | **W/197.1** | **90.9 / 2.13** | **Lumentum Ottawa Inc.**
61 Bill Leathem Drive
Nepean ON K2J 0P7 | **GEN**

Generator No: ON4267608
Status: Registered
Approval Years: As of Jul 2020
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 263 B
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 148 B
Waste Class Desc: Misc. wastes and inorganic chemicals

Waste Class: 267 C
Waste Class Desc: Organic acids

Waste Class: 112 C
Waste Class Desc: Acid solutions - containing heavy metals

Waste Class: 146 T
Waste Class Desc: Other specified inorganic sludges, slurries or solids

Waste Class: 263 L
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 212 I
Waste Class Desc: Aliphatic solvents and residues

Waste Class: 121 C
Waste Class Desc: Alkaline slutions - containing heavy metals

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

Waste Class: 145 I
Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 262 L
Waste Class Desc: Detergents and soaps

Waste Class: 112 L
Waste Class Desc: Acid solutions - containing heavy metals

Waste Class: 148 I
Waste Class Desc: Misc. wastes and inorganic chemicals

Waste Class: 263 I
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 212 L

Waste Class Desc: Aliphatic solvents and residues

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	19 of 19	W/197.1	90.9 / 2.13	***Lumentum Ottawa Inc.*** ***61 Bill Leathem Drive*** ***Nepean ON K2J 0P7***	GEN

Generator No: ON4267608
Status: Registered
Approval Years: As of Apr 2021
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 112 C
Waste Class Desc: Acid solutions - containing heavy metals

Waste Class: 263 B
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 267 C
Waste Class Desc: Organic acids

Waste Class: 146 T
Waste Class Desc: Other specified inorganic sludges, slurries or solids

Waste Class: 148 B
Waste Class Desc: Misc. wastes and inorganic chemicals

Waste Class: 148 I
Waste Class Desc: Misc. wastes and inorganic chemicals

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

Waste Class: 263 L
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 331 I
Waste Class Desc: Waste compressed gases including cylinders

Waste Class: 263 I
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 262 L
Waste Class Desc: Detergents and soaps

Waste Class: 213 I
Waste Class Desc: Petroleum distillates

Waste Class: 145 I
Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 212 L
Waste Class Desc: Aliphatic solvents and residues

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

Waste Class: 121 C
Waste Class Desc: Alkaline slutions - containing heavy metals

Waste Class: 212 I
Waste Class Desc: Aliphatic solvents and residues

Waste Class: 112 L
Waste Class Desc: Acid solutions - containing heavy metals

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7 **1 of 2** **E/201.6** **84.9 / -3.93** **PUBLIC WORKS GOVERNMENT SERVICES CANADA**
73 LEIKIN DR SUITE M1-0-911 OTTAWA K1A 0R2 ON CA
ON **CFOT**

Licence No:
Registration No:
Posse File No:
Posse Reg No:
Status Name:
Tank Type: Double Wall UST
Tank Size: 5000
Tank Material: Fiberglass (FRP)
Instance No: 64713706
Inst Creation Date: 1/12/2016 1:48:38 PM
Inst Install Date: 1/12/2016 1:48:38 PM
Item: FS FUEL OIL TANK
Tank Age (as of 05/1992):
Device Installed Location: 73 LEIKIN DR SUITE M1-0-911 OTTAWA K1A 0R2 ON CA
Description: NULL
Contact Name:
Contact Address:
Contact Address2:
Contact Suite:
Contact City:
Contact Prov:
Contact Postal:

Item Description: Fuel Oil Tank
Instance Type:
Facility Type:
Fuel Type:
Distributor:
Letter Sent:
Comments:
Corrosion Protect:
Province:
Nbr:
Context: FS Fuel Oil Tank

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7 **2 of 2** **E/201.6** **84.9 / -3.93** **PUBLIC WORKS GOVERNMENT SERVICES CANADA**
73 LEIKIN DR SUITE M1-0-911 OTTAWA K1A 0R2 ON CA
ON **FST**

Instance No: 64713706
Status: Active
Cont Name:
Instance Type:
Item:
Item Description: Fuel Oil Tank
Tank Type: Double Wall UST
Install Date: 1/12/2016 1:48:38 PM
Install Year: 2012
Years in Service: NULL
Model: P40DW
Description: NULL
Capacity: 5000
Tank Material: Fiberglass (FRP)
Corrosion Protect: NULL
Overfill Protect:
Facility Type: FS FUEL OIL TANK
Parent Facility Type:
Facility Location: 73 LEIKIN DR SUITE M1-0-911 OTTAWA K1A 0R2 ON CA

Manufacturer: ZCL
Serial No: NULL
Ulc Standard: NULL
Quantity: 1
Unit of Measure: EA
Fuel Type:
Fuel Type2:
Fuel Type3:
Piping Steel:
Piping Galvanized:
Tanks Single Wall St:
Piping Underground:
Num Underground:
Panam Related: NULL
Panam Venue: NULL

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

8 | 1 of 36 | E/241.9 | 84.9 / -3.93 | SPL

CONTRACTOR
3000 MERIVALE RD AT HWY 16-
CONSTRUCTION SITE MOTOR VEHICLE
(OPERATING FLUID)
OTTAWA CITY ON

Ref No:	152313	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	2/10/1998	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	OTHER CAUSE (N.O.S.)	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:	POSSIBLE	Site Municipality:	20101
Nature of Impact:	Soil contamination	Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	2/11/1998	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	ERROR	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	GEODEX CONSTRUCTION-5L OF MOTOR OIL TO GROUND.		
Contaminant Qty:			

8 | 2 of 36 | E/241.9 | 84.9 / -3.93 | SPL

JDS FITEL (UNIPHASE) INC.
3000 MERIVALE RD, PARKING LOT 3000
MERIVALE RD NEPEAN ON
NEPEAN CITY ON

Ref No:	179071	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	3/28/2000	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	OTHER CONTAINER LEAK	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	POSSIBLE	Site Municipality:	20104
Nature of Impact:	Water course or lake	Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	3/31/2000	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	ERROR	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	JDS UNIPHASE-4L METHYLENECHLORIDE TO PVMT,POSSIBLEC-BASIN.TO CHECK/PUMP.		

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

8	3 of 36	E/241.9	84.9 / -3.93	JDS UNIPHASE INC. 3000 MERIVALE ROAD NEPEAN CITY ON	CA

Certificate #: 8-4255-99-
Application Year: 99
Issue Date: //
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: BOILERS, CLEANING TANK, STANDBY POWER
Contaminants:
Emission Control:

8	4 of 36	E/241.9	84.9 / -3.93	3000 Merivale Road Nepean ON	CA

Certificate #: 1464-4VGSD5
Application Year: 01
Issue Date: 4/10/01
Approval Type: Industrial air
Status: Approved
Application Type: New Certificate of Approval
Client Name: JDS Uniphase Inc.
Client Address: 570 West Hunt Club Road
Client City: Nepean
Client Postal Code: K2G 5W8
Project Description: Installation of three natural gas boilers for heating water exhausting from a common 0.5m diameter stack and one natural gas boiler for steam production. One 0.1 diameter muffler, 6m above ground, discharging the exhaust from a 355 kw emergency diesel generator located approximately 5m from the main building housed in its own weather proof structure. Two 1.56m diameter stacks located on the roof, discharging the production exhaust from all localized exhaust systems in the clean rooms, packing and sealing room, oven rooms and research lab. Only one production exhaust stack operates at any one time. Four roof top cooling towers and eight rooftop air handling units of various size.
Contaminants:
Emission Control: No Controls

8	5 of 36	E/241.9	84.9 / -3.93	3000 Merivale Road Nepean ON	CA

Certificate #: 1298-568SSM
Application Year: 02
Issue Date: 5/13/02
Approval Type: Industrial air
Status: Approved
Application Type: New Certificate of Approval
Client Name: JDS Uniphase Inc.
Client Address: 570 West Hunt Club Road
Client City: Nepean
Client Postal Code: K2G 5W8
Project Description: This application is for a comprehensive site-wide certificate of approval for emissions to atmosphere from the manufacture of clean and package fibre optic components using solvents and epoxies. In addition to existing approved sources, sources that discharge to atmosphere include a laser laboratory, deuterium loader, isolator assembly, slot block assembly, lens preparation, relay body assembly, reflectivity measuring, mirror inspection (coating and cleaning), sealing and packaging, rework booth, centrepiece and device curing, sandblasting,

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

centrepiece assembly exhaust, polishing laboratory exhaust (degreaser), polishing laboratory exhaust (fume hood), polishing laboratory exhaust (spray booth), sandblasting room exhaust, wet bench, chemical storage locker exhaust (coating room), boxcoater exhaust, production exhaust system, process exhaust system, circuit card assembly (cleaning and coating), assembly room (gluing and soldering) and a production exhaust system in Building N.

Contaminants:
Emission Control:

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8 | ***6 of 36*** | ***E/241.9*** | ***84.9 / -3.93*** | ***3000 Merivale Road Nepean ON*** | ***CA***

Certificate #: 5404-4U4M53
Application Year: 01
Issue Date: 2/20/01
Approval Type: Industrial air
Status: Approved
Application Type: Amended CofA
Client Name: JDS Uniphase Corporation
Client Address: 570 West Hunt Club Road
Client City: Nepean
Client Postal Code: K2G 5W8
Project Description: The purpose of the amendment is to re-address the impact of the standby diesel generator based on control measures which were not accounted for in the previous analysis.

