REVISED1

Phase One Environmental Site Assessment

North Part of 541 Somme Street
Ottawa, Ontario

Prepared for:

Tres Comas Ltd.
777 Quest Boulevard
Ile-des-Chenes, MB R0A 0T1

August 30, 2024

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1.0 EXECUTIVE SUMMARY

Pinchin Ltd. (Pinchin) was retained by Tres Comas Ltd. (Client) to complete a Phase One Environmental Site Assessment (Phase One ESA) for the property located on the North Part of 541 Somme Street in Ottawa, Ontario (hereafter referred to as the Site or Phase One Property). The Phase One Property is approximately 1.98 acres in size and exists as vacant land with thick vegetation cover consisting of grasses and shrubs.

Pinchin conducted this Phase One ESA in accordance with Part VII and Schedule D of the Province of Ontario's *Environmental Protection Act R.S.O. 1990, c. E.19* and *Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act*, and last amended by Ontario Regulation 362/23 on January 1, 2024 (O. Reg. 153/04). The purpose of the Phase One ESA was to assess the potential presence of environmental impacts at the Phase One Property due to activities at and near the Phase One Property.

This Phase One ESA was conducted at the request of the Client to support a Site Plan Control Application (SPCA) to the City of Ottawa as a conditional requirement for the future development of the Phase One Property. It is Pinchin's understanding that the Phase One Property will be developed from its current vacant industrial/commercial land use to industrial/commercial land use. Given that this does not constitute a change to a more sensitive land use, a Record of Site Condition (RSC) for the Phase One Property is not required at this time, as per the Ontario Ministry of the Environment, Conservation and Parks (MECP) O. Reg. 153/04.

The scope of work for this Phase One ESA was consistent with O. Reg. 153/04 in support of a SPCA and was comprised of the following:

- A Records Review: Reviewed available current and historical information sources pertaining to the Phase One Property and the surrounding properties within the Phase One Study Area including the use of, but not limited to, aerial photographs, city directories, a Fire Insurance Plan, historical environmental assessments relevant to the Phase One Property and a regulatory database search. Regulatory agencies were also contacted to identify if any records of environmental non-compliance or other information associated with the environmental condition of the Phase One Property exists, including searches of Provincial (MECP) and municipal records and Technical Standards and Safety Authority (TSSA) records.
- Interviews: Conducted interviews with a Site Representative (see Section 5.0) to determine if any current or historical operations have caused a concern with respect to the environmental condition of the Phase One Property and the surrounding properties within the Phase One Study Area.

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- Site Reconnaissance: Completed a visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area (from publicly-accessible areas) including any associated buildings and/or facilities for the purpose of identifying the presence of potentially contaminating activities (PCAs).
- Evaluation: Evaluated the information gathered from the records review, interviews and Site reconnaissance.
- Reporting: Prepared a Phase One ESA report.
- Submission: Submitted the Phase One ESA report to the Client.

The Site is vacant and undeveloped, free of any permanent structures and/or buildings with the legal description of the most north-western part of PIN 04326-0670, legally described as part BLOCK 2 PLAN 4M1388, save and except parts 1,2,3 & 4 4R32280. Subject to an easement over parts 34, 35, 36, 37 AND 38 4R23865 as in OC1253757; subject to an easement in gross over parts 34, 35, 36, 37 AND 38 4R23865 as in OC1253753; together with an easement over PART BLOCK 7 PLAN 4M1388, PART 5 4R25123 AS IN OC1277606; together with an easement over PART BLOCK 7 PLAN 4M1388, PARTS 6 AND 7 4R25123 AS IN OC1277598; together with an easement over PART BLOCK 7 PLAN 4M1388, PART 4 4R25123 AS IN OC1277614; City of Ottawa. It should be noted that the Phase One Property is considered the north part of the larger tract of land with the municipal address, 541 Somme Street in the City of Ottawa.

Based on the findings of a previous report and records review, in addition to the aerial photographs, the Phase One Property, although never formally developed, is believed to have been used for handling fill material. Therefore, it is Pinchin's opinion that the Phase One Property was initially used for commercial-to-light industrial purposes as fill storage Site in 2011.

Based on the findings of this Phase One ESA, Pinchin identified one potentially contaminating activity (PCA) at the Phase One Property (i.e., on-Site). One PCA was identified within the Phase One Study Area outside of the Phase One Property (i.e., off-Site). The off-Site PCA is not considered to result in an area of potential environmental concern (APEC) at the Phase One Property, based on the nature of the activity and potential contaminants related to the activity and/or their downgradient or transgradient location with respect to the inferred groundwater flow direction within the Phase One Study Area. Therefore, it is Pinchin's opinion that the off-Site PCA identified on properties within the Phase One does not represent an APEC at the Phase One Property.

It is Pinchin's opinion that the on-Site PCA may have caused contamination of soil at the Phase One Property. As such, the on-Site PCA represents an APEC, which warrants further investigation in support of a SPCA and to meet the general requirements of the O.Reg. 153/04.

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The contaminants of potential concern (COPCs) associated with the APEC were determined based on several sources of information including, but not limited to, Pinchin's experience with environmental contamination and hazardous substances, common industry standards for analysis of such contaminants and point sources, literature reviews of COPCs and associated hazardous substances, and evaluations of contaminant mobility and susceptibility for migration in the subsurface.

A Phase Two ESA, defined as an "assessment of property conducted in accordance with the regulations by or under the supervision of a qualified person to determine the location and concentration of one or more contaminants in the land or water on, in or under the property", be conducted at the Phase One Property. Pinchin concludes that one or more contaminants originating from one PCA located at the Phase One Property may have affected land or water on, in, or under the Phase One Property. Therefore, in support of a SPCA, Pinchin recommends that a Phase Two ESA be conducted at the Phase One Property.

This Executive Summary is subject to the same standard limitations as contained in the report and must be read in conjunction with the entire report.

This report has been issued without having received responses from the Ontario MECP regarding Pinchin's Freedom of Information request or the Technical Standards & Safety Authority. Once responses from these regulatory bodies are received, the information will be incorporated into a revised version of this report. Our conclusions and recommendations may be amended based on this information.

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2.0 INTRODUCTION

A Phase One ESA is defined as a systematic qualitative process to determine whether a particular property is or may be subject to, actual or potential contamination. Under the Province of Ontario's *Environmental Protection Act R.S.O. 1990, c. E.19* (EPA) and *Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act*, and last amended by Ontario Regulation 362/23 on January 1, 2024 (O. Reg. 153/04), the purpose of a Phase One ESA is two-fold:

- To obtain and review records that relate to the Phase One Property regarding the current and past uses of and/or activities on the Phase One Property, in order to determine if areas of potential environmental concern (APECs) exist on the Phase One Property; and
- To obtain and review records that relate to properties within the Phase One Study Area, other than the Phase One Property, in order to determine if potentially contaminating activities (PCAs) exist and interpret whether any such PCAs result in APECs on the Phase One Property.

This Phase One ESA was conducted at the request of the Client as a condition for the future development of the Phase One Property. It is Pinchin's understanding that the vacant industrial/commercial land use of the Phase One Property will be developed for industrial/commercial land use. Given that this does not constitute a change to a more sensitive land use, the filing of a Record of Site Condition (RSC) for the Phase One Property with the Ontario Ministry of the Environment, Conservation and Parks (MECP) is not required at this time.

A Phase One ESA does not include sampling or testing of environmental media or building materials. The study period for this assessment was from May 2024 to July 2024, which included the records review, Site reconnaissance, interviews and reporting.

2.1 Phase One Property Information

As indicated on Figure 1 (Key Map), Appendix B, the Site is located immediately on the east side of Somme Street, approximately 615 metres (m) northeast of Sappers Ridge, in Ottawa, Ontario. The Site is situated in an area that predominantly consists of vacant land uses. Figure 2, Appendix B, illustrates the Site and surrounding area.

Photographs of the Phase One Property and surrounding properties are presented in Appendix C - Photographs.

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Pertinent details of the Phase One Property are provided in the following table:

Detail	Source / Reference	Information
Legal Description	Legal Survey Drawing provided by the Client, Service Ontario Parcel Register	The most north-western part of PIN 04326-0670, legally described as part BLOCK 2 PLAN 4M1388, save and except parts 1,2,3 & 4 4R32280.
Municipal Address	Client	541 Somme St. Ottawa, ON K1G 3N4
Parcel Identification Number (PIN)	Client	04326-0670 (LT)
Current Owner	Client	Titan Environmental Containment c/o Tres Comas Ltd.
Owner Contact Information	Client	Derek Bishop, c/o Tres Comas Ltd. 777 Quest Boulevard Ile-des-Chenes, MB R0A 0T1
Current Occupants	Client	Unoccupied, vacant land
Client	Authorization to Proceed Form for Pinchin Proposal	Titan Environmental Containment c/o Tres Comas Ltd.
Client Contact Information	Authorization to Proceed Form for Pinchin Proposal	Derek Bishop, c/o Tres Comas Ltd. 777 Quest Boulevard Ile-des-Chenes, MB R0A 0T1
Site Area	Client	0.80 hectares (1.98 acres)
Current Zoning	GeoOttawa https://maps.ottawa.ca/geoottawa/	RH Zoning – Rural Heavy Industrial Zone
Centroid UTM Co-ordinates	Google Earth	457230 Easting
		5017040 Northing
		Zone 18T

3.0 SCOPE OF INVESTIGATION

Pinchin conducted this Phase One ESA in accordance with O. Reg. 153/04, in particular Part VII and Schedule D of O. Reg. 153/04. The Phase One ESA scope of work consisted of the following:

- A Records Review: Pinchin reviewed available current and historical information sources pertaining to the Phase One Property and surrounding properties within the Phase One Study Area, including the use of, but not limited to, aerial photographs, city directories, a Fire Insurance Plan (FIP), a Property Underwriters' Report (PUR), previous environmental reports completed for the Phase One Property, available Site operating records and a regulatory database search. Regulatory agencies were also contacted to

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identify if any records of environmental non-compliance or other information associated with the environmental condition of the Phase One Property exist, including the MECP's Freedom of Information (FOI) and Protection of Privacy Office, the Technical Standards and Safety Authority (TSSA) and the City of Ottawa's Historical Land Use Inventory (HLUI) database.

- Interviews: Pinchin conducted interviews with a Site Representative (see Section 5.0) to determine if any current or historical operations have caused a concern with respect to the environmental condition of the Phase One Property and the surrounding properties within the Phase One Study Area.
- Site Reconnaissance: Pinchin completed a visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area (from publicly accessible areas) including any associated buildings and/or facilities for the purpose of identifying the presence of significant environmental concerns.
- Evaluation: Pinchin evaluated the information gathered from the records review, interviews and Site reconnaissance.
- Reporting: Pinchin prepared a Phase One ESA report summarizing the findings of this assessment.
- Submission: Pinchin submitted the Phase One ESA report to the Client.

4.0 RECORDS REVIEW

4.1 General

Each on-Site PCA is associated with an APEC on the Phase One Property. Each off-Site PCA was characterized as to whether it resulted in an APEC on the Phase One Property. In making this determination, the proximity, location relative to the inferred groundwater flow direction, nature of operations and potential contaminants were considered. In general, PCAs that were relatively close and/or situated on properties upgradient relative to the inferred groundwater beneath the Site were considered PCAs resulting in APECs on the Phase One Property. Conversely, PCAs that were distant from the Phase One Property and/or were at properties downgradient or transgradient relative to the inferred groundwater beneath the Site were not considered to result in APECs on the Phase One Property. The type of operations and potential contaminants associated with the PCAs were also evaluated. Factors such as whether the PCA had a high probability of contamination (e.g., dry cleaners, retail fuel outlets (RFOs), automotive service garages, etc.) and the subsurface mobility of the potential contaminants were considered during the evaluation.

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The identified on-Site and off-Site PCAs are summarized in Table 1, Appendix A and their locations are shown on Figure 4 – Potentially Contaminating Activities (on-Site) and Figure 5 - Potentially Contaminating Activities (off-Site). APECs at the Phase One Property are illustrated on Figure 6 – Areas of Potential Environmental Concern.

4.1.1 Phase One Study Area Determination

Based on a review of the available historical information and observations made during the Site reconnaissance for the properties greater than 250 meters (m), but less than 1 kilometre (km), from the Phase One Property boundary, Pinchin did not note or observe any significant potentially contaminating properties that should be included as part of this assessment (e.g., landfills, large industrial manufacturers, etc.). As such, the Phase One Study Area consisted of the Phase One Property, as well as all properties situated wholly, or partly, within 250 m from the nearest point of a boundary of the Phase One Property, in order to meet the minimum requirements, set forth in the O. Reg. 153/04.

4.1.2 First Developed Use Determination

The first developed land use of the Phase One Property is defined by the O. Reg. 153/04 to be the earlier of:

- The first use of a Phase One Property in or after 1875 that resulted in the development of a building or structure on the property; and
- The first potentially contaminating use or activity on the Phase One Property.

Based on Pinchin's review of previous reports in combination with the aerial photographs, the Phase One Property is believed to have been first used to store or handle fill material in circa 2011. Therefore, it is Pinchin's opinion that the first developed use of the Phase One Property was for industrial-to-light commercial purposes in 2011.

No other information was reviewed by Pinchin during the records review, or obtained during the Site reconnaissance or interviews which would have resulted in a different interpretation of the date of first developed use of the Phase One Property.

4.1.3 Local and Municipal Government

Inquiries were made to the City of Ottawa to conduct a search within their Historical Land Use Inventory (HLUI) database for information regarding the Phase One Property and properties within the Phase One Study Area. The HLUI provides historical information regarding the type and location of land uses (or activities) for properties within the City of Ottawa that may result in PCAs, including historical ASTs and USTs that were registered, dating back to the 1950s, former landfills, environmental infractions, and Environmental Risk Management Areas (ERMAs). Search results from the HLUI database from the City

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of Ottawa had not been received at the time of issuance of this Phase One ESA. An addendum to the Phase One ESA report will be prepared upon receipt of the search results.

A copy of the HLUI Application submission is provided in Appendix D.

4.1.4 Fire Insurance Plans

Pinchin contacted Opta Information Intelligence (Opta) to obtain copies of Fire Insurance Plans (FIPs) related to the Phase One Property and other properties within the Phase One Study Area. Opta responded that no FIPs were available for the Phase One Property.

The Opta response and a copy of the FIP are provided in Appendix E.

4.1.5 Historical Environmental Reports

The following previous environmental report for the Phase One Property were reviewed by Pinchin:

- Report entitled *"Phase II Environmental Site Assessment, 5213 Hawthorne Road, Part 4, Ottawa, Ontario",*" prepared by Paterson Group for R. W. Tomlinson Limited and, dated January 9, 2020 (2020 Paterson Phase II ESA Report).

<u>2020 Paterson Phase II ESA Report</u>

Paterson completed a Phase II ESA in January 2020 for Part 4 of 5123 Hawthorne Road in the City of Ottawa, Ontario in order to assess the quality of the fill material that had been placed on the adjacent south-southwest properties and on-Site (i.e., collectively now referred to as 631, 581, 561 and 541 Somme Street) in light of the proposed development of the property.

The field work consisted of placing four boreholes (BH1 to BH4) on the entire property, which included a borehole (BH4) on the Phase One Property. The boreholes were placed to obtain a general coverage of the area to address environmental concerns relating to the potential former use of the property for fill disposal/storage. Based on the borehole log at the Phase One Property, the general soil profile consisted of fill material (crushed stone), underlain by dolostone and sandstone bedrock. Bedrock was encountered at 0.6 mbgs and terminated in this unit at a depth of approximately 4.72 mbgs.

Five soil samples were collected and analyzed for petroleum hydrocarbons (PHCs) fraction F2 to F4 (F2 to F4), polycyclic aromatic hydrocarbons (PAHs), metals, electrical conductivity, SAR and pH.

BH1 and BH4 were instrumented with monitoring wells. Two groundwater samples were collected and analysed for PHCs (F1-F4), PAHs, volatile organic compounds (VOCs), sodium and chloride.

Criteria used were full depth *Table 2 Standards* (coarse-grained soil, industrial land use, potable groundwater environment) of the Ministry of the Environment, Conservation and Parks (MECP) document

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entitled "*Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act*" dated April 15, 2011 (*MECP Table 2 Standards*).

The soil sample collected from the BH4 on the Phase One Property satisfied the *MECP Table 2 Standards*. The parameters concentrations in the groundwater sample collected from BH4 respected the 2011 *MECP Table 2 Standards*; with exception of chloroform, which was noted at that time to be 8 µg/L vs. 2.4 µg/L of *Table 2 Standards*. Paterson noted that the chloroform concentrations are considered to be a result of the use of municipal water used during bedrock coring and expected to dissipate in the over time.

4.2 Environmental Source Information

Pinchin reviewed the historical use of the Phase One Study Area through the use of publicly available archives and databases, as well as through requesting information from regulatory agencies. The following provides a summary of the information obtained from these sources.

4.2.1 Environmental Database Search – ERIS

Pinchin retained Environmental Risk Information Services (ERIS) to search all available federal, provincial, and private source databases for information pertaining to the Phase One Study Area.

Unless otherwise noted, information obtained from the ERIS database search was reviewed for the entire Phase One Study Area. A copy of the ERIS report is provided in Appendix F and the results of the database search are described in the following sections.

4.2.1.1 National Pollutant Release Inventory

ERIS completed a search of the federal databases for information regarding the National Pollutant Release Inventory (NPRI). This database contains comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances and identifies information such as the approximate location, type and quantity of contaminant, date of release, and media impacted.

Pinchin reviewed the ERIS report for NPRI information and found no records regarding the Phase One Study Area.

4.2.1.2 Ontario Inventory of PCB Storage Sites

The MECP's Waste Management Branch maintains an inventory of PCB storage sites within Ontario. Ontario Regulation 11/82 and Ontario Regulation 347 (O. Reg. 347), made under the EPA, require the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the MECP. This

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database contains information on waste quantities, major and minor sites storing liquid or solid waste, and a waste storage inventory.

The ERIS search of the Ontario Inventory of PCB Storage Sites found no information regarding the Phase One Study Area.

4.2.1.3 National PCB Inventory

Environment Canada maintains an inventory of in-use PCB-containing equipment at federal, provincial and private facilities in Canada, and of out-of-service PCB-containing equipment and PCB waste owned by the federal government or federally regulated industries.

The ERIS search of the National PCB Storage Sites found no information regarding the Phase One Study Area.

4.2.1.4 Certificates of Approval

ERIS completed a search of the MECP database for information regarding Certificates of Approval (COAs). The MECP maintains a database of approved COAs for Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. Prior to November 1, 2011, the MECP mandated that any facility that released emissions to the atmosphere, discharged contaminants to ground or surface water, provided potable water supplies, or stored, transported or disposed of waste, must have a COA before it could operate lawfully. The MECP no longer issues COAs, which were replaced by Environmental Compliance Approvals (ECAs) as of November 1, 2011. O. Reg. 153/04 indicates that information from the COA database only needs to be obtained for the Phase One Property and properties adjacent to the Phase One Property.

The ERIS search of the COAs found no information regarding the Phase One Property or for properties adjacent to the Phase One Property.

4.2.1.5 Environmental Compliance Approvals, Permits To Take Water and Certificates of Property Use

ERIS completed a search of the MECP database for information regarding ECAs, permits including Permits To Take Water (PTTWs) and Certificates of Property Use (CPUs). The O. Reg. 153/04 indicates that information from these databases only needs to be obtained for the Phase One Property and properties adjacent to the Phase One Property. Details regarding these databases are provided in the ERIS report in Appendix F.

The ERIS database search identified no information regarding ECAs, PTTWs or CPUs for the Phase One Property and properties adjacent to the Phase One Property.

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4.2.1.6 Inventory of Coal Gasification Plants

ERIS searched the following publications prepared for the MECP by Intera Technologies Inc. for information on industrial sites that formerly operated as coal gasification plants, and industrial sites that produced or used coal tar and other related tars:

- "*Inventory of Coal Gasification Plant Waste Sites in Ontario*", dated April 1987; and
- "*Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario*", dated November 1988.

The ERIS search yielded no records of former coal gasification plants or the production or use of coal tar and related tars within the Phase One Study Area.

4.2.1.7 Environmental Incidents, Orders, Offences and Spills

ERIS completed a search of the various provincial and federal databases for information regarding environmental incidents, orders, offences and spills. The O. Reg. 153/04 indicates that information from these databases only needs to be obtained for the Phase One Property and properties adjacent to the Phase One Property. Details regarding the searched databases are provided in the ERIS report in Appendix F.

The ERIS database search revealed no records of environmental incidents, orders, offences or spills for the Phase One Property and properties adjacent to the Phase One Property.

4.2.1.8 Waste Management Records

ERIS completed a search of the O. Reg. 347 Waste Generators database for information regarding waste generation. O. Reg. 347 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, and electric power distribution. The ERIS search of the O. Reg. 347 Waste Generators database found no information regarding the Waste Generator Database Review Area.

4.2.1.9 Fuel Storage Tanks

ERIS completed a search of various private, provincial and federal databases for information regarding chemical storage tanks, as well as private and retail fuel storage tanks. Details regarding the searched databases are provided in the ERIS report in Appendix F.

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The ERIS search of the chemical and fuel storage tank databases found no information regarding the Phase One Study Area.

4.2.1.10 Notices and Instruments

ERIS completed a search of the provincial Environmental Registry for records pertaining to proposals, decisions, and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. ERIS also searched the Environmental Registry database for filed Record of Site Condition (RSCs). No RSCs were identified for the Phase One Property or properties within the Phase One Study Area.

4.2.1.11 Areas of Natural Significance

ERIS reviewed available databases and records to assess whether any parks, wetlands, conservation areas, or other areas of natural significance, are located within the Phase One Study Area. The Area of Natural & Scientific Interest (ANSI) map is included in the ERIS report in Appendix F. In addition, Pinchin reviewed information provided on the Ministry of Natural Resources and Forestry's (MNRF) Natural Heritage Information Centre (NHIC) website. No ANSIs were identified within the Phase One Study Area from these information sources.