Contaminants:
Emission Control:

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8 | ***7 of 36*** | ***E/241.9*** | ***84.9 / -3.93*** | ***JDS Uniphase Corporation 3000 Merivale Road NEPEAN ON*** | ***EBR***

EBR Registry No: IA9E1227
Ministry Ref No: 8422699
Notice Type: Instrument Decision
Notice Stage:
Notice Date: February 27, 2009
Proposal Date: October 07, 1999
Year: 1999
Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Off Instrument Name:
Posted By:
Company Name: JDS Uniphase Corporation
Site Address:
Location Other:
Proponent Name:
Proponent Address: 570 West Hunt Club Road, Nepean Ontario, K2G 5W8
Comment Period:
URL:

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

Site Location Details:

3000 Merivale Road NEPEAN

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8 | ***8 of 36*** | ***E/241.9*** | ***84.9 / -3.93*** | ***JDS Uniphase Inc. 3000 Merivale Road NEPEAN ON*** | ***EBR***

EBR Registry No: IA9E1735
Ministry Ref No: 8425599
Notice Type: Instrument Decision
Notice Stage:

Decision Posted:
Exception Posted:
Section:
Act 1:

Notice Date:	February 01, 2000	**Act 2:**	
Proposal Date:	November 15, 1999	**Site Location Map:**	
Year:	1999		
Instrument Type:	(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)		
Off Instrument Name:			
Posted By:			
Company Name:	JDS Uniphase Inc.		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	570 West Hunt Club Road, Nepean Ontario, K2G 5W8		
Comment Period:			
URL:			

Site Location Details:

3000 Merivale Road NEPEAN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	9 of 36	E/241.9	84.9 / -3.93	**JDS Uniphase Inc.** **3000 Merivale Road Nepean Ontario K2G 6N7** **Nepean** **ON**	EBR

EBR Registry No:	IA00E1893	**Decision Posted:**	
Ministry Ref No:	1048-4RST89	**Exception Posted:**	
Notice Type:	Instrument Decision	**Section:**	
Notice Stage:		**Act 1:**	
Notice Date:	April 18, 2001	**Act 2:**	
Proposal Date:	December 12, 2000	**Site Location Map:**	
Year:	2000		
Instrument Type:	(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)		
Off Instrument Name:			
Posted By:			
Company Name:	JDS Uniphase Inc.		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	2445 St. Laurent Boulevard, Ottawa Ontario, K1G 6C3		
Comment Period:			
URL:			

Site Location Details:

3000 Merivale Road Nepean Ontario K2G 6N7 Nepean

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	10 of 36	E/241.9	84.9 / -3.93	**JDS Uniphase Inc.** **3000 Merivale Road Nepean Ontario K2G 6N7** **Nepean** **ON**	EBR

EBR Registry No:	IA01E1524	**Decision Posted:**	
Ministry Ref No:	5233-53ZKQF	**Exception Posted:**	
Notice Type:	Instrument Decision	**Section:**	
Notice Stage:		**Act 1:**	
Notice Date:	May 22, 2002	**Act 2:**	
Proposal Date:	October 30, 2001	**Site Location Map:**	
Year:	2001		
Instrument Type:	(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)		
Off Instrument Name:			
Posted By:			

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

Company Name: JDS Uniphase Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 2445 St. Laurent Boulevard, Ottawa Ontario, K1G 6C3
Comment Period:
URL:

Site Location Details:

3000 Merivale Road Nepean Ontario K2G 6N7 Nepean

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	11 of 36	E/241.9	84.9 / -3.93	JDS Uniphase Ltd. 3000 Merivale Rd Nepean ON	SCT

Established: 1981
Plant Size (ft²):
Employment: 011

--Details--
Description: Commercial and Service Industry Machinery Manufacturing
SIC/NAICS Code: 333310

Description: Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code: 334512

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	12 of 36	E/241.9	84.9 / -3.93	JDS FITEL INC. 3000 MERIVALE ROAD NEPEAN ON K2C 3H1	GEN

Generator No: ON1312004
Status:
Approval Years: 98
Contam. Facility:
MHSW Facility:
SIC Code: 3359
SIC Description: OTHER COMMUN. & ELE.

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

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	13 of 36	E/241.9	84.9 / -3.93	JDS UNIPHASE CORPORATION 3000 MERIVALE ROAD NEPEAN ON K2C 3H1	GEN

Generator No: ON1312004
Status:
Approval Years: 99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 3359
SIC Description: OTHER COMMUN. & ELE.

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

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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

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

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 253
Waste Class Desc: EMULSIFIED OILS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

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8 | ***14 of 36*** | ***E/241.9*** | ***84.9 / -3.93*** | ***JDS UNIPHASE Inc.***
3000 MERIVALE ROAD
NEPEAN ON K2C 3H1 | ***GEN***

Generator No: ON1312004
Status:
Approval Years: 02,03,04,05,06,07,08
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

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

Waste Class: 232
Waste Class Desc: POLYMERIC RESINS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

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

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

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

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

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

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

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

Waste Class: 253
Waste Class Desc: EMULSIFIED OILS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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

8	15 of 36	E/241.9	84.9 / -3.93	**JDS Uniphase Corporation** **3000 Merivale Rd** **Nepean ON K2G 6N7**	SCT

Established: 1981
Plant Size (ft²):
Employment:

--Details--
Description: Commercial and Service Industry Machinery Manufacturing
SIC/NAICS Code: 333310

Description: Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code: 334512

8	16 of 36	E/241.9	84.9 / -3.93	**Minto Commercial Inc.** **3000 Merivale Road** **Ottawa ON K2G6N7**	GEN

Generator No: ON9464946
Status:
Approval Years: 05,06,07,08
Contam. Facility:
MHSW Facility:
SIC Code: 531120
SIC Description: Lessors of Non-Residential Buildings (except Mini-Warehouses)

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

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

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

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

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

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8 **17 of 36** **E/241.9** **84.9 / -3.93** **3000 Merivale Road Ottawa ON** **EHS**

Order No: 20071115015
Status: C
Report Type: CAN - Complete Report
Report Date: 11/26/2007
Date Received: 11/15/2007
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps And /or Site Plans

Nearest Intersection: Merivale Rd. and Queen Anne Crec.
Municipality:
Client Prov/State:
Search Radius (km): 0.25
X: -75.704145
Y: 45.295958

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8 **18 of 36** **E/241.9** **84.9 / -3.93** **JDS Uniphase Inc. 3000 Merivale Road Nepean ON** **SPL**

Ref No: 8075-5KULXJ
Site No:
Incident Dt: 3/21/2003
Year:
Incident Cause:
Incident Event:
Contaminant Code: 38
Contaminant Name: FREON R-22 (CFC)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Confirmed
Nature of Impact: Air Pollution
Receiving Medium: Air
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 3/21/2003
Dt Document Closed:
Incident Reason: Equipment Failure
Site Name: 3000 MERIVALE ROAD
Site County/District:
Site Geo Ref Meth:
Incident Summary: JDS Uniphase - 618 kg freon to atm
Contaminant Qty: 618 kg

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

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8 **19 of 36** **E/241.9** **84.9 / -3.93** **JDS Uniphase Corporation 3000 MARIVALE RD., NEPEAN<UNOFFICIAL> Ottawa ON** **SPL**

Ref No: 5124-5XNQZZ
Site No:
Incident Dt: 4/2/2004
Year:
Incident Cause: Valve / Fitting Leak Or Failure
Incident Event:
Contaminant Code: 38
Contaminant Name: FREON R-22 (CFC)

Discharger Report:
Material Group: Gases/Particulate
Health/Env Conseq:
Client Type:
Sector Type: Other
Agency Involved:
Nearest Watercourse:
Site Address:

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

Contaminant Limit 1:		**Site District Office:**	Ottawa
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	Eastern
Environment Impact:	Not Anticipated	**Site Municipality:**	Ottawa
Nature of Impact:	Air Pollution	**Site Lot:**	
Receiving Medium:	Air	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	4/2/2004	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Spill to Air
Incident Reason:		**Source Type:**	

Site Name: 3000 MARIVALE RD., NEPEAN<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: JDS Uniphase Corp.,340 lbs R22 to ATM
Contaminant Qty: 154.545454545455 Kg

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8 | ***20 of 36*** | ***E/241.9*** | ***84.9 / -3.93*** | ***Public Work Government Service Canada*** | ***CA***
3000 Merivale Rd
Ottawa ON

Certificate #: 3448-7WDQFM
Application Year: 2009
Issue Date: 10/2/2009
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

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8 | ***21 of 36*** | ***E/241.9*** | ***84.9 / -3.93*** | ***Minto Commercial Inc.*** | ***GEN***
3000 Merivale Road
Ottawa ON

Generator No:	ON9464946	**PO Box No:**	
Status:		**Country:**	
Approval Years:	2009	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:	531120		

SIC Description: Lessors of Non-Residential Buildings (except Mini-Warehouses)

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

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

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	22 of 36	E/241.9	84.9 / -3.93	Minto Commercial Inc. 3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON	GEN

Generator No: ON9464946
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 531120
SIC Description: Lessors of Non-Residential Buildings (except Mini-Warehouses)

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

Detail(s)

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

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

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	23 of 36	E/241.9	84.9 / -3.93	Minto Commercial Inc. 3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON	GEN

Generator No: ON9464946
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 531120
SIC Description: Lessors of Non-Residential Buildings (except Mini-Warehouses)

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

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	24 of 36	E/241.9	84.9 / -3.93	Minto Commercial Inc. 3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	GEN

Generator No: ON9464946
Status:
Approval Years: 2012

PO Box No:
Country:
Choice of Contact:

Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:	531120		
SIC Description:	Lessors of Non-Residential Buildings (except Mini-Warehouses)		

Detail(s)

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

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8 | ***25 of 36*** | ***E/241.9*** | ***84.9 / -3.93*** | ***JDS UNIPHASE INC.***
3000 Merivale Road
Ottawa ON K2G6N7 | ***NPRI***

NPRI ID:	8800001566	**Org ID:**	
Other ID:		**Submit Date:**	
No Other ID:		**Last Modified:**	
Track ID:		**Contact ID:**	
Report ID:		**Cont Type:**	MED
Report Type:		**Contact Title:**	
Rpt Type ID:		**Cont First Name:**	
Report Year:	2004	**Cont Last Name:**	
Not-Current Rpt?:		**Contact Position:**	
Yr of Last Filed Rpt:		**Contact Fax:**	
Fac ID:		**Contact Ph.:**	
Fac Name:	JDS UNIPHASE	**Cont Area Code:**	
Fac Address1:		**Contact Tel.:**	
Fac Address2:		**Contact Ext.:**	
Fac Postal Zip:		**Cont Fax Area Cde:**	
Facility Lat:		**Contact Fax:**	
Facility Long:		**Contact Email:**	
DLS (Last Filed Rpt):		**Latitude:**	
Facility DLS:		**Longitude:**	
Datum:		**UTM Zone:**	
Facility Cmnts:		**UTM Northing:**	
URL:		**UTM Easting:**	
No of Empl.:	590	**Waste Streams:**	
Parent Co.:		**No Streams:**	
No Parent Co.:		**Waste Off Sites:**	
Pollut Prev Cmnts:		**No Off Sites:**	
Stacks:		**Shutdown:**	
No of Stacks:		**No of Shutdown:**	
Canadian SIC Code (2 digit):			
Canadian SIC Code:			
SIC Code Description:			
American SIC Code:			
NAICS Code (2 digit):	31-33		
NAICS 2 Description:	Manufacturing		
NAICS Code (4 digit):	3346		
NAICS 4 Description:	Manufacturing and Reproducing Magnetic and Optical Media		
NAICS Code (6 digit):	334610		
NAICS 6 Description:	Manufacturing and Reproducing Magnetic and Optical Media		

Substance Release Report

CAS No: 7446-09-5
Report ID:
Rpt Period: 2004
Subst Released: Sulphur dioxide
Air:
Water:
Land:
Total Releases:
Units: tonnes

CAS No: 811-97-2
Report ID:
Rpt Period: 2004
Subst Released: HFC-134a Hydrofluorocarbon
Air:
Water:
Land:
Total Releases:
Units: tonnes

CAS No: NA - M10
Report ID:
Rpt Period: 2004
Subst Released: PM2.5 - Particulate Matter <= 2.5 Microns
Air:
Water:
Land:
Total Releases:
Units: tonnes

CAS No: 74-82-8
Report ID:
Rpt Period: 2004
Subst Released: Methane
Air:
Water:
Land:
Total Releases:
Units: tonnes

CAS No: 630-08-0
Report ID:
Rpt Period: 2004
Subst Released: Carbon monoxide
Air:
Water:
Land:
Total Releases:
Units: tonnes

CAS No: NA - M09
Report ID:
Rpt Period: 2004
Subst Released: PM10 - Particulate Matter <= 10 Microns
Air:
Water:
Land:
Total Releases:
Units: tonnes

CAS No: 10024-97-2
Report ID:
Rpt Period: 2004
Subst Released: Nitrous oxide
Air:

Water:
Land:
Total Releases:
Units: tonnes

CAS No: 11104-93-1
Report ID:
Rpt Period: 2004
Subst Released: Nitrogen oxides (expressed as NO2)
Air:
Water:
Land:
Total Releases:
Units: tonnes

CAS No: 124-38-9
Report ID:
Rpt Period: 2004
Subst Released: Carbon dioxide
Air:
Water:
Land:
Total Releases:
Units: tonnes

CAS No: NA - M08
Report ID:
Rpt Period: 2004
Subst Released: PM - Total Particulate Matter
Air:
Water:
Land:
Total Releases:
Units: tonnes

CAS No: NA - M16
Report ID:
Rpt Period: 2004
Subst Released: Volatile Organic Compounds (VOCs)
Air:
Water:
Land:
Total Releases:
Units: tonnes

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8 | ***26 of 36*** | ***E/241.9*** | ***84.9 / -3.93*** | ***Minto Commercial Inc.***
3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road)
Ottawa ON | ***GEN***

Generator No: ON9464946
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 531120
SIC Description: LESSORS OF NON-RESIDENTIAL BUILDINGS (EXCEPT MINI-WAREHOUSES)

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

Detail(s)

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

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

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8 | **27 of 36** | **E/241.9** | **84.9 / -3.93** | **Public Work Government Service Canada**
3000 Merivale Rd
Ottawa ON K1A 0R2 | **ECA**

Approval No: 3448-7WDQFM
Approval Date: 2009-10-02
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-AIR
Project Type: AIR
Business Name: Public Work Government Service Canada
Address: 3000 Merivale Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6999-7TQP3R-14.pdf

MOE District: Ottawa
City:
Longitude: -75.705666
Latitude: 45.294838
Geometry X:
Geometry Y:

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8 | **28 of 36** | **E/241.9** | **84.9 / -3.93** | **JDS Uniphase Inc.**
3000 Merivale Road
Nepean ON K2G 5W8 | **ECA**

Approval No: 1464-4VGSD5
Approval Date: 2001-04-10
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-AIR
Project Type: AIR
Business Name: JDS Uniphase Inc.
Address: 3000 Merivale Road
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1048-4RST89-14.pdf

MOE District: Ottawa
City:
Longitude: -75.705666
Latitude: 45.294838
Geometry X:
Geometry Y:

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8 | **29 of 36** | **E/241.9** | **84.9 / -3.93** | **JDS Uniphase Corporation**
3000 Merivale Road
Nepean ON K2G 5W8 | **ECA**

Approval No: 5404-4U4M53
Approval Date: 2001-02-20
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-AIR
Project Type: AIR
Business Name: JDS Uniphase Corporation

MOE District: Ottawa
City:
Longitude: -75.705666
Latitude: 45.294838
Geometry X:
Geometry Y:

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

Address: 3000 Merivale Road
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5821-4T2T9C-14.pdf

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8 | **30 of 36** | **E/241.9** | **84.9 / -3.93** | **JDS Uniphase Inc.**
3000 Merivale Road
Nepean ON K2G 5W8 | **ECA**

Approval No: 1298-568SSM
Approval Date: 2002-05-13
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-AIR
Project Type: AIR
Business Name: JDS Uniphase Inc.
Address: 3000 Merivale Road
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5233-53ZKQF-14.pdf

MOE District: Ottawa
City:
Longitude: -75.705666
Latitude: 45.294838
Geometry X:
Geometry Y:

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8 | **31 of 36** | **E/241.9** | **84.9 / -3.93** | **Minto Commercial Inc.**
3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road)
Ottawa ON K2G6N7 | **GEN**

Generator No: ON9464946
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 531120
SIC Description: LESSORS OF NON-RESIDENTIAL BUILDINGS (EXCEPT MINI-WAREHOUSES)

PO Box No:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Steve Maber
Phone No Admin: 613-786-3000 Ext.

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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

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

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

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8 | **32 of 36** | **E/241.9** | **84.9 / -3.93** | **Minto Commercial Inc.**
3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road)
Ottawa ON K2G6N7 | **GEN**

Generator No: ON9464946
Status:

PO Box No:
Country: Canada

Approval Years:	2016	**Choice of Contact:**	CO_ADMIN
Contam. Facility:	No	**Co Admin:**	Steve Maber
MHSW Facility:	No	**Phone No Admin:**	613-786-7942 Ext.
SIC Code:	531120		
SIC Description:	LESSORS OF NON-RESIDENTIAL BUILDINGS (EXCEPT MINI-WAREHOUSES)		

Detail(s)

Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	121
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS

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8 ***33 of 36*** ***E/241.9*** ***84.9 / -3.93*** ***Minto Commercial Inc.***
3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road)
Ottawa ON K2G6N7 ***GEN***

Generator No:	ON9464946	**PO Box No:**	
Status:		**Country:**	Canada
Approval Years:	2014	**Choice of Contact:**	CO_ADMIN
Contam. Facility:	No	**Co Admin:**	Steve Maber
MHSW Facility:	No	**Phone No Admin:**	613-786-3000 Ext.
SIC Code:	531120		
SIC Description:	LESSORS OF NON-RESIDENTIAL BUILDINGS (EXCEPT MINI-WAREHOUSES)		

Detail(s)

Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	121
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS

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8 ***34 of 36*** ***E/241.9*** ***84.9 / -3.93*** ***Minto Commercial Inc.***
3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) ***GEN***

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				Ottawa ON K2G6N7	

Generator No: ON9464946
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 121 C
Waste Class Desc: Alkaline slutions - containing heavy metals

Waste Class: 146 T
Waste Class Desc: Other specified inorganic sludges, slurries or solids

Waste Class: 212 L
Waste Class Desc: Aliphatic solvents and residues

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	35 of 36	E/241.9	84.9 / -3.93	**Minto Commercial Inc.** **3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road)** **Ottawa ON K2G6N7**	GEN

Generator No: ON9464946
Status: Registered
Approval Years: As of Jul 2020
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 145 I
Waste Class Desc: Wastes from the use of pigments, coatings and paints

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

Waste Class: 146 T
Waste Class Desc: Other specified inorganic sludges, slurries or solids