4.2.1.12 Landfill Information

ERIS reviewed available private and provincial databases for records of any current or inactive landfills and waste disposal sites within the Phase One Study Area. Details regarding the searched databases are provided in the ERIS report in Appendix F.

The ERIS search of the landfill and waste disposal sites databases found no information regarding the Phase One Study Area.

4.2.2 Ministry of the Environment, Conservation and Parks Freedom of Information Search

A Freedom of Information (FOI) request was submitted to the MECP for information on file with respect to the Phase One Property. Specifically, the MECP was asked what information it has regarding historical spills, orders, investigations/prosecutions, waste generator numbers/classes, Certificates-of-Approval and Environmental Compliance Approvals.

A response letter pertaining to the FOI request from the MECP received on June 13, 2024. Based on a thorough search through the ministry files, no records were located responsive to Pinchin's FOI request. A copy of the MECP FOI response letter is provided in Appendix G.

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4.2.3 Technical Standards and Safety Authority Search

The Technical Standards and Safety Authority (TSSA) governs the safe handling and storage of fuel in Ontario. All storage of gasoline, diesel, and fuel oil is subject to the Technical Standards and Safety Act. The Technical Standards and Safety Act and its relevant documents and regulations (e.g., *Liquid Fuels Handling Code*, *Ontario Regulation 213/01 – Fuel Oil*, *Ontario Regulation 217/01 – Liquid Fuels*) require that all fuel storage devices such as ASTs and USTs be registered with the TSSA.

Pinchin contacted the TSSA on July 22, 2024 to search for records of fuel storage tanks that are, or were, registered on the Phase One Property and to determine whether any records of regulatory non-compliance exist. The response from the TSSA was that there are no fuel records in their database for the Phase One Property. A copy of Pinchin's request and the TSSA response is provided in Appendix H of this report.

4.2.4 City Directories

City directories for the years 2005 and 2011 were reviewed by Pinchin at the Library and Archives of Canada in Ottawa, Ontario. It should be noted that no city directories were available for the City of Ottawa subsequent to 2011. The Phase One Property and properties within the Phase One Study Area were not listed in the City of Ottawa directories reviewed by Pinchin.

4.3 Physical Setting Sources

4.3.1 Aerial Photographs

Pinchin reviewed aerial photographs of the Phase One Property and surrounding properties within the Phase One Study Area to assess the potential for historical PCAs. Digital aerial photographs dated 1958, 1965, 1976, 1991, 2002, 2011, and 2022 were reviewed on the City of Ottawa e-map website (https://maps.ottawa.ca/geoOttawa/) by Pinchin. The 1976 aerial photograph was the earliest available aerial photograph of the Phase One Study Area.

Efforts were made by Pinchin to obtain aerial photographs that:

- Illustrated the period between the initial development of the Phase One Property to the present.
- Identified buildings and structures present on the Phase One Property since initial development.
- Identified PCAs within the Phase One Study Area.
- Identified APECs on the Phase One Property.

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A summary of information obtained with respect to the Phase One Property from a review of the available aerial photography is provided in the following table:

Year of Photograph	Phase One Property	Phase One Study Area
1976-2005	The Phase One Property consists of vacant undeveloped and forested land.	The Phase One Study Area consists of vacant, undeveloped and forested land to the north, south, and west. Agricultural land is present on the east of the Study Area and beyond.
2005-2008	The Phase One Property consists of vacant undeveloped and forested land.	Industrial operations and fill material/ grading become present towards the west of the Study Area. The east of the Study Area remains agricultural. The north and south of the Study Area remain forested and undeveloped.
2008	The Phase One Property becomes deforested in the 2008 aerial photograph.	No changes to the Study Area from the 2008 aerial photograph.
2011	An access drive-way becomes constructed to the Phase One Property and some small fill material piles are present towards the northwest of the Phase One Property.	Somme Street becomes constructed sometime between 2008 and 2012, directly west of the Phase One Property, into its current configuration. No other significant changes to the Study Area from the 2008 aerial photograph.
2012	The Phase One Property becomes covered with fill material piles and deposits. No other significant changes to the Phase One Property from the 2011 aerial photograph.	The property directly south of the Phase One Property becomes developed with a dirt road. Several fill piles and dumpsters are present. An unnamed dirt road becomes developed north of the Phase One Property, and more fill material and industrial activities are visible. No other significant changes to the Study Area from the 2011 aerial photograph.
2013	A private access road along the northern property boundary of the Phase One Property is present at this time. No other significant changes to the Phase One Property from the 2011 aerial photograph.	No other significant changes to the Study Area from the 2012 aerial photograph.
2016	Stockpiles of fill are apparent on the northern portion of the Phase One Property. No significant other changes to the Phase One Property from the 2013 aerial photograph.	Several fill piles are present in the north of the Study Area, directly north of the Phase One Study Area.

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Year of Photograph	Phase One Property	Phase One Study Area
2021	The Phase One Property is absent of the former stockpiles and appears to have been regraded.	No other significant changes to the Study Area from the 2012 aerial photograph

Based on Pinchin's review of the aerial photographs for the Phase One Property, fill material of unknown quality was imported on Site in 2011 and 2016. The neighbouring west property across Somme Street appeared as an active fill and/or aggregate storage site.

The review of aerial photographs identified the following PCA on the Phase One Property:

- PCA 30. Importation of fill material of unknown quality.

One off-Site PCA was identified in the aerial photographs on the neighbouring north, west and south properties:

- PCA 30. Importation of fill material of unknown quality.

Based on the distances between these properties and the Phase One Property, it is Pinchin's opinion that the off-Site PCA does not represent an APEC at the Phase One Property. The PCAs are summarized in Table 1 – Potentially Contaminating Activities, Appendix A.

4.3.2 Topography, Hydrology and Geology

The elevation of the Phase One Property, based on information obtained from the Ontario Base Map series, is approximately 88 m above sea level (masl). The general topography in the local and surrounding area is generally flat and the Phase One Property is at a similar elevation to the adjacent/surrounding properties. A ditch is present on the western boundary of the Phase One Property that flows northwest adjacent to Somme Street.

A review of the available physiographical data indicates that the Phase One Property and the surrounding properties located within the Phase One Study Area are located within the Russell and Prescott sand plains with shallow bedrock and little to no overburden (Paleozoic bedrock).

Bedrock is mapped as consisting of dolostone and sandstone of the Beekmantown Group.

Based on general topography and the nearest body of water, the inferred groundwater direction is northeasterly towards the Findlay Creek Municipal Drain which eventually drains into a tributary of the Castor River. The closest water body is the Castor River located approximately 7 kilometers (km) southeast of the Phase One Property at an elevation of approximately 74 masl. Based on the findings of the 2020 Paterson Phase II ESA report, shallow groundwater flow trends towards the northeast.

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4.3.3 Fill Material

Information from historical satellite aerial imagery and previous investigations completed at the Phase One Property indicate thaw the surrounding properties were used as a disposal site for road construction materials from As At that time, the Phase One Property (northern part of 541 Somme Street) existed as an undeveloped vacant lot.

4.3.4 Water Bodies, Areas of Natural Significance and Groundwater Information

The Findlay Creek Municipal Drain is located approximately 160 m north of the Site, which flows east and discharges into a tributary of the Castor River, located approximately 1.90 kilometres (km) southeast of the Site.

A review of the Area of Natural & Scientific Interest map and information provided on the Ministry of Natural Resources and Forestry (MNRF)'s Natural Heritage Information Center (NHIC) website did not identify any provincial parks, wetlands, conservation areas, or other areas of natural significance, within the Phase One Study Area.

4.3.5 Well Records

A review of the Water Well Information System database by ERIS returned no well records for the Phase One Property.

A search for Well Records registered within the MECP water well database was also conducted for all drilled wells within the Phase One Property and properties within the Phase One Study Area. The search returned two well records within the Phase One Study Area, which include one domestic well for commercial/industrial use and one monitoring well with no well info available, none of which were identified at the Phase One Property.

Based on Pinchin's review of the on-Site borehole log (BH4) from the 2020 Paterson Phase II ESA, the general soil profile at the Phase One Property reportedly consisted of fill material (crushed stone), underlain by dolostone and sandstone bedrock. Bedrock was encountered at 0.61 mbgs and terminated in this unit at a depth of approximately 4.72 mbgs. Groundwater beneath the Phase One Property was encountered at a depth of approximately 1.26 mbgs.

4.3.6 Enhanced Investigation Property

The O. Reg. 153/04 defines an "Enhanced Investigation Property" as a property that is being used or has been used, in whole or in part, in the following manner:

- For industrial use; or

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- For any of the following commercial uses:
  - As a garage;
  - As a bulk liquid dispensing facility, including a gasoline outlet; or
  - For the operation of dry cleaning equipment.

Since the Phase One Property has always been vacant and undeveloped, it is not considered an Enhanced Investigation Property as defined by O. Reg. 153/04.

5.0 INTERVIEWS

Pinchin interviewed an individual knowledgeable of the Phase One Property and its history to obtain and/or confirm information regarding the environmental condition of the Phase One Property. The following individual provided information regarding the history of the Phase One Property and the surrounding properties within the Phase One Study Area to the best of their knowledge:

Person Interviewed	Relationship to Phase One Property	Date and Place of Interview	Interview Method
Connor Murray	Branch Manager of Titan Environmental Containment	May 30, 2024	In-person during the Site reconnaissance.

Connor Murray was chosen to be interviewed given that they are most familiar with the recent operational history of the Phase One Property. This individual is hereafter referred to as the “Site Representative” and assisted the Pinchin representative (Mr. Alex Kelly) following the Site reconnaissance via email correspondence.

Pinchin compared the information obtained from the interview with information obtained from the historical records. The information provided by the interviewee was corroborated by the available records and the 2020 Paterson Phase II ESA report. As such, Pinchin has no concerns regarding the validity of the information provided by the individual interviewed for the Phase One ESA.

With respect to PCAs and APECs, no new information was obtained from the interviews.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A visual assessment of the Phase One Property and properties within the Phase One Study Area was conducted for the purpose of identifying the presence of possible PCAs and associated APECs.

Pinchin (see Appendix IV for assessor qualifications) conducted a Site reconnaissance on May 30, 2024, and was accompanied by the Site Representative. The Site reconnaissance included a walk-through of

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accessible areas of the exterior areas. At the time of the Site reconnaissance, the ground surface was dry, and the weather was sunny. The Site reconnaissance was documented with notes and photographs. The results of the Site reconnaissance are discussed below.

Photographs taken during the Site reconnaissance that illustrate the Phase One Property and Phase One Study Area are provided in Appendix C.

6.2 Specific Observations at Phase One Property

6.2.1 Description of Buildings and Structures

No building structures were present on the Phase One Property at the time of the Site reconnaissance.

6.2.2 Description of Below-Ground Structures

There were no below-ground structures present on the Phase One Property at the time of the Site reconnaissance.

6.2.3 Description of Tanks

No storage tanks were observed on-Site, and none were reported by the Site Representative.