Waste Class: 212 L
Waste Class Desc: Aliphatic solvents and residues

Waste Class: 121 C
Waste Class Desc: Alkaline slutions - containing heavy metals

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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	36 of 36	E/241.9	84.9 / -3.93	**Minto Commercial Inc.** **3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road)** **Ottawa ON K2G6N7**	GEN

Generator No: ON9464946
Status: Registered
Approval Years: As of Apr 2021

PO Box No:
Country: Canada
Choice of Contact:

Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code:
SIC Description:

Detail(s)

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

Waste Class: 212 L
Waste Class Desc: Aliphatic solvents and residues

Waste Class: 145 I
Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 146 T
Waste Class Desc: Other specified inorganic sludges, slurries or solids

Waste Class: 121 C
Waste Class Desc: Alkaline slutions - containing heavy metals

Unplottable Summary

Total: 29 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Woodroffe Classics Phase II	Lot 17, Concession 1	Nepean ON	
CA	Woodroffe Classics Phase II	Lot 17, Concession 1	Nepean ON	
CA	Walkley Site	Lots 15,16,17,18,19,20,21,22, Concession 1,2,3	Ottawa ON	
CA	Davidson Heights	Lot 17, Concession 1	Nepean ON	
CA	Davidson Heights	Lot 17, Concession 1	Nepean ON	
CA	Davidson Heights	Lot 17, Concession 1	Nepean ON	
CA	JDS FITEL INC.	LEIKIN DR., PT.LOTS 17&18, SWM	NEPEAN ON	
CA	CONSUMERS GAS COMPANY LIMITED	PT.LOT 18/CONC.1, ST.'B'(SWM)_	NEPEAN CITY ON	
EBR	JDS Fitel Inc.	Bldg.C NEPEAN	ON	
WWIS		lot 18	ON	
WWIS		lot 17	ON	
WWIS		lot 18	ON	
WWIS		con 1	ON	
WWIS		con 1	ON	
WWIS		lot 18	ON	
WWIS		lot 17	ON	
WWIS		lot 18	ON	
WWIS		lot 18	ON	
WWIS		lot 18	ON	

WWIS	lot 18	ON
WWIS	con 1	ON
WWIS	lot 18	ON
WWIS	lot 18	ON
WWIS	lot 18	ON
WWIS	lot 18	ON
WWIS	lot 18	ON
WWIS	lot 18	ON
WWIS	lot 18	ON
WWIS	con 1	ON

Unplottable Report

Site: ***Woodroffe Classics Phase II***
Lot 17, Concession 1 Nepean ON

Database: ***CA***

Certificate #:	0325-4RGRHM
Application Year:	00
Issue Date:	12/8/00
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Richcraft Homes Ltd.
Client Address:	201-2280 St. Laurent Blvd.
Client City:	Ottawa
Client Postal Code:	K1G 4K1
Project Description:	Storm and sanitary sewer construction on Maplestand Way, Sachs Forest Place, Knowlton Drive and Ash Valley Drive.
Contaminants:	
Emission Control:	

Site: ***Woodroffe Classics Phase II***
Lot 17, Concession 1 Nepean ON

Database: ***CA***

Certificate #:	5204-4RGRNN
Application Year:	00
Issue Date:	12/1/00
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Richcraft Homes Ltd.
Client Address:	201-2280 St. Laurent Blvd.
Client City:	Ottawa
Client Postal Code:	K1G 4K1
Project Description:	watermains to be constructed on Maplestand Way, Sachs Forest Place, Mountain Ash Drive, Knowlton Drive and Ash Valley Drive.
Contaminants:	
Emission Control:	

Site: ***Walkley Site***
Lots 15,16,17,18,19,20,21,22, Concession 1,2,3 Ottawa ON

Database: ***CA***

Certificate #:	3279-5DDG4X
Application Year:	02
Issue Date:	8/27/02
Approval Type:	Industrial air
Status:	Approved
Application Type:	Amended CofA
Client Name:	City of Ottawa
Client Address:	110 Laurier Avenue West
Client City:	Ottawa
Client Postal Code:	K1P 1J1
Project Description:	Modifications to provide enhanced flow control and flooding protection, including an automated flow control gate with electric actuator, mechanical screening, odour control screening, automated gate for grit control, and an emergency diesel generator.
Contaminants:	
Emission Control:	Act. Charcoal Filter

Site: ***Davidson Heights***

Database:

Lot 17, Concession 1 Nepean ON ***CA***

Certificate #: 0357-4QTHHM
Application Year: 00
Issue Date: 11/6/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Holitzner Homes (1995) Ltd.
Client Address: 1300 Main St., Box 149
Client City: Stittsville
Client Postal Code: K2S 1A2
Project Description: Watermains to be constructed on Holitzner Way and Baroness Drive
Contaminants:
Emission Control:

Site: ***Davidson Heights*** ***Database:***
Lot 17, Concession 1 Nepean ON ***CA***

Certificate #: 5760-4QTHQV
Application Year: 00
Issue Date: 11/6/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Holitzner Homes (1995) Ltd.
Client Address: 1300 Main St., Box 149
Client City: Stittsville
Client Postal Code: K2S 1A2
Project Description: Sanitary sewers to be costructed in the Waterview Subdivision, on Holizner Way and Baroness Drive
Contaminants:
Emission Control:

Site: ***Davidson Heights*** ***Database:***
Lot 17, Concession 1 Nepean ON ***CA***

Certificate #: 6844-4SPJQT
Application Year: 01
Issue Date: 1/8/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Holitzner Homes (1995) Ltd.
Client Address: 1300 Main St., Box 149
Client City: Stittsville
Client Postal Code: K2S 1A2
Project Description: Storm sewers to be constructed on Holitzner Way and Baroness Drive in the City of Nepean.
Contaminants:
Emission Control:

Site: ***JDS FITEL INC.*** ***Database:***
LEIKIN DR., PT.LOTS 17&18, SWM NEPEAN ON ***CA***

Certificate #: 3-0049-98-
Application Year: 98
Issue Date: 4/16/1998
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:

Emission Control:

Site: ***CONSUMERS GAS COMPANY LIMITED***
PT.LOT 18/CONC.1, ST.'B'(SWM)_ NEPEAN CITY ON

Database: ***CA***

Certificate #: 3-1150-95-
Application Year: 95
Issue Date: 9/8/1995
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***JDS Fitel Inc.***
Bldg.C NEPEAN ON

Database: ***EBR***

EBR Registry No: IA8E0293
Ministry Ref No: 8403598 19980226
Notice Type: Instrument Decision
Notice Stage:
Notice Date: April 06, 1998
Proposal Date: March 04, 1998
Year: 1998
Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Off Instrument Name:
Posted By:
Company Name: JDS Fitel Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 570 West Hunt Club Road, Nepean Ontario, K2G 5W8
Comment Period:
URL:

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

Site Location Details:

Bldg.C NEPEAN

Site:
lot 18 ON

Database: ***WWIS***

Well ID: 1526813
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: 116877
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:

Data Entry Status:
Data Src: 1
Date Received: 12/8/1992
Selected Flag: True
Abandonment Rec:
Contractor: 6587
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY (NEPEAN)
Site Info:
Lot: 018
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:

Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10048501
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 19-Aug-1992 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931065250
Layer: 3
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 13.0
Formation End Depth: 17.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931065251
Layer: 4
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 17.0
Formation End Depth: 25.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931065249
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 11

Mat2 Desc: GRAVEL
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 2.0
Formation End Depth: 13.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931065248
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111979
Layer: 1
Plug From: 0
Plug To: 17
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961526813
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10597071
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930084938
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326431
Layer: 1
Slot: 060

Screen Top Depth: 23
Screen End Depth: 26
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 4

Results of Well Yield Testing

Pump Test ID: 991526813
Pump Set At:
Static Level: 15.0
Final Level After Pumping: 20.0
Recommended Pump Depth: 20.0
Pumping Rate: 30.0
Flowing Rate:
Recommended Pump Rate: 8.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934392612
Test Type:
Test Duration: 30
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910316
Test Type:
Test Duration: 60
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934653125
Test Type:
Test Duration: 45
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934108978
Test Type:
Test Duration: 15
Test Level: 20.0
Test Level UOM: ft

Water Details

Water ID: 933486256
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 24.0

Water Found Depth UOM: ft

Site:
lot 17 ON

Database:
WWIS

Well ID:	1525217	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/10/1990
Sec. Water Use:	Cooling And A/C	***Selected Flag:***	True
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3749
Casing Material:		***Form Version:***	1
Audit No:	91530	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	017
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10046958	***Elevation:***	
DP2BR:	68.00	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	26-Oct-1990 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931060481
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	77
Mat2 Desc:	LOOSE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	40.0
Formation End Depth:	61.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931060482
Layer:	3
Color:	2

General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 61.0
Formation End Depth: 68.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931060483
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 68.0
Formation End Depth: 130.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931060480
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 01
Mat2 Desc: FILL
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 40.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111130
Layer: 1
Plug From: 8
Plug To: 26
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525217
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10595528
Casing No: 1

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930082226
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	71
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991525217
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	21.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933484124
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	86.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933484125
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	124.0
Water Found Depth UOM:	ft

Site:
lot 18 ON

Database:
WWIS

Well ID:	1528704	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Not Used	***Date Received:***	8/25/1995
Sec. Water Use:		***Selected Flag:***	True
Final Well Status:	Abandoned-Other	***Abandonment Rec:***	
Water Type:		***Contractor:***	6844
Casing Material:		***Form Version:***	1
Audit No:	154348	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP

Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Site Info:
Lot: 018
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050240
DP2BR:
Spatial Status:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 08-Aug-1995 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Annular Space/Abandonment Sealing Record

Plug ID: 933113638
Layer: 2
Plug From: 5
Plug To: 16
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113637
Layer: 1
Plug From: 0
Plug To: 5
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528704
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 10598810
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087804
Layer: 1

Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 16
Casing Diameter: 24
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326601
Layer: 1
Slot:
Screen Top Depth: 6
Screen End Depth: 16
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 24

Site:
con 1 ON

Database:
WWIS

Well ID: 1528855
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 135092
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 2/21/1996
Selected Flag: True
Abandonment Rec:
Contractor: 6629
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot:
Concession: 01
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050391
DP2BR: 55.00
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 27-Jun-1995 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931071018
Layer: 1

Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Mat2 Desc: SANDY
Mat3: 66
Mat3 Desc: DENSE
Formation Top Depth: 0.0
Formation End Depth: 25.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931071020
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 55.0
Formation End Depth: 94.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931071021
Layer: 4
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 94.0
Formation End Depth: 103.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931071019
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 25.0
Formation End Depth: 55.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528855
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10598961
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930088072
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 58
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991528855
Pump Set At:
Static Level: 30.0
Final Level After Pumping: 65.0
Recommended Pump Depth: 90.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 8.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method:
Pumping Duration HR: 1
Pumping Duration MIN: 15
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934658544
Test Type: Draw Down
Test Duration: 45
Test Level: 65.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105744
Test Type: Draw Down
Test Duration: 15
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934389369
Test Type: Draw Down
Test Duration: 30
Test Level: 65.0

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934907069
Test Type: Draw Down
Test Duration: 60
Test Level: 65.0
Test Level UOM: ft

Water Details

Water ID: 933488725
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 97.0
Water Found Depth UOM: ft

Water Details

Water ID: 933488724
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 85.0
Water Found Depth UOM: ft

Water Details

Water ID: 933488726
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 103.0
Water Found Depth UOM: ft

Site:
con 1 ON

Database: ***WWIS***

Well ID: 1532635
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Abandoned-Quality
Water Type:
Casing Material:
Audit No: 235219
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 1/17/2002
Selected Flag: True
Abandonment Rec:
Contractor: 4006
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot:
Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10523764
DP2BR:
Elevation:
Elevrc:

Spatial Status:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 05-Dec-2001 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

Method Construction ID: 961532635
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 11072334
Casing No: 1
Comment:
Alt Name:

Site:
lot 18 ON

Database: ***WWIS***

Well ID: 1533714
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 257729
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 5/27/2003
Selected Flag: True
Abandonment Rec:
Contractor: 6907
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 018
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10537548
DP2BR:
Spatial Status:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 24-Oct-2002 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Method of Construction & Well Use

Method Construction ID: 961533714
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 11086118
Casing No: 1
Comment:
Alt Name:

Site:
lot 17 ON

Database: ***WWIS***

Well ID: 1525050
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: Cooling And A/C
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 74627
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 10/29/1990
Selected Flag: True
Abandonment Rec:
Contractor: 3749
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 017
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10046792
DP2BR: 72.00
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 24-Aug-1990 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931059904
Layer: 5

Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 72.0
Formation End Depth: 130.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931059901
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 1.0
Formation End Depth: 43.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931059900
Layer: 1
Color: 8
General Color: BLACK
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931059903
Layer: 4
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 62.0
Formation End Depth: 72.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931059902
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 77
Mat2 Desc: LOOSE
Mat3:
Mat3 Desc:
Formation Top Depth: 43.0
Formation End Depth: 62.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111011
Layer: 1
Plug From: 6
Plug To: 30
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525050
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10595362
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930081949
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 74
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991525050
Pump Set At:
Static Level: 24.0
Final Level After Pumping: 60.0
Recommended Pump Depth: 120.0
Pumping Rate: 24.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1

Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934111059
Test Type: Draw Down
Test Duration: 15
Test Level: 34.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934904620
Test Type: Draw Down
Test Duration: 60
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934655826
Test Type: Draw Down
Test Duration: 45
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386466
Test Type: Draw Down
Test Duration: 30
Test Level: 49.0
Test Level UOM: ft

Site:
lot 18 ON

Database: ***WWIS***

Well ID: 1528703
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 154347
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 8/25/1995
Selected Flag: True
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 018
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050239
DP2BR:
Spatial Status:
Code OB: _

Elevation:
Elevrc:
Zone: 18
East83:

Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 08-Aug-1995 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Annular Space/Abandonment Sealing Record

Plug ID: 933113635
Layer: 1
Plug From: 0
Plug To: 4
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113636
Layer: 2
Plug From: 4
Plug To: 10
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528703
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 10598809
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087803
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 10
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326600
Layer: 1
Slot: 100
Screen Top Depth: 5
Screen End Depth: 10
Screen Material:

Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Site:
lot 18 ON

Database:
WWIS

Well ID: 1528702
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 154346
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 8/25/1995
Selected Flag: True
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 018
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050238
DP2BR:
Spatial Status:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 08-Aug-1995 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Annular Space/Abandonment Sealing Record

Plug ID: 933113633
Layer: 1
Plug From: 0
Plug To: 4
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113634
Layer: 2
Plug From: 4
Plug To: 10
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528702
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 10598808
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087802
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 10
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326599
Layer: 1
Slot: 100
Screen Top Depth: 5
Screen End Depth: 10
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Site:
lot 18 ON

Database:
WWIS

Well ID: 1528701
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 154345
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 8/25/1995
Selected Flag: True
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 018
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050237
DP2BR:
Spatial Status:

Elevation:
Elevrc:
Zone: 18

Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 08-Aug-1995 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Annular Space/Abandonment Sealing Record

Plug ID: 933113631
Layer: 1
Plug From: 0
Plug To: 5
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113632
Layer: 2
Plug From: 5
Plug To: 15
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528701
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 10598807
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087801
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 15
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326598
Layer: 1
Slot: 100
Screen Top Depth: 5
Screen End Depth: 15

Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Site:
lot 18 ON

Database:
WWIS

Well ID: 1528700
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 154344
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 8/25/1995
Selected Flag: True
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 018
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050236
DP2BR:
Spatial Status:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 08-Aug-1995 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Annular Space/Abandonment Sealing Record

Plug ID: 933113630
Layer: 2
Plug From: 5
Plug To: 10
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113629
Layer: 1
Plug From: 0
Plug To: 5
Plug Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID: 961528700
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 10598806
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087800
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 10
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326597
Layer: 1
Slot: 100
Screen Top Depth: 5
Screen End Depth: 10
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Site:
con 1 ON

Database: ***WWIS***

Well ID: 1528250
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: 151799
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 10/24/1994
Selected Flag: True
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot:
Concession: 01
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049789
DP2BR:
Elevation:
Elevrc:

Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 11-Oct-1994 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931069086
Layer: 2
Color: 6
General Color: BROWN
Mat1: 08
Most Common Material: FINE SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 5.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931069085
Layer: 1
Color: 6
General Color: BROWN
Mat1: 01
Most Common Material: FILL
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 78
Mat3 Desc: MEDIUM-GRAINED
Formation Top Depth: 0.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113110
Layer: 3
Plug From: 5
Plug To: 10
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113109
Layer: 2
Plug From: 4
Plug To: 5
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113108
Layer: 1
Plug From: 1
Plug To: 4
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528250
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10598359
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087025
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 10
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326510
Layer: 1
Slot: 100
Screen Top Depth: 5
Screen End Depth: 10
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Water Details

Water ID: 933487871
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 7.0
Water Found Depth UOM: ft

Site:
lot 18 ON

Database: ***WWIS***

Well ID: 1528066
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Observation Wells

Data Entry Status:
Data Src: 1
Date Received: 7/28/1994
Selected Flag: True
Abandonment Rec:

Water Type:
Casing Material:
Audit No: 149115
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Contractor: 6844
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 018
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049606
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 23-Jun-1994 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931068463
Layer: 2
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068465
Layer: 4
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3: 74
Mat3 Desc: LAYERED
Formation Top Depth: 4.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931068462
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	00
Most Common Material:	UNKNOWN TYPE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	0.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931068464
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	66
Mat2 Desc:	DENSE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1.0
Formation End Depth:	4.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933112936
Layer:	1
Plug From:	0
Plug To:	2
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933112938
Layer:	3
Plug From:	4
Plug To:	10
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933112937
Layer:	2
Plug From:	2
Plug To:	4
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID: 961528066
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10598176
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086683
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 10
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326486
Layer: 1
Slot: 100
Screen Top Depth: 5
Screen End Depth: 10
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Water Details

Water ID: 933487649
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 7.0
Water Found Depth UOM: ft

Site:
lot 18 ON

Database:
WWIS

Well ID: 1528065
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: 149103
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):

Data Entry Status:
Data Src: 1
Date Received: 7/28/1994
Selected Flag: True
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 018
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:

Flow Rate:
Clear/Cloudy:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049605
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 23-Jun-1994 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931068460
Layer: 4
Color: 6
General Color: BROWN
Mat1: 08
Most Common Material: FINE SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068458
Layer: 2
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068461
Layer: 5
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT

Mat3: 74
Mat3 Desc: LAYERED
Formation Top Depth: 4.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068459
Layer: 3
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 66
Mat2 Desc: DENSE
Mat3:
Mat3 Desc:
Formation Top Depth: 1.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068457
Layer: 1
Color: 8
General Color: BLACK
Mat1: 00
Most Common Material: UNKNOWN TYPE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112934
Layer: 2
Plug From: 2
Plug To: 4
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112935
Layer: 3
Plug From: 4
Plug To: 10
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112933
Layer: 1
Plug From: 0
Plug To: 2
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528065
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10598175
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086682
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 10
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326485
Layer: 1
Slot: 100
Screen Top Depth: 5
Screen End Depth: 10
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Water Details