6.2.4 Potable and Non-Potable Water Sources

No potable groundwater was present on the Phase One Property at the time of the Site reconnaissance; however, the Phase One Property and properties within the Phase One Study Area rely upon potable groundwater.

6.2.5 Description and Location of Underground Utilities

No underground utilities were noted at the time of the Site reconnaissance.

6.2.6 Details of Heating System

The Phase One Property is presently undeveloped vacant land and as such, no heating systems are present on-Site.

6.2.7 Details of Cooling System

The Phase One Property is presently undeveloped vacant land and as such, no cooling systems are present on-Site.

6.2.8 Details of Drains, Pits and Sumps

No drains, pits or sumps were observed at the Phase One Property. A ditch is present along the eastern boundary of the Site.

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6.2.9 Unidentified Substances within Buildings and Structures

During the Site reconnaissance, Pinchin did not observe any unidentified substances or storage containers holding unidentified substances at the Phase One Property.

6.2.10 Details of Staining and Corrosion

No evidence of staining or corrosion was identified on the Phase One Property during the Site reconnaissance.

6.2.11 Details of On-Site Wells

No groundwater domestic supply wells or monitoring wells were observed on the Phase One Property during the Site reconnaissance.

6.2.12 Details of Sewage Works

No sewage works or evidence of sewage disposal was observed on the Phase One Property during the Site reconnaissance.

6.2.13 Details of Ground Cover

The majority of the ground surface of the Phase One Property was covered in thick vegetation consisting of grasses and sedges on gravelly sandy fill material.

6.2.14 Details of Current or Former Railways

No current or former railway infrastructure was observed on the Phase One Property during the Site reconnaissance.

6.2.15 Areas of Stained Soil, Vegetation and Pavement

No ground staining or vegetation staining was observed on the Phase One Property during the Site reconnaissance.

6.2.16 Areas of Stressed Vegetation

During the Site reconnaissance, Pinchin did not observe any areas of stressed vegetation on the Phase One Property.

6.2.17 Areas of Fill and Debris Materials

During the Site reconnaissance, Pinchin observed surficial fill material across the Phase One Property.

6.2.18 Potentially Contaminating Activities

A PCA is defined by O. Reg. 153/04 as a “use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a Phase One Study Area” including the Phase One Property.

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As per Column A of Table 2, Schedule D, the presence of imported fill material of unknown quality (Item #30) was identified as an on-Site PCA that represents an APEC on the Phase One Property.

The PCA Item #30 that was identified during the historical records review was confirmed at the Phase One Property during the Site reconnaissance. Details regarding this PCA (e.g., location, potential contaminants of concern, and rationale for inclusion) are provided in Table 2, and in the preceding sections of this report.

6.2.19 Unidentified Substances Outside Buildings and Structures

During the Site reconnaissance, Pinchin did not observe any unidentified substances or storage containers holding unidentified substances on the exterior of the Phase One Property.

6.2.20 Surrounding Land Uses

During the Site reconnaissance, Pinchin conducted a visual assessment of publicly-accessible portions of the Phase One Study Area for the presence of off-Site PCAs. The properties within the Phase One Study Area have various land uses, including commercial, light industrial and vacant. Land use types within the Phase One Study Area are presented on Figure 3 – Phase One Study Area.

The following table summarizes the land use on adjacent properties at the time of the Site reconnaissance:

Direction Relative to Phase One Property	Location Relative to Inferred Groundwater Flow Direction	Description of Property Use	Property Use	Potential Contribution to PCA and/or APEC
North	Transgradient	Vacant undeveloped land to beyond 150 m from the Site	Vacant	Land uses are not considered to represent PCAs.
East	Upgradient	Vacant undeveloped land to beyond 150 m from the Site	Vacant, followed by agricultural	Land uses are not considered to represent PCAs.
South	Transgradient	Vacant undeveloped land to beyond 150 m from the Site	Vacant	Land uses are not considered to represent PCAs.
West	Downgradient	Somme Street followed by vacant undeveloped land beyond 150 m from the Site.	Somme Street, followed by vacant land	Land uses are not considered to represent PCAs.

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No off-Site PCAs were identified at the time of the Site reconnaissance within the rest of the Phase One Study Area.

6.3 Written Description of Investigation

The Phase One ESA completed by Pinchin included investigations of the Phase One Property and the Phase One Study Area outside of the Phase One Property pursuant to Sections 13 and 14 of Schedule D of O. Reg.153/04. The main objective of these investigations was to identify PCAs at the Phase One Property or within the Phase One Study Area outside of the Phase One Property that could have resulted in APECs at the Phase One Property.

6.3.1 Phase One Property

The investigation of the Phase One Property consisted of the following components:

- Review of available historical records, including previous environmental reports, ERIS regulatory search, information obtained through MECP FOI and TSSA requests, aerial photographs and an HLUI.
- A Site reconnaissance was completed on May 30, 2024, by Alex Kelly of Pinchin that included an assessment of the Phase One Property.
- Interviews with individuals knowledgeable of the history and operations at the Phase One Property.
- Review of mapping provided by ERIS and information provided on-line by the MNRF for the presence of areas of natural significance.

Pinchin's investigation of the Phase One Property identified one on-Site PCA. The description and location of this PCA is provided in Table 1. As per O. Reg. 153/04. The identified on-Site PCA on the Phase One Property represent one APEC that will require investigation through the completion of a Phase Two ESA.

No areas of natural significance were identified at the Phase One Property.

Pinchin's investigation did not identify the presence of wells at the Phase One Property that currently supply water for human consumption or for agricultural purposes.

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6.3.2 Phase One Study Area Outside of Phase One Property

The investigation of the Phase One Study Area outside of the Phase One Property consisted of the following components:

- Review of available historical records, previous environmental reports, ERIS regulatory search, and aerial photographs.
- Visual inspection of properties from publicly-accessible areas for evidence of PCAs and water bodies.
- Review of mapping provided by ERIS and information provided on-line by the MNRF for the presence of areas of natural significance.

A total of one additional PCA was identified within the Phase One Study Area outside of the Phase One Property. This off-Site PCA is not considered to represent an APEC at the Phase One Property given the nature of the activity and potential contaminants related to this activity and/or the downgradient or transgradient orientations relative to the inferred groundwater flow direction in the Phase One Study Area. and/or the nature of operations and potential contaminants related to these operations. The description and respective locations of this PCA is provided in Table 1.

No areas of natural significance were identified within the Phase One Study Area outside of the Phase One Property.

The records review did not identify the presence of wells within the Phase One Study Area that supply water for human consumption or for agricultural purposes.

Based on a cursory review of the properties greater than 250 m (i.e., outside of the Phase One Study Area), but less than 1 km, from the Phase One Study Area, Pinchin did not note or observe any significant contaminating properties that should be included as part of this assessment (i.e., landfills, large industrial manufacturers, etc.).

A Plan identifying the location of the off-Site PCA for this Phase One ESA is provided on Figure 5 – Off-Site Potentially Contaminating Activities.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

Based on Pinchin's review of the previous report, in combination with historical aerial photographs, the Phase One Property, although never formally developed (i.e., undeveloped vacant land), is believed to have been first used for storing/handling fill material. Therefore, it is Pinchin's opinion that the Phase One Property was initially used for commercial-to-light industrial purposes as fill storage Site in 2011.

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No other information was reviewed by Pinchin during the records review, or obtained during the Site reconnaissance or interviews which would have resulted in a different interpretation of the date of first land use of the Phase One Property.

7.2 Potentially Contaminating Activities

The descriptions and locations of all PCAs, as defined by O. Reg. 153/04, that were identified by Pinchin on the Phase One Property and properties within the Phase One Study Area are summarized in Table 1. The following presents a summary of these PCAs:

- A total of one PCA was documented to have occurred at the Phase One Property. This on-Site PCA represents an APEC on the Phase One Property; and
- A total of one PCA was documented to have occurred within the Phase One Study Area outside of the Phase One Property. Based on the nature of the activity and potential contaminants related to this activity and/or their downgradient or transgradient location with respect to the inferred groundwater flow direction at the Phase One Property, it is Pinchin's opinion that the off-Site PCA identified on these properties do not represent an APEC at the Phase One Property.

7.3 Areas of Potential Environmental Concern

A total of one APEC at the Phase One Property was identified throughout this Phase One ESA. The APEC identified during the Phase One ESA, as well as its respective PCA, COPCs, and the media which could potentially be impacted, is summarized in Table 2, Appendix A.

The rationale used by the qualified person (QP) in assessing the available information to determine whether PCAs exist or have existed within the Phase One Study Area, including the Phase One Property, that represent APECs at the Phase One Property has been provided in the preceding report sections. In general, the potential for environmental impacts to the Phase One Property was evaluated using a combined probability for a source to contaminate, and the ability of contaminants to migrate on, or to the Phase One Property. For example, a gasoline UST located on the Phase One Property, or on a property in close proximity and/or upgradient of the Phase One Property, would exhibit a high potential for contamination (and is therefore considered a PCA resulting in an APEC at the Phase One Property) since gasoline is highly mobile in the subsurface. In contrast, shallow soil/fill with metals impacts located on a property adjacent to the Phase One Property would be considered to have a low potential for contamination given that metals generally have low mobility in the subsurface (and would not be considered a PCA resulting in an APEC at the Phase One Property). Furthermore, non-adjacent properties with PCAs located downgradient or transgradient of the Phase One Property generally do not

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result in APECs at the Phase One Property. Groundwater is the media through which contaminants typically migrate from property to property, and if the source of the contaminant is downgradient or transgradient of the Phase One Property, contaminated groundwater from this source cannot migrate to the Phase One Property and the downgradient or transgradient PCA would not be considered to result in an APEC at the Phase One Property.

The COPCs listed in Table 2 are APEC-specific and were determined based on several sources of information, including but not limited to, Pinchin's experience with environmental contamination and hazardous substances, common industry standards for analysis of such contaminants, and point sources, literature reviews of COPCs and associated hazardous substances, and an evaluation by Pinchin of the mobility and susceptibility for migration of the COPCs in the subsurface.

The evaluation of the presence/absence of APECs at the Phase One Property was based upon the analysis of available documents, records and drawings, and personal interviews. In evaluating the Phase One Property and Phase One Study Area, Pinchin has relied in good faith on information provided by other individuals or sources as noted in this report. Pinchin has assumed that the information provided is factual and accurate and has no reason to believe that any of the information provided in the available documentation or obtained through interviews is not factual or inaccurate.

7.4 Phase One Conceptual Site Model

A conceptual site model (CSM) has been created to summarize the findings of the Phase One ESA. The Phase One CSM is summarized in Figures 1 through Figure 4, which illustrate the following features within the Phase One Study Area, where present:

- Existing buildings and structures.
- Water bodies located in whole or in part within the Phase One Study Area.
- Areas of natural significance located in whole or in part within the Phase One Study Area.
- Groundwater monitoring wells located at the Phase One Property.
- Land use of adjacent properties.
- Roads within the Phase One Study Area.
- PCA and APEC on the Phase One Property.
- PCA within the Phase One Study Area.

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The following provides a narrative summary of the Phase One CSM:

- The Site is vacant and undeveloped, free of any permanent structures and/or buildings with the legal description of the most north-western part of PIN 04326-0670, legally described as part BLOCK 2 PLAN 4M1388, save and except parts 1,2,3 & 4 4R32280. Subject to an easement over parts 34, 35, 36, 37 AND 38 4R23865 as in OC1253757; subject to an easement in gross over parts 34, 35, 36, 37 AND 38 4R23865 as in OC1253753; together with an easement over PART BLOCK 7 PLAN 4M1388, PART 5 4R25123 AS IN OC1277606; together with an easement over PART BLOCK 7 PLAN 4M1388, PARTS 6 AND 7 4R25123 AS IN OC1277598; together with an easement over PART BLOCK 7 PLAN 4M1388, PART 4 4R25123 AS IN OC1277614; City of Ottawa. It should be noted that the Phase One Property is considered the north part of the larger tract of land with the municipal address, 541 Somme Street in the City of Ottawa.
- The Findlay Creek Municipal Drain is located approximately 160 m north of the Site, which flows east and discharges into a tributary of the Castor River, located approximately 1.90 kilometres (km) southeast of the Site;
- No areas of natural significance were identified within the Phase One Study Area;
- No drinking water wells were located on the Phase One Property;
- The elevation of the Phase One Property, based on information obtained from the Ontario Base Map series, is approximately 88 m above sea level (masl). The general topography in the local and surrounding area is generally flat and the Phase One Property is at a similar elevation to the adjacent/surrounding properties. A ditch is present on the western boundary of the Phase One Property that flows northwest adjacent to Somme Street.
- A review of the available physiographical data indicates that the Phase One Property and the surrounding properties located within the Phase One Study Area are located within the Russell and Prescott sand plains with shallow bedrock and little to no overburden (Paleozoic bedrock). Bedrock is mapped as consisting of dolostone and sandstone of the Beekmantown Group.
- The properties in the Phase One Study Area have various land uses, including commercial, light industrial and vacant. Land use types within the Phase One Study Area are presented on Figure 3 – Phase One Study Area.

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- A total of two PCAs were identified within the Phase One Study Area, consisting of one PCA on the Phase One Property and one off-Site PCA within the Phase One Study Area. As shown on Figure 4 – On-Site Potentially Contaminating Activities, the on-Site PCA resulted in an APEC, while the off-Site PCA was not considered to generate an APEC on the Phase One Property, as shown in Figure 5 – Off-Site Potentially Contaminating Activities;
- Groundwater flow beneath the Phase One Property and properties within a 250 m search radius, is considered to flow in a northeasterly direction towards the Findlay Creek Municipal Drain and into the Castor River. Any off-Site PCAs inferred to be upgradient or transgradient with respect to the Site are not considered to represent APECs on the Phase One Property. Figure 6 – Areas of Potential Environmental Concern provides a detailed summary of the APEC and associated PCA and COPCs;

There were no deviations from the Phase One ESA requirements specified in O. Reg. 153/04 or absence of information that have resulted in uncertainty that would affect the validity of the Phase One CSM.

8.0 CONCLUSIONS

Pinchin conducted this Phase One ESA in accordance with Part VII and Schedule D of O. Reg. 153/04. The purpose of the Phase One ESA was to assess the potential presence of environmental impacts at the Phase One Property due to activities at and near the Phase One Property, in general accordance with O. Reg. 153/04.

Based on the findings of this Phase One ESA, Pinchin identified one PCA at the Phase One Property (i.e., on-Site) and one off-Site PCA on properties within the Phase One Study Area. The identified off-Site PCA was not considered to represent an APEC on the Phase One Property, based on the nature of the activity and potential contaminants related to the activity and/or their downgradient or transgradient location with respect to the inferred groundwater flow direction at the Phase One Property.

The on-Site PCA may have impacted soil quality on the Phase One Property. As such, this PCA is considered to result in an APEC at the Phase One Property, which warrants further investigation in support of a SPCA and to meet the requirements of O.Reg. 153/04.

Pinchin recommends that a Phase Two ESA be conducted on the Phase One Property as an “assessment of property conducted in accordance with the regulations by or under the supervision of a QP to determine the location and concentration of one or more contaminants in the land or water on, in or under the property”. Pinchin concludes that one or more contaminants originating from one PCA located at the Phase One Property may have affected land or water on, in, or under the Phase One Property.

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Therefore, Pinchin recommends that a Phase Two ESA be conducted in support of a Site Plan Control Application for the Phase One Property.

It should be noted that the references and sources for the information used in evaluating the Phase One Property are provided in the relevant sections of this report. Specific references are also summarized in Section 9.0.

8.1 Signatures

This Phase One ESA was undertaken under the supervision of Mandy Witteman, M.A.Sc., P.Eng., QP_{ESA} in accordance with the general requirements of the O. Reg. 153/04 to support a Site Plan Control Application for the proposed development of the Phase One Property. The conclusions and recommendations provided in this report represent the best judgement of the assessors based on the Site conditions observed on May 30, 2024, and a review of available historical information and information obtained from interviews.

We trust that the information provided in this report meets your current requirements.

8.2 Terms and Limitations

This Phase One ESA was performed in order to identify potential issues of environmental concern associated with the property located on the North Part of 541 Somme Street in Ottawa, Ontario, at the time of the Site reconnaissance. This Phase One ESA was performed in general compliance with currently acceptable practices for environmental site investigations, and specific Client requests, as applicable to this Site. This report was prepared for the exclusive use of Tres Comas Ltd. (Client) subject to the terms, conditions, and limitations contained within the duly authorized proposal for this project. Any use that a third party makes of this report, or any reliance on or decisions to be made based on it, is the sole responsibility of such third parties. Pinchin accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted. If additional parties require reliance on this report, written authorization from Pinchin will be required. Such reliance will only be provided by Pinchin following written authorization from the Client. Pinchin disclaims responsibility of consequential financial effects on transactions or property values, or requirements for follow-up actions and costs. No other warranties are implied or expressed. Pinchin will not provide results or information to any party unless disclosure by Pinchin is required by law.

The information provided in this report is based upon analysis of available documents, records and drawings, and personal interviews. In evaluating the Site, Pinchin has relied in good faith on information provided by other individuals noted in this report. Pinchin 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

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provided by the current owner/occupant. Pinchin 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, or contained in reports that were reviewed. The scope of work for this Phase One ESA did not include a visual or intrusive investigation for designated substances (e.g., asbestos, mould, PCB-containing electrical equipment, etc.) and, therefore, these materials may be present at the Site.

Pinchin 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 these interpretations may change over time.

Ontario Regulation 153/04 does not apply to environmental auditing or environmental management systems. Therefore, with respect to Site operations and conditions, compliance with applicable federal, provincial or municipal acts, regulations, laws and/or statutes was not evaluated as part of the Phase One ESA.

8.3 REFERENCES

The following documents, persons, or organizations provided information used in this report:

1. Titian Environmental Containment, Branch Manager for the Site since approximately February 2024.
2. Branch Manager for the Site since approximately February 2024.
3. ERIS report entitled “Vacant Land - PIN 04326-0670, Ottawa, ON”, dated May 29, 2024 (ERIS Project # 24052800926).
4. Opta Information Intelligence “Vacant Land - PIN 04326-0670, Ottawa, ON”, and dated June 4, 2024 (Opta Order ID: 144941).
5. The Atlas of Canada – Surficial Materials: http://atlas.nrcan.gc.ca/site/english/maps/environment/land/surficialmaterials/1.
6. The Atlas of Canada – Bedrock Geology: http://atlas.gc.ca/site/english/maps/archives/3rdedition/environment/land/016?w=4&h=4&l=6&r=4&c=12.
7. Toporama – Topographic Maps: http://atlas.gc.ca/site/english/maps/topo/map.

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8. Canadian Centre for Occupational Health & Safety: http://www.ccohs.ca/oshanswers/phys_agents/radon.html.
9. Canadian Standards Association (CSA) Standard. *CSA Z768-01, Phase I Environmental Site Assessment*, Canadian Standards Association International, November 2001, reaffirmed in 2022.
10. National Air Photo Library, Ottawa, Ontario.
11. Library and Archives of Canada, Ottawa, Ontario.
12. The City of Ottawa GeoOttawa.
13. Ministry of the Environment, Conservation and Parks.
14. MECP Brownfields Environmental Site Registry.
15. Google Earth™.
16. Health Canada. "*Cross-Canada Survey of Radon Concentrations in Homes – Final Report*", dated March 2012.
17. *"Phase II Environmental Site Assessment, 5213 Hawthorne Road, Part 4, Ottawa, Ontario",* prepared by Paterson Group for R. W. Tomlinson Limited and, dated January 9, 2020.

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APPENDICES

APPENDIX A
Tables

Table 1 - Table of Potentially Contaminating Activities

PCA Designation	Location of Potentially Contaminating Activity	Potentially Contaminating Activity	Location of PCA (On-Site or Off-Site)	Distance from Phase One Property (meters)	Location Relative to Inferred Groundwater Flow Direction[1]	Contributing to an APEC at the Site (Yes/No)	Media Potentially Impacted (Ground Water, Soil and/or Sediment)
PCA-1	Throughout the entire Phase One Property	Item 30 - Importation of Fill Material of Unknown Quality	On-Site	NA – On-Site PCA	NA - On-Site PCA	Yes	Soil
PCA-2	Northwest, south and west of the Phase One Property	Item 30 - Importation of Fill Material of Unknown Quality	Off-Site	Neighbouring properties	Upgradient/Transgradient	No	Not Applicable

Notes:

APEC – Area of Potential Environmental Concern

PCA – Potentially Contaminating Activity

1 – Location of PCA relative to the Phase One Property in relation to the inferred groundwater flow direction in the Phase One Study Area

Table 2 - Table of Areas of Potential Environmental Concern

Area of Potential Environmental Concern1	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity2	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern[3]	Media Potentially Impacted (Ground Water, Soil and/or Sediment)
APEC-1 (Importation of fill material on-Site)	Across the entirety of the Phase One Property.	Item 30 - Importation of Fill Material of Unknown Quality	On-Site	BTEX PHCs (F1-F4) PAHs EC/SAR	Soil

Notes:

1 - Areas of potential environmental concern means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through,
(a) identification of past or present uses on, in or under the phase one property, and
(b) identification of potentially contaminating activity.

2 - Potentially contaminating activity means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a phase one study area

3 - When completing this column, identify all contaminants of potential concern using the Method Groups as identified in the Protocol for in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011, as specified below:

List of Method Groups:

ABNs	PCBs	Metals	Electrical Conductivity
CPs	PAHs	As, Sb, Se	Cr (VI)
1,4-Dioxane	THMs	Na	Hg
Dioxins/Furans, PCDDs/PCDFs	VOCs	B-HWS	Methyl Mercury
OCs	BTEX	Cl-	Low or high pH,
PHCs	Ca, Mg	CN-	SAR

4 - When submitting a record of site condition for filing, a copy of this table must be attached

APPENDIX B
Figures

PINCHIN

PROJECT NAME:	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT				
CLIENT NAME:	TITAN ENVIRONMENTAL CONTAINMENT LTD.				
PROJECT LOCATION:	NORTH PART OF 541 SOMME STREET, OTTAWA, ONTARIO				
FIGURE NAME:	KEY MAP				FIGURE NUMBER: 1
PROJECT NUMBER: 342746.001	SCALE: 1:25,000	DRAWN BY: KP	REVIEWED BY: EW	DATE: AUGUST 2024	

N

LEGEND

PHASE ONE PROPERTY BOUNDARY

MONITORING WELL (PATERSON, 2019)

LEGEND IS COLOUR DEPENDENT. NON-COLOUR COPIES MAY ALTER INTERPRETATION.