Water ID: 933487648
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 7.0
Water Found Depth UOM: ft

Site:
lot 18 ON

Database: ***WWIS***

Well ID: 1528064
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: 149102
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:

Data Entry Status:
Data Src: 1
Date Received: 7/28/1994
Selected Flag: True
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 018

Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049604
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 23-Jun-1994 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931068455
Layer: 2
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068456
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3: 74
Mat3 Desc: LAYERED
Formation Top Depth: 1.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068454
Layer: 1
Color: 8

General Color: BLACK
Mat1: 00
Most Common Material: UNKNOWN TYPE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112931
Layer: 2
Plug From: 2
Plug To: 4
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112932
Layer: 3
Plug From: 4
Plug To: 10
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112930
Layer: 1
Plug From: 0
Plug To: 2
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528064
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10598174
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086681
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 10
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID:	933326484
Layer:	1
Slot:	100
Screen Top Depth:	5
Screen End Depth:	10
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2

Water Details

Water ID:	933487647
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	6.0
Water Found Depth UOM:	ft

Site:
lot 18 ON

Database:
WWIS

Well ID:	1528063	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Not Used	***Date Received:***	7/28/1994
Sec. Water Use:		***Selected Flag:***	True
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	6844
Casing Material:		***Form Version:***	1
Audit No:	149101	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	018
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10049603	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	23-Jun-1994 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 931068450
Layer: 2
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068451
Layer: 3
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 66
Mat2 Desc: DENSE
Mat3:
Mat3 Desc:
Formation Top Depth: 1.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068449
Layer: 1
Color: 8
General Color: BLACK
Mat1: 00
Most Common Material: UNKNOWN TYPE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068452
Layer: 4
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 66
Mat2 Desc: DENSE
Mat3:
Mat3 Desc:
Formation Top Depth: 4.0
Formation End Depth: 6.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931068453
Layer: 5
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 6.0
Formation End Depth: 13.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112927
Layer: 1
Plug From: 0
Plug To: 2
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112928
Layer: 2
Plug From: 2
Plug To: 3
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112929
Layer: 3
Plug From: 3
Plug To: 13
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528063
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10598173
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086680
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:

Depth To: 13
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326483
Layer: 1
Slot: 100
Screen Top Depth: 3
Screen End Depth: 13
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Water Details

Water ID: 933487646
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 8.0
Water Found Depth UOM: ft

Site:
lot 18 ON

Database:
WWIS

Well ID: 1528062
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: 149100
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 7/28/1994
Selected Flag: True
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 018
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049602
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 22-Jun-1994 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931068445
Layer: 1
Color: 8
General Color: BLACK
Mat1: 00
Most Common Material: UNKNOWN TYPE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068446
Layer: 2
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068448
Layer: 4
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3: 74
Mat3 Desc: LAYERED
Formation Top Depth: 4.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068447
Layer: 3
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 66
Mat2 Desc: DENSE
Mat3:
Mat3 Desc:
Formation Top Depth: 1.0

Formation End Depth: 4.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112926
Layer: 3
Plug From: 4
Plug To: 10
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112925
Layer: 2
Plug From: 2
Plug To: 4
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112924
Layer: 1
Plug From: 0
Plug To: 2
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528062
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10598172
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086679
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 10
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326482
Layer: 1
Slot: 100
Screen Top Depth: 5
Screen End Depth: 10

Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Water Details

Water ID: 933487645
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 6.0
Water Found Depth UOM: ft

Site:
lot 18 ON

Database: ***WWIS***

Well ID: 1528061
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: 149091
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 7/28/1994
Selected Flag: True
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 018
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049601
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 22-Jun-1994 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931068444
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 74
Mat2 Desc: LAYERED

Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 5.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068442
Layer: 1
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Mat2 Desc: SAND
Mat3: 77
Mat3 Desc: LOOSE
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068443
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 77
Mat2 Desc: LOOSE
Mat3:
Mat3 Desc:
Formation Top Depth: 1.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112922
Layer: 2
Plug From: 3
Plug To: 4
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112923
Layer: 3
Plug From: 4
Plug To: 15
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112921
Layer: 1
Plug From: 3
Plug To: 3
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528061
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10598171
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086678
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 15
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326481
Layer: 1
Slot: 100
Screen Top Depth: 5
Screen End Depth: 15
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Water Details

Water ID: 933487644
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 10.0
Water Found Depth UOM: ft

Site:
lot 18 ON

Database: ***WWIS***

Well ID: 1528060
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: 149098
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:

Data Entry Status:
Data Src: 1
Date Received: 7/28/1994
Selected Flag: True
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 018

Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10049600	***Elevation:***	
DP2BR:	0.00	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	v	***East83:***	
Code OB Desc:	Overburden below Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	22-Jun-1994 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931068440
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	77
Mat2 Desc:	LOOSE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1.0
Formation End Depth:	5.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931068441
Layer:	4
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	74
Mat2 Desc:	LAYERED
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	5.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931068439
Layer:	2
Color:	2

General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068438
Layer: 1
Color: 8
General Color: BLACK
Mat1: 16
Most Common Material: DOLOMITE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112918
Layer: 1
Plug From: 3
Plug To: 3
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112919
Layer: 2
Plug From: 3
Plug To: 4
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112920
Layer: 3
Plug From: 4
Plug To: 10
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528060
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 10598170
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086677
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 10
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326480
Layer: 1
Slot: 010
Screen Top Depth: 5
Screen End Depth: 10
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Water Details

Water ID: 933487643
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 7.0
Water Found Depth UOM: ft

Site:
con 1 ON

Database: ***WWIS***

Well ID: 1534064
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 248010
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 9/9/2003
Selected Flag: True
Abandonment Rec:
Contractor: 1119
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot:
Concession: 01
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10543179
DP2BR:
Elevation:
Elevrc:

Spatial Status:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 12-Aug-2003 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

Method Construction ID: 961534064
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 11091749
Casing No: 1
Comment:
Alt Name:

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ***Note:*** *Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory: Provincial AAGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Sep 2020

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-Sep 30, 2021

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2019

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Chemical Manufacturers and Distributors: Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-Sep 30, 2021

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 2012 -Aug 2021

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Jul 2021

Certificates of Property Use: Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994 - Sep 30, 2021

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks: Provincial DTNK

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: May 31, 2021

Environmental Activity and Sector Registry: Provincial EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011- Sep 30, 2021

Environmental Registry: Provincial EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994- Sep 30, 2021

Environmental Compliance Approval: Provincial ECA

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011- Aug 31, 2021

Environmental Effects Monitoring: Federal EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Jun 30, 2021

Environmental Issues Inventory System: Federal EIIS

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2020

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2020

Federal Convictions: Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Aug 2021

Fisheries & Oceans Fuel Tanks: Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FRST

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Fuel Storage Tank - Historic: Provincial FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Apr 30, 2021

Greenhouse Gas Emissions from Large Facilities: Federal GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Dec 2020

National Analysis of Trends in Emergencies System (NATES): Federal NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2019

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Feb 28, 2021

Ontario Oil and Gas Wells: Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Jan 2021

Inventory of PCB Storage Sites: Provincial OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

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

Orders: Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994-Sep 30, 2021

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: Oct 2011- Aug 31, 2021

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Private and Retail Fuel Storage Tanks: Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Sep 30, 2021

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-1990, 1992-2018

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Sep 2021

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Sep 30, 2021

Scott's Manufacturing Directory: Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Aug 2020

Wastewater Discharger Registration Database: Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2018

Anderson's Storage Tanks: Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970 - Dec 2020

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.
Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011- Aug 31, 2021

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Apr 30, 2021

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

Appendix E

Aerial Photographs

Aerial Photograph	wsp	N	Date: February 2021	Scale: Not to Scale	Project No.:
2021			Drawn by: KH	Approved by: KDH	OESAO2132

Aerial Photograph	wsp	N	Date: February 2021	Scale: Not to Scale	Project No.:
2019			Drawn by: KH	Approved by: KDH	OESAO2132

Aerial Photograph	wsp	N	Date: February 2021	Scale: Not to Scale	Project No.:
2017			Drawn by: KH	Approved by: KDH	OESAO2132

Aerial Photograph	wsp	N	Date: February 2021	Scale: Not to Scale	Project No.:
2014			Drawn by: KH	Approved by: KDH	OESAO2132

Aerial Photograph	wsp	N	Date: February 2021	Scale: Not to Scale	Project No.:
2011			Drawn by: KH	Approved by: KDH	OESAO2132

Aerial Photograph	wsp	N	Date: February 2021	Scale: Not to Scale	Project No.:
2008			Drawn by: KH	Approved by: KDH	OESAO2132

Aerial Photograph	wsp	N	Date: February 2021	Scale: Not to Scale	Project No.:
2005			Drawn by: KH	Approved by: KDH	OESAO2132

Aerial Photograph	wsp	N	Date: February 2021	Scale: Not to Scale	Project No.:
2002			Drawn by: KH	Approved by: KDH	OESAO2132

Aerial Photograph	wsp	N	Date: February 2021	Scale: Not to Scale	Project No.:
1999			Drawn by: KH	Approved by: KDH	OESAO2132