0m 50m

SCALE

INFERRED GROUNDWATER FLOW DIRECTION

PINCHIN

PROJECT NAME:
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

CLIENT NAME:
TITAN ENVIRONMENTAL CONTAINMENT LTD.

PROJECT LOCATION:
NORTH PART OF 541 SOMME STREET, OTTAWA, ONTARIO

FIGURE NAME:
PHASE ONE PROPERTY

PROJECT NUMBER:	SCALE:
342746.001	AS SHOWN
DRAWN BY: KP	REVIEWED BY: EW
DATE: AUGUST 2024	FIGURE NUMBER: 2

N

LEGEND

- PHASE ONE PROPERTY BOUNDARY
- PHASE ONE STUDY AREA BOUNDARY
- P PARKING
- IND INDUSTRIAL
- INDUSTRIAL/COMMERCIAL/ COMMUNITY LAND USE
- RESIDENTIAL/PARKLAND/ INSTITUTIONAL LAND USE
- AGRICULTURAL OR OTHER LAND USE

0m 125m
SCALE

INFERRED GROUNDWATER FLOW DIRECTION

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PINCHIN

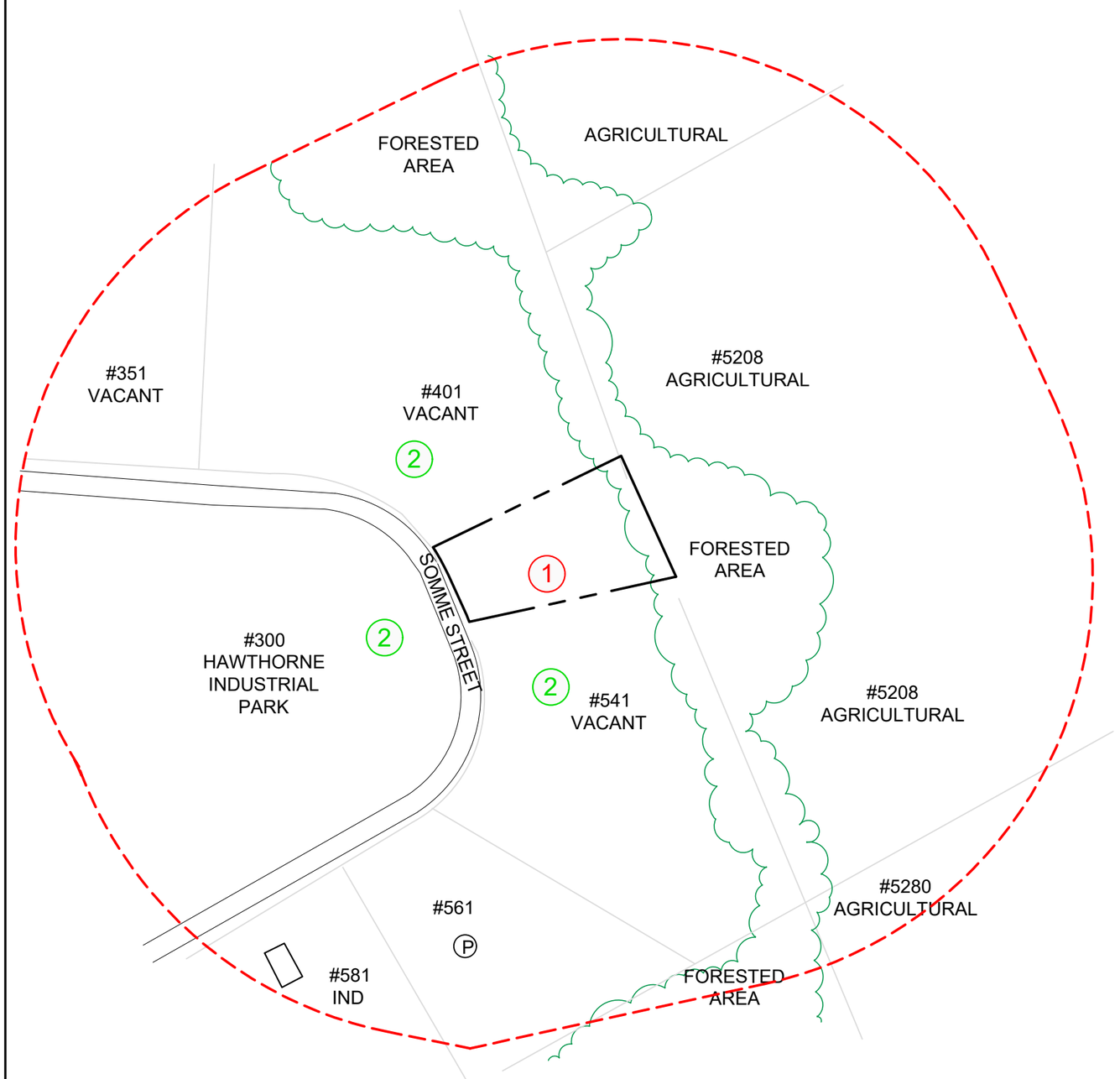
PROJECT NAME:
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

CLIENT NAME:
TITAN ENVIRONMENTAL CONTAINMENT LTD.

PROJECT LOCATION:
NORTH PART OF 541 SOMME STREET, OTTAWA, ONTARIO

FIGURE NAME:
PHASE ONE STUDY AREA

PROJECT NUMBER:	SCALE:
342746.001	AS SHOWN
DRAWN BY: KP	REVIEWED BY: EW
DATE: AUGUST 2024	FIGURE NUMBER: 3



PCA Designation	Location of Potentially Contaminating Activity	Potentially Contaminating Activity	Location of PCA (On-Site or Off-Site)	Distance from Phase One Property (meters)	Location Relative to Inferred Groundwater Flow Direction[1]	Contributing to an APEC at the Site (Yes/No)	Media Potentially Impacted (Ground Water, Soil and/or Sediment)
PCA-1	Throughout the entire Phase One Property	Item 30 - Importation of Fill Material of Unknown Quality	On-Site	NA – On-Site PCA	NA - On-Site PCA	Yes	Soil
PCA-2	Northwest, south and west of the Phase One Property	Item 30 - Importation of Fill Material of Unknown Quality	Off-Site	Neighbouring properties	Upgradient/Transgradient	No	Not Applicable

N

LEGEND

- PHASE ONE PROPERTY BOUNDARY
- PHASE ONE STUDY AREA BOUNDARY
- (P) PARKING
- IND INDUSTRIAL
- APEC AREA OF POTENTIAL ENVIRONMENTAL CONCERN
- PCA POTENTIALLY CONTAMINATING ACTIVITY
- (#) PCA CONTRIBUTES TO AN APEC
- (#) PCA DOES NOT CONTRIBUTE TO AN APEC

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PINCHIN

PROJECT NAME:
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

CLIENT NAME:
TITAN ENVIRONMENTAL CONTAINMENT LTD.

PROJECT LOCATION:
NORTH PART OF 541 SOMME STREET, OTTAWA, ONTARIO

FIGURE NAME:
POTENTIALLY CONTAMINATING ACTIVITIES

PROJECT NUMBER:	SCALE:
342746.001	AS SHOWN
DRAWN BY: KP	REVIEWED BY: EW
DATE: AUGUST 2024	FIGURE NUMBER: 4

Area of Potential Environmental Concern1	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity2	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern3	Media Potentially Impacted (Ground Water, Soil and/or Sediment)
APEC-1 (Importation of fill material on-Site)	Across the entirety of the Phase One Property.	Item 30 - Importation of Fill Material of Unknown Quality	On-Site	BTEX PHCs (F1-F4) PAHs EC/SAR	Soil

N

LEGEND

PHASE ONE PROPERTY BOUNDARY

APEC AREA OF POTENTIAL ENVIRONMENTAL CONCERN

APEC-1

MONITORING WELL (PATERSON, 2019)

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PINCHIN

PROJECT NAME:
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

CLIENT NAME:
TITAN ENVIRONMENTAL CONTAINMENT LTD.

PROJECT LOCATION:
NORTH PART OF 541 SOMME STREET, OTTAWA, ONTARIO

FIGURE NAME:
AREA OF POTENTIAL ENVIRONMENTAL CONCERN

PROJECT NUMBER:	SCALE:
342746.001	AS SHOWN
DRAWN BY: KP	REVIEWED BY: EW
DATE: AUGUST 2024	FIGURE NUMBER: 5

APPENDIX C

Site Photographs

Photo 1 – Site (north elevation).

Photo 2 – Site (south elevation).

Photo 3 – Site (east elevation).

Photo 4 – Site (west elevation).

Photo 5 – Property located north of the Site.

Photo 6 – Property located south of the Site.

Photo 7 – Property located east of the Site.

Photo 8 – Property located west of the Site.

APPENDIX D

Historical Land Use Inventory

Docusign Envelope ID: 9AFD0F08-8D37-4410-9402-BFD233026B4E

City of Ottawa Authorization Letter

July 23, 2024

RE: **Phase I Environmental Site Assessment**
North Part of 541 Somme Street, Vacant Land, Ottawa, Ontario
Project #: 342746.001

This will confirm that Pinchin Ltd. has been obtained to conduct a Phase I Environmental Site Assessment ("ESA") of the above-mentioned property, hereby referred to as the "Site".

Please regard this letter as authorization to release to Pinchin information requested to the City of Ottawa, or any other regulatory body requiring authorization from the owner of the Site.

Tres Comas Ltd.	7/24/2024
Name of Company	Dated
	Derek Bishop
Signature of Representative	Name (please print)

APPENDIX E

Opta Records

opta
INFORMATION INTELLIGENCE

enviroscan

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 1 877 244 9437
W: optaintel.ca

Midori

Site Address:

Vacant Land - PIN 04326-0670, Ottawa, ON

Project No:

24052800926

Opta Order ID:

144941

Requested by:

Eleanor Goolab
ERIS

Date Completed:

6/4/2024 12:16:10 PM

Project Name: Vacant Land PIN 043260670

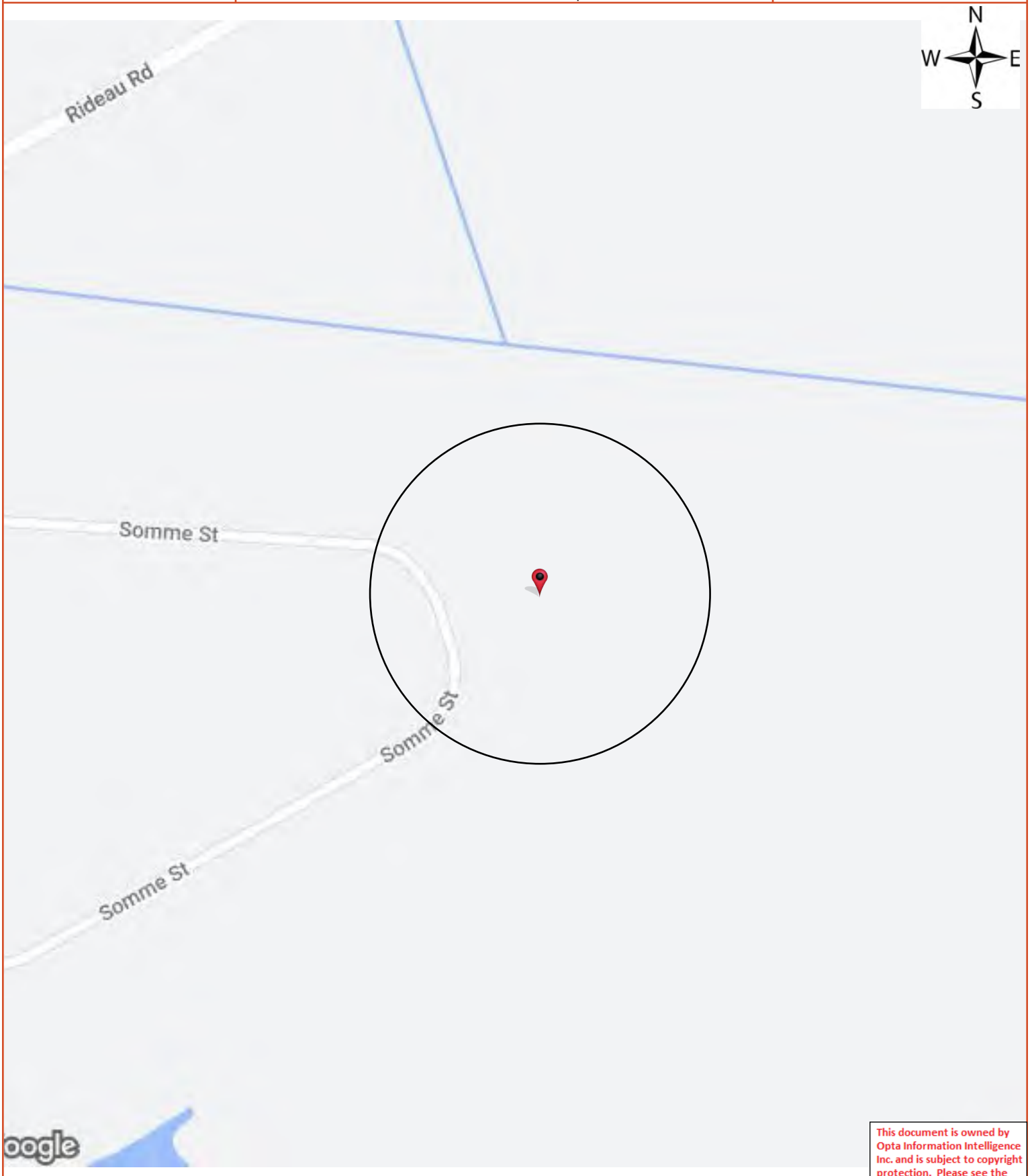
Project #: 24052800926
P.O. #: 342746

ENVIROSCAN Report

Search Area: Vacant Land - PIN 04326-0670, Ottawa, ON

Requested by:
Eleanor Goolab
Date Completed: 06/04/2024 12:16:10

enviroscan
OPTA INFORMATION INTELLIGENCE



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Opta Historical Environmental Services Enviroscan™ Terms and Conditions

Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Opta's records relating to the described property (hereinafter referred to as the "Property"). Opta makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property or in Opta's possession at the time of Report delivery to the purchaser. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Opta does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

Disclaimer

Opta disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on Opta Reports or from any tortious acts or omissions of Opta's agents, employees or representatives.

Entire Agreement

The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

Governing Document

In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.

Law

This agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.

ENVIROSCAN Report

No Records Found

Requested by:
Eleanor Goolab
Date Completed: 06/04/2024 12:16:10

OPTA INFORMATION INTELLIGENCE

No Records Found

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APPENDIX F

ERIS Report

DATABASE REPORT

Project Property:	*Vacant Land - PIN 04326-0670* *Vacant Land - PIN 04326-0670* *Ottawa ON K0A*
Project No:	*342746*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*24052800926*
Requested by:	*Pinchin Ltd.*
Date Completed:	*May 29, 2024*

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

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Executive Summary

Property Information:

Project Property:	*Vacant Land - PIN 04326-0670* *Vacant Land - PIN 04326-0670 Ottawa ON K0A*
Project No:	*342746*

Order Information:

Order No:	*24052800926*
Date Requested:	*May 28, 2024*
Requested by:	*Pinchin Ltd.*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

ERIS Xplorer	*ERIS Xplorer*
Insurance Products	*Fire Insurance Maps/Inspection Reports/Site Plans*

Executive Summary: Report Summary

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

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	N	-	-	-
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	N	-	-	-
MINE	Canadian Mine Locations	N	-	-	-
MNR	Mineral Occurrences	N	-	-	-
NATE	National Analysis of Trends in Emergencies System (NATES)	N	-	-	-
NCPL	Non-Compliance Reports	N	-	-	-
NDFT	National Defense & Canadian Forces Fuel Tanks	N	-	-	-
NDSP	National Defense & Canadian Forces Spills	N	-	-	-
NDWD	National Defence & Canadian Forces Waste Disposal Sites	N	-	-	-
NEBI	National Energy Board Pipeline Incidents	N	-	-	-
NEBP	National Energy Board Wells	N	-	-	-
NEES	National Environmental Emergencies System (NEES)	N	-	-	-
NPCB	National PCB Inventory	N	-	-	-
NPR2	National Pollutant Release Inventory 1993-2020	N	-	-	-
NPRI	National Pollutant Release Inventory - Historic	N	-	-	-
OGWE	Oil and Gas Wells	N	-	-	-
OOGW	Ontario Oil and Gas Wells	N	-	-	-
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	N	-	-	-
PAP	Canadian Pulp and Paper	N	-	-	-
PCFT	Parks Canada Fuel Storage Tanks	N	-	-	-
PES	Pesticide Register	N	-	-	-
PFCH	NPRI Reporters - PFAS Substances	N	-	-	-
PFHA	Potential PFAS Handlers from NPRI	N	-	-	-
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	N	-	-	-
REC	Ontario Regulation 347 Waste Receivers Summary	N	-	-	-
RSC	Record of Site Condition	N	-	-	-
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	N	-	-	-
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	N	-	-	-
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	N	-	-	-
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	N	-	-	-

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
Total:		0	0	0	

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.

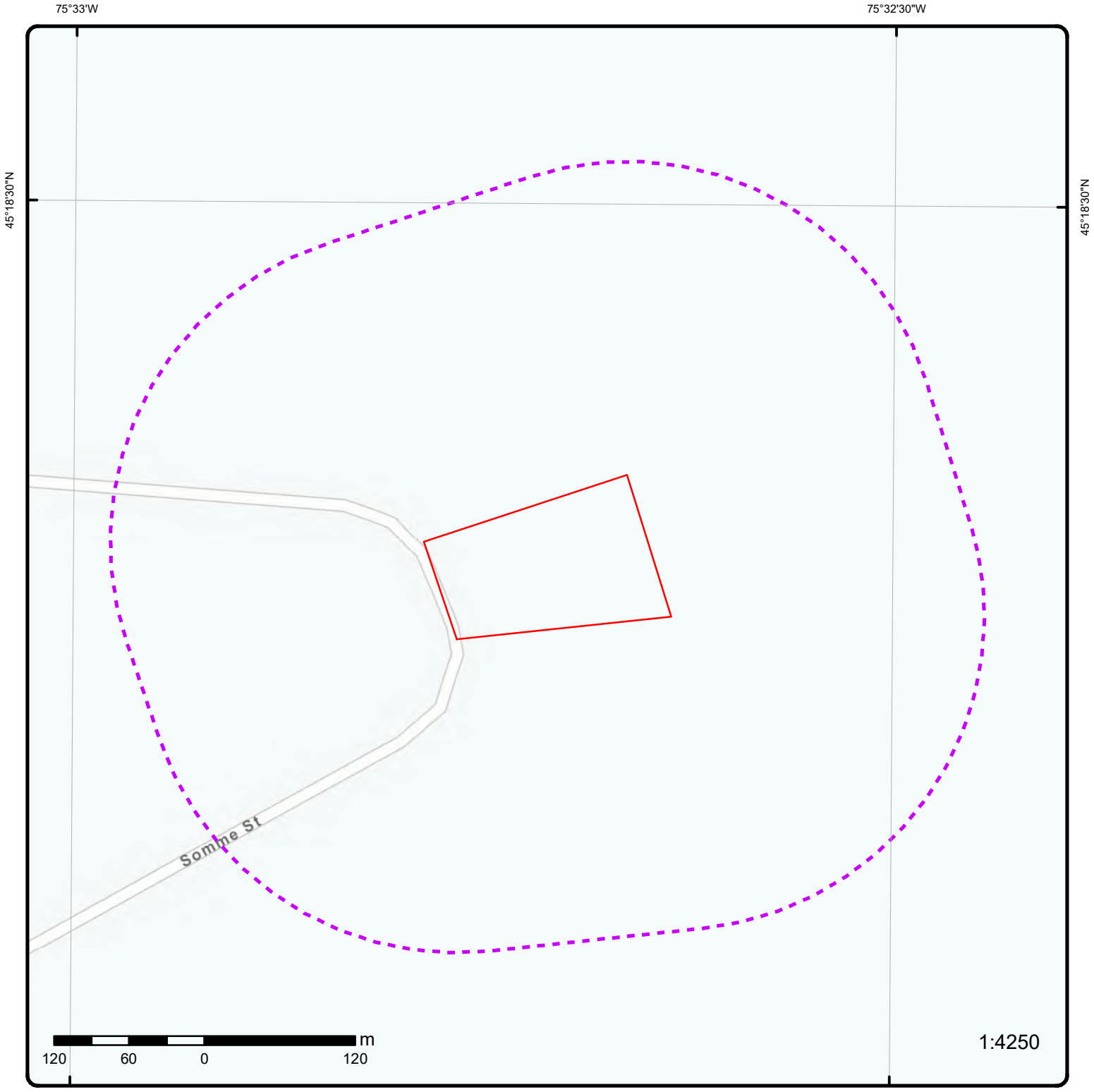
Executive Summary: Site Report Summary - Surrounding Properties

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

No records found in the selected databases for the surrounding properties.

Executive Summary: Summary By Data Source

No records found in the selected databases for the project property or surrounding properties.



Map: 0.25 Kilometer Radius

Order Number: 24052800926

Address: Vacant Land - PIN 04326-0670, Ottawa, 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)

Source: © 2021 ESRI StreetMap Premium.