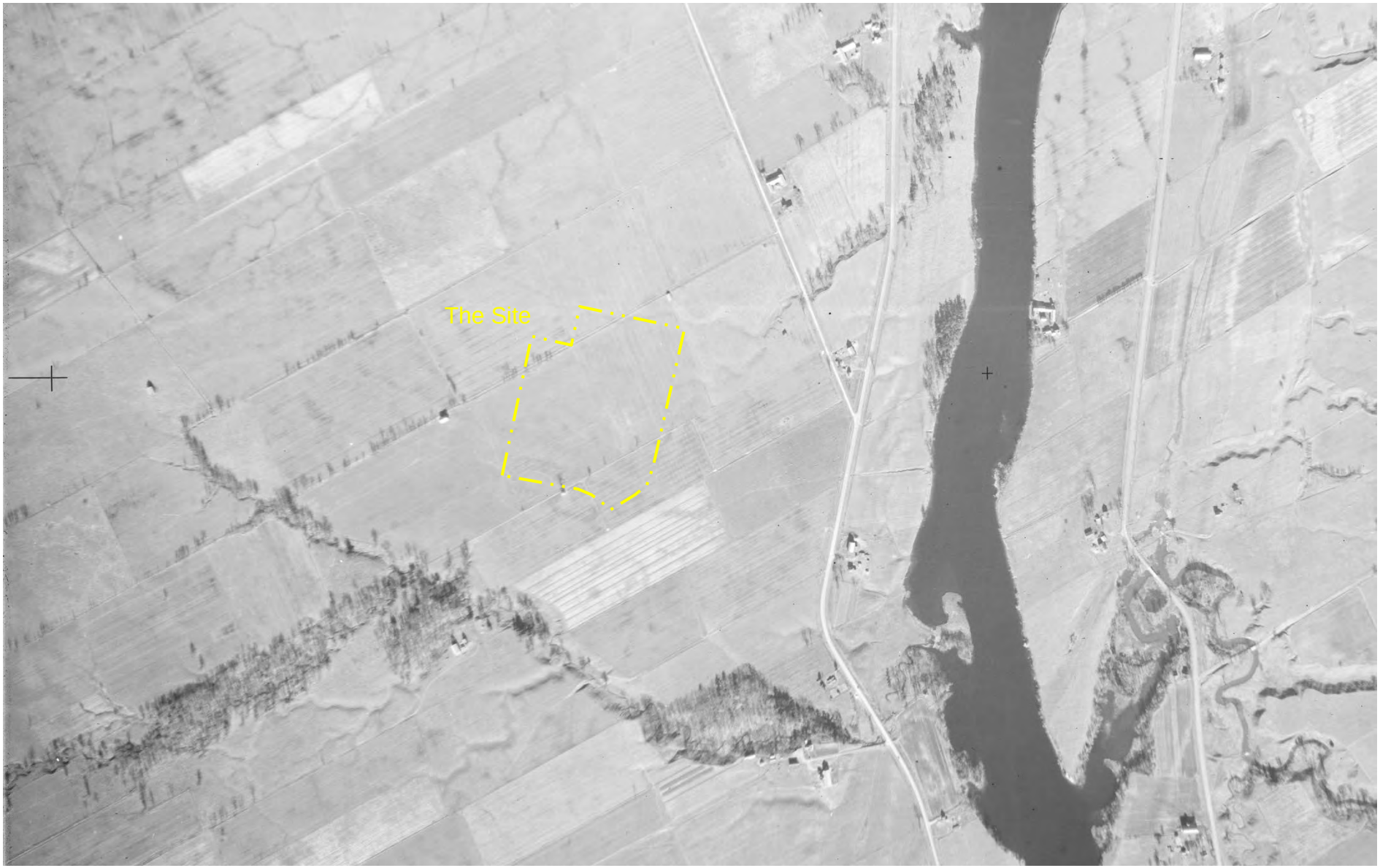
Aerial Photograph	wsp	N	Date: February 2021	Scale: Not to Scale	Project No.:
1991			Drawn by: KH	Approved by: KDH	OESAO2132

Aerial Photograph	wsp	N	Date: February 2021	Scale: Not to Scale	Project No.:
1976			Drawn by: KH	Approved by: KDH	OESAO2132

Aerial Photograph	wsp	N	Date: February 2021	Scale: Not to Scale	Project No.:
1965			Drawn by: KH	Approved by: KDH	OESAO2132

Aerial Photograph	wsp	N	Date: February 2023	Scale: Not to Scale	Project No.:
1956			Drawn by: LB	Approved by: KDH	OESAO2132

Aerial Photograph	wsp	N	Date: February 2023	Scale: Not to Scale	Project No.:
1950			Drawn by: LB	Approved by: KDH	OESAO2132



Aerial Photograph	wsp	N	Date: February 2023	Scale: Not to Scale	Project No.:
1945			Drawn by: LB	Approved by: KDH	OESAO2132

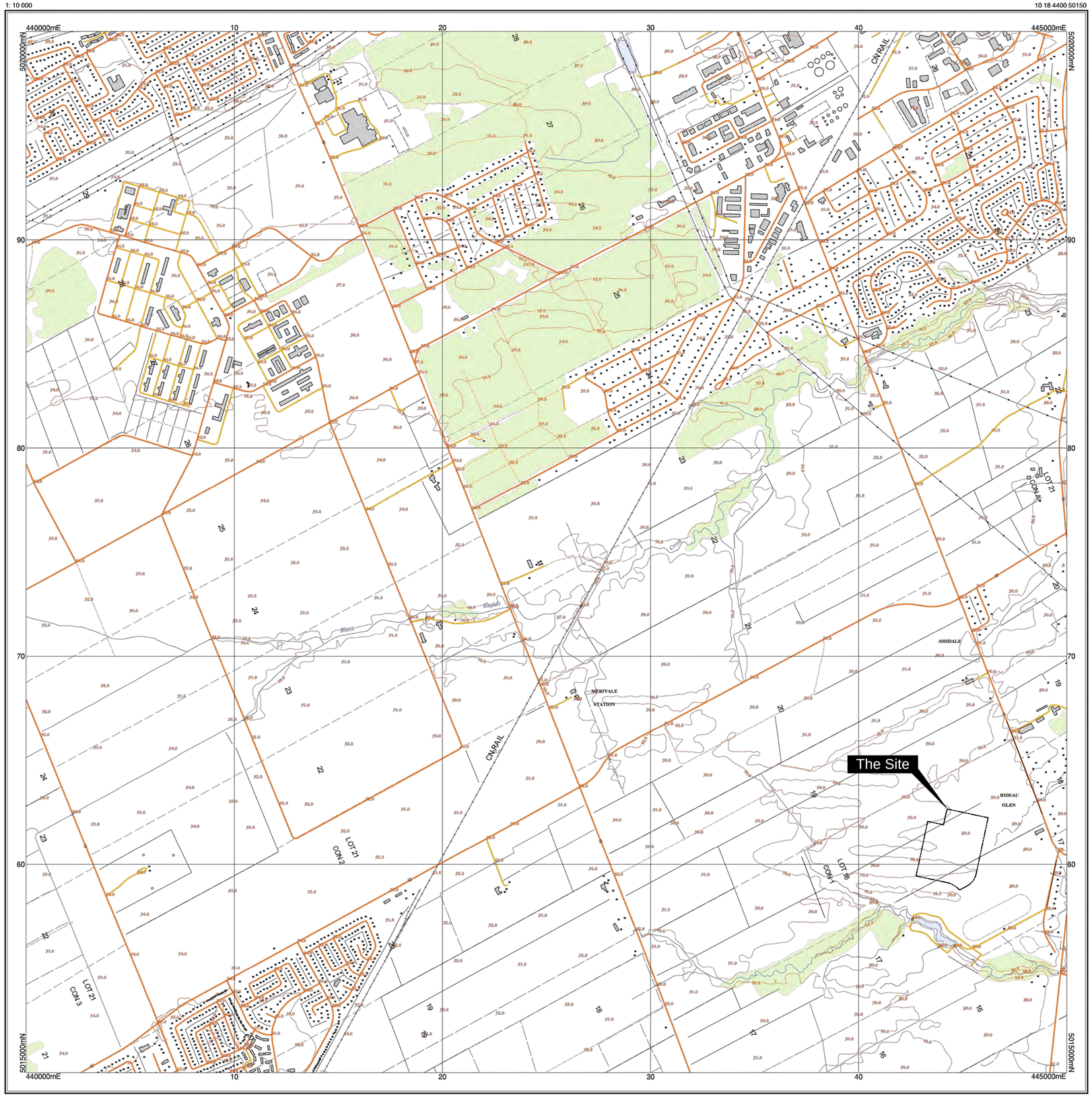
Aerial Photograph	wsp	N	Date: February 2023	Scale: Not to Scale	Project No.:
1936			Drawn by: LB	Approved by: KDH	OESAO2132

Appendix F

Topographic Map

1: 10 000

10 18 4400 50150



Area of Vegetation.
Zone de végétation.

Area of Marsh.
Zone marécageuse.

Lake, Reservoir, Double Line River.
Lac, réservoir, rivière à double voie.

Trails/Racetrack Centre Line.
Axe - sentiers, piste de course.

Access Road.
Chemin d'accès.

Road Edge/Racetrack Edge.
Bordure de route, de piste.

Road Edge Under Construction.
Bordure de route en construction.

Road Centre Line.
Axe de route.

Road Centre Line Under Construction.
Axe de route en construction.

Feature Outline/Parking Lot.
Contour de l'accident géographique -Stationnement.

Aerial Cableway.
Téléphérique.

Airstrip.
Piste d'atterrissage.

Rail Line.
Chemin de fer à voie unique.

Boundary Provincial/National Park.
Limite du parc provincial, national.

Surveyed Line.
Ligne arpentée.

Township Lot.
Lot cantonal.

Turntable Railway.
Chemin de fer : plaque tournante.

Pit.
Fosse.

Pile.
Pile.

River/Stream Single Line.
Rivière, cours d'eau à voie unique.

River/Stream Approximate.
Rivière, cours d'eau - tracé approximatif.

Bridge Road/Rail.
Pont (route, chemin de fer).

Tunnel Road/Rail.
Tunnel (route, chemin de fer).

Beaver Dam.
Barrage de castor.

Dike.
Digue.

Dam to Scale.
Barrage à l'échelle.

Rapids/Falls on Double Line River.
Rapides, chutes de rivière à double voie.

Lock.
Écluse.

Flow Arrow.
Direction du courant.

Rock.
Rocher.

Rapids/Falls on Single Line River.
Rapides, chutes de rivière à voie unique.

Building to Scale.
Édifice à l'échelle.

Fence/Wall.
Clôture, mur.

Pipeline.
Pipeline.

Transmission Line.
Ligne de transport d'énergie.

Hedge.
Haie.

Building.
Édifice.

Milepost.
Borne kilométrique.

Horizontal Control Point.
Point géodésique.

Smoke Stack.
Cheminée industrielle.

Electrical Substation.
Sous-station électrique.

Mine Headframe.
Chevalement.

Tank Water/Petroleum.
Réservoir d'eau, de pétrole.

Tower.
Tour.

Land Contours.
Courbe d'élévation.

Land Contour Approximate.
Courbe d'élévation approximative.

Land Contour Auxiliary.
Courbe d'élévation auxiliaire.

Land Contour Depression.
Courbe de cuvette.

Ministry of Natural Resources
Ontario

Ministère des Richesses naturelles

Sheet Coupure

10 18 4400 50150

NOTES

North American datum 1983.

Universal Transverse Mercator (6°) projection.
Zone 18. Central Meridian 75° W.

Grid interval 1000 metres.

Scale 1:10 000 Échelle

Metres 500 0 500 1000 Mètres

Contour interval 5 Metres Équidistance des courbes 5 Mètres

Map base by Natural Resources
Information Branch
Air Photography 1988
Published 2002

DIGITAL MAPPING CARTOGRAPHIE NUMÉRIQUE

NOTES

Système de référence géodésique nord-américain de 1983.

Projection transverse universelle de Mercator (6°).
Zone 18. Méridien Central 75° O.

Intervalle de quadrillage 1000 mètres.

Carte de base préparée par la Direction de l'information sur les ressources naturelles.
Photographie aérienne 1988
Publiée en 2002

ADJOINING SHEETS

TABLEAU D'ASSEMBLAGE

	10 18 4400 50200	
10 18 4350 50150	10 18 4400 50150	10 18 4450 50150
	10 18 4400 50100	

N

Appendix G

Photographs

Photo 1:
Northern Site boundary.
Date: 12/11/21
Direction: West

Photo 2:
The Site and adjacent property to the west viewed from the northeast corner of the Site.
Date: 12/11/21
Direction: Southwest

Photo 3:
Property adjacent to northern Site boundary.
Date: 12/11/21
Direction: North

Photo 4:
The Site and surrounding property east of the Site.
Date: 12/11/21
Direction: East

Photo 5:

Waste concrete and rebar on northwestern portion of the Site.

Date: 12/11/21

Direction: North

Photo 6:

Waste concrete/rebar and wood near the end of the roadway on the western portion of Site.

Date: 12/11/21

Direction: South

Photo 7:

Wood waste near the end of the roadway on the western portion of Site.

Date:
12/11/21

Direction:
Southeast

Photo 8:

Waste asphalt near the end of the roadway on the western portion of Site.

Date:
12/11/21

Direction:
N/A

Photo 9:
Western Site boundary.
Date: 12/11/21
Direction: North

Photo 10:
Southern Site boundary.
Date: 12/11/21
Direction: East

Photo 11:
Access roadway on western portion of Site.
Date: 12/11/21
Direction: North

Photo 12:
Surrounding property south of the Site.
Date: 12/11/21
Direction: Southwest

Photo 13:
Transformer on southeast corner of Site.
Date: 12/11/21
Direction: East

Photo 14:
Unknown concrete “ring” on the southeast corner of Site.
Date: 12/11/21
Direction: N/A

Photo 15:

Waste concrete near the southeast corner of Site.

Date:
12/11/21

Direction:
Northeast

Photo 16:

Eastern Site boundary and transformer.

Date:
12/11/21

Direction:
North

Photo 17:
Upper Room distribution centres to the southwest of the Site
Date: 12/11/21
Direction: South

Photo 18:
Enbridge and Canada Post facilities to the southwest of the Site
Date: 12/11/21
Direction: Southwest

Photo 19:
Clarke-Bellinger storm water management facility to the south of the Site
Date: 12/11/21
Direction: South

Photo 20:
Royal Canadian Mounter Police National Headquarters to the east of the Site
Date: 12/11/21
Direction: Southeast

Appendix H

Qualifications of the Assessor

Qualifications of the Assessor

Kaitlin J. Hunt, B.Sc.(Hon.)
Junior Environmental Scientist

Ms. Hunt is a Junior Environmental Scientist with an honours degree in Environmental Science from the University of Ottawa, specializing in Geochemistry and Ecotoxicology. Ms. Hunt has 4 years of experience on a wide range of environmental projects including: Phase I, II and III Environmental Site Assessments, surface water and groundwater compliance monitoring, research sampling for tailings pond reclamation, and wildlife studies conducted in the Fort McMurray oil sands region. Ms. Hunt's experience has involved working closely with commercial and industrial clients under strict timelines, as well as liaising with municipal, provincial and federal governments. Overall duties have involved field operations, site investigations and remediation, report writing, data analysis, records review, historical research, project supervision and project coordination/management.

Kevin D. Hicks, M.Sc., P.Geo., QP_{ESA}
Principal Hydrogeologist

Mr. Hicks is a Principal Hydrogeologist and Senior Project Manager in Amec Foster Wheeler's Ottawa office. Kevin has over 30 years experience on a wide range of environmental and municipal projects including: environmental site assessment and remediation; waste management; landfill investigations and monitoring; hydrogeological investigations; risk assessment and risk management; stormwater management; and subwatershed studies. Mr. Hicks is responsible for senior review and Quality Assurance of environmental projects undertaken by the Ottawa office as well as senior technical support for the design, implementation and management of environmental investigations, site remediation projects, Brownfield clean-up and redevelopment, hydrogeological investigations, risk assessments and risk management. Typical project assignments include planning and feasibility studies, design and cost estimating, groundwater and contaminant transport modeling, client, regulatory and public liaison, project management and co-ordination. Kevin has participated in over 500 Phase I ESAs undertaken on behalf of a variety of clients including commercial and industrial manufacturers, realtors and property managers, municipal, provincial and federal governments, petroleum marketers and distributors, and financial institutions. Kevin is a recognized Qualified Person (QP) under Ontario Regulation 153/04 – Records of Site Condition.

Appendix I

Limitations

LIMITATIONS

1. The work performed in the preparation of this report and the conclusions presented are subject to the following:
    a. The Standard Terms and Conditions which form a part of our Professional Services Contract;
    b. The Scope of Services;
    c. Time and Budgetary limitations as described in our Contract; and
    d. The Limitations stated herein.
2. No other warranties or representations, either expressed or implied, are made as to the professional services provided under the terms of our Contract, or the conclusions presented.
3. The conclusions presented in this report were based, in part, on visual observations of the Site and attendant structures. Our conclusions cannot and are not extended to include those portions of the Site or structures, which are not reasonably available, in WSP's opinion, for direct observation.
4. The environmental conditions at the Site were assessed, within the limitations set out above, having due regard for applicable environmental regulations as of the date of the inspection. A review of compliance by past owners or occupants of the Site with any applicable local, provincial or federal bylaws, orders-in-council, legislative enactments and regulations was not performed.
5. The Site history research included obtaining information from third parties and employees or agents of the owner. No attempt has been made to verify the accuracy of any information provided, unless specifically noted in our report.
6. Where testing was performed, it was carried out in accordance with the terms of our contract providing for testing. Other substances, or different quantities of substances testing for, may be present on-site and may be revealed by different or other testing not provided for in our contract.
7. Because of the limitations referred to above, different environmental conditions from those stated in our report may exist. Should such different conditions be encountered, WSP must be notified in order that it may determine if modifications to the conclusions in the report are necessary.
8. The utilization of WSP's services during the implementation of any remedial measures will allow WSP to observe compliance with the conclusions and recommendations contained in the report. WSP's involvement will also allow for changes to be made as necessary to suit field conditions as they are encountered.
9. This report is for the sole use of the party to whom it is addressed unless expressly stated otherwise in the report or contract. Any use which any third party makes of the report, in whole or the part, or any reliance thereon or decisions made based on any information or conclusions in the report is the sole responsibility of such third party. WSP accepts no responsibility whatsoever for damages or loss of any nature or kind suffered by any such third party as a result of actions taken or not taken or decisions made in reliance on the report or anything set out therein.
10. This report is not to be given over to any third party for any purpose whatsoever without the written permission of WSP.
11. Provided that the report is still reliable, and less than 12 months old, WSP will issue a third-party reliance letter to parties that the client identifies in writing, upon payment of the then current fee for such letters. All third parties relying on WSP's report, by such reliance agree to be bound by our proposal and WSP's standard reliance letter. WSP's standard reliance letter indicates that in no event shall WSP be liable for any damages, howsoever arising, relating to third-party reliance on WSP's report. No reliance by any party is permitted without such agreement.