© ERIS Information Limited Partnership

75°33'W

45°18'N

45°18'N

Aerial

Year: 2023

Order Number: 24052800926

Address: Vacant Land - PIN 04326-0670, Ottawa, ON

Source: ESRI World Imagery

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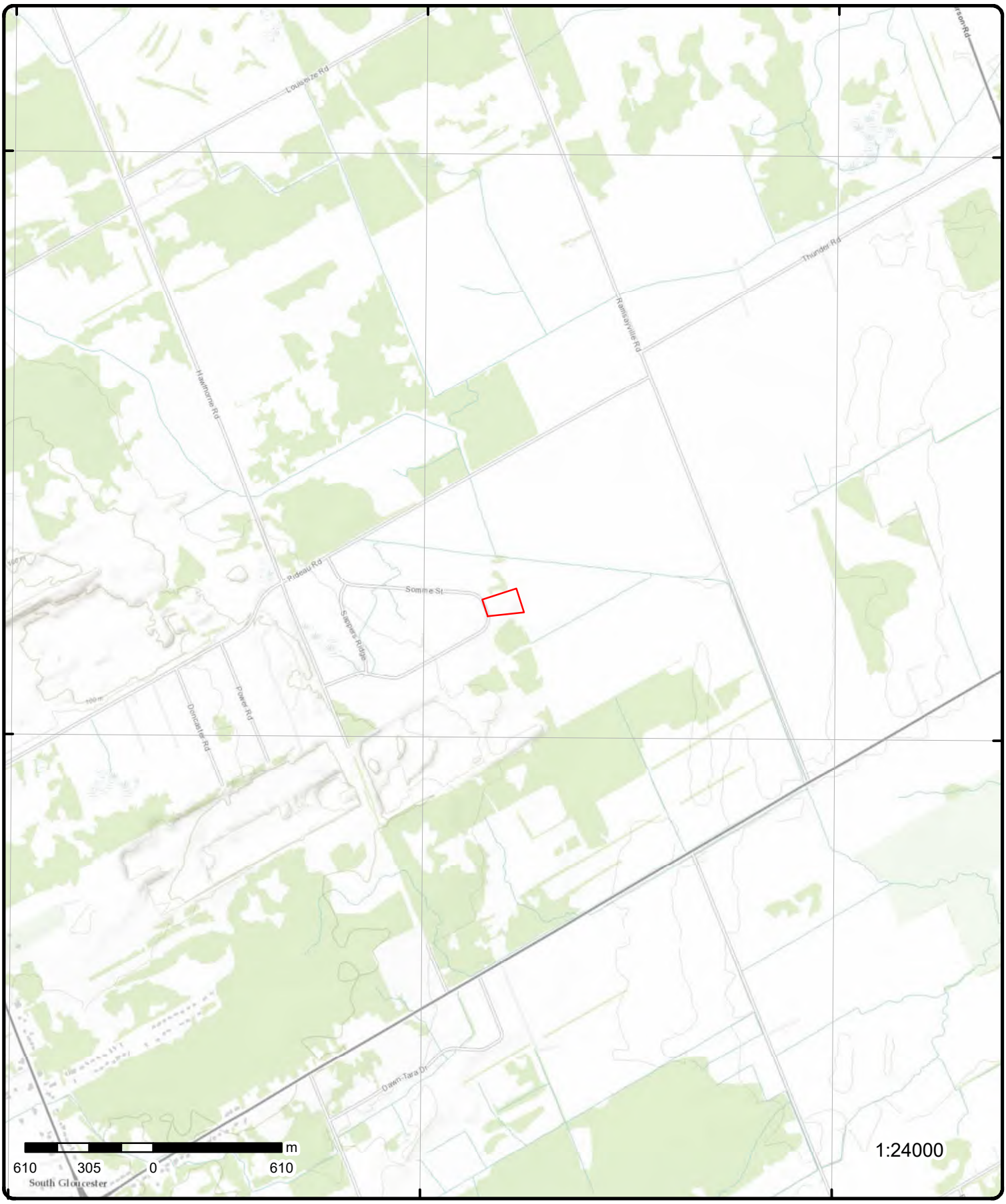

Topographic Map

Address: Vacant Land - PIN 04326-0670, ON

Source: ESRI World Topographic Map

Order Number: 24052800926

© ERIS Information Limited Partnership

Detail Report

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

No records found in the selected databases for the project property or surrounding properties.

Unplottable Summary

Total: 16 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
GEN	LAFARGE CANADA INC.	HAWTHORNE QUARRY LOT 28, CONCESSION 6	GLOUCESTER ON	K4B 1J5
GEN	PERMANENT CONCRETE	HAWTHORNE QUARRY LOT 28 CONCESSION 6	GLOUCESTER ON	
GEN	LAFARGE CANADA INC.	HAWTHORNE QUARRY LOT 28, CONCESSION 6	GLOUCESTER ON	K4B 1J5
GEN	LAFARGE CANADA INC.	HAWTHORNE QUARRY LOT 28, CONCESSION 6	GLOUCESTER ON	K4B 1J5
GEN	LAFARGE CANADA INC.	HAWTHORNE QUARRY LOT 28, CONCESSION 6	GLOUCESTER ON	K4B 1J5
GEN	LAFARGE CANADA INC.	HAWTHORNE QUARRY LOT 28, CONCESSION 6	GLOUCESTER ON	K4B 1J5
GEN	LAFARGE CANADA INC.	HAWTHORNE QUARRY LOT 28, CONCESSION 6	GLOUCESTER ON	K4B 1J5
GEN	LAFARGE CANADA INC.	HAWTHORNE QUARRY LOT 28, CONCESSION 6	GLOUCESTER ON	K4B 1J5
GEN	LAFARGE CANADA INC.	HAWTHORNE QUARRY LOT 28, CONCESSION 6	GLOUCESTER ON	K4B 1J5
GEN	LAFARGE CANADA INC.	HAWTHORNE QUARRY LOT 28, CONCESSION 6	GLOUCESTER ON	
GEN	LAFARGE CANADA INC.	HAWTHORNE QUARRY LOT 28, CONCESSION 6	GLOUCESTER ON	K4B 1J5
GEN	LAFARGE CANADA INC.	HAWTHORNE QUARRY LOT 28, CONCESSION 6	GLOUCESTER ON	
GEN	LAFARGE CANADA INC.	HAWTHORNE QUARRY LOT 28, CONCESSION 6	GLOUCESTER ON	
GEN	LAFARGE CANADA INC.	HAWTHORNE QUARRY LOT 28, CONCESSION 6	GLOUCESTER ON	
GEN	LAFARGE CONSTRUCTION MATERIALS 30-422	HAWTHORNE QUARRY LOT 28 CONCESSION 6	GLOUCESTER ON	
GEN	LAFARGE CONSTRUCTION MATERIALS	HAWTHORNE QUARRY LOT 28, CONCESSION 6	GLOUCESTER ON	

Unplottable Report

Site: ***LAFARGE CANADA INC.***
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON K4B 1J5

Database: ***GEN***

Generator No: ON0430012
SIC Code: 212315
SIC Description: Limestone Mining & Quarrying
Approval Years: 02,03,04,05,06,07,08
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 222
Waste Class Name: HEAVY FUELS

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

Site: ***PERMANENT CONCRETE***
HAWTHORNE QUARRY LOT 28 CONCESSION 6 GLOUCESTER ON

Database: ***GEN***

Generator No: ON0430012
SIC Code: 0000
SIC Description: *** NOT DEFINED ***
Approval Years: 88,89,90
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Site: ***LAFARGE CANADA INC.***
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON K4B 1J5

Database: ***GEN***

Generator No: ON0430012
SIC Code:
SIC Description:
Approval Years: As of Oct 2022
PO Box No:
Country: Canada
Status: Registered
Co Admin:

Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 252 L
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Class: 221 L
Waste Class Name: LIGHT FUELS

Waste Class: 221 I
Waste Class Name: LIGHT FUELS

Waste Class: 213 L
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 222 L
Waste Class Name: HEAVY FUELS

Site: ***LAFARGE CANADA INC.***
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON K4B 1J5

Database: ***GEN***

Generator No: ON0430012
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 222 L
Waste Class Name: Heavy fuels

Waste Class: 213 L
Waste Class Name: Petroleum distillates

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

Waste Class: 221 L
Waste Class Name: Light fuels

Waste Class: 221 I
Waste Class Name: Light fuels

Site: ***LAFARGE CANADA INC.***
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON K4B 1J5

Database: ***GEN***

Generator No: ON0430012
SIC Code:
SIC Description:
Approval Years: As of Jul 2020
PO Box No:
Country: Canada
Status: Registered
Co Admin:

Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213 L
Waste Class Name: Petroleum distillates

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

Waste Class: 221 I
Waste Class Name: Light fuels

Waste Class: 222 L
Waste Class Name: Heavy fuels

Waste Class: 221 L
Waste Class Name: Light fuels

Site: ***LAFARGE CANADA INC.***
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON K4B 1J5

Database: ***GEN***

Generator No: ON0430012
SIC Code: 212315
SIC Description: LIMESTONE MINING AND QUARRYING
Approval Years: 2016
PO Box No:
Country: Canada
Status:
Co Admin: Amanda Kiu
Choice of Contact: CO_ADMIN
Phone No Admin: 905-738-2997 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 222
Waste Class Name: HEAVY FUELS

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

Site: ***LAFARGE CANADA INC.***
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON K4B 1J5

Database: ***GEN***

Generator No: ON0430012
SIC Code:
SIC Description:
Approval Years: As of Dec 2018
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:

MHSW Facility:

Detail(s)

Waste Class: 213 L
Waste Class Name: Petroleum distillates

Waste Class: 221 I
Waste Class Name: Light fuels

Waste Class: 221 L
Waste Class Name: Light fuels

Waste Class: 222 L
Waste Class Name: Heavy fuels

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

Site: ***LAFARGE CANADA INC.***
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON K4B 1J5

Database: ***GEN***

Generator No: ON0430012
SIC Code: 212315
SIC Description: LIMESTONE MINING AND QUARRYING
Approval Years: 2014
PO Box No:
Country: Canada
Status:
Co Admin: Angelo Sorce
Choice of Contact: CO_ADMIN
Phone No Admin: 905-738-7070 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

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

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 222
Waste Class Name: HEAVY FUELS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Site: ***LAFARGE CANADA INC.***
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON K4B 1J5

Database: ***GEN***

Generator No: ON0430012
SIC Code: 212315
SIC Description: LIMESTONE MINING AND QUARRYING
Approval Years: 2015
PO Box No:
Country: Canada
Status:
Co Admin: Angelo Sorce
Choice of Contact: CO_ADMIN
Phone No Admin: 905-738-7070 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

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

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 222
Waste Class Name: HEAVY FUELS

Site: ***LAFARGE CANADA INC.***
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON

Database: ***GEN***

Generator No: ON0430012
SIC Code: 212315
SIC Description: LIMESTONE MINING AND QUARRYING
Approval Years: 2013
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 222
Waste Class Name: HEAVY FUELS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

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

Site: ***LAFARGE CANADA INC.***
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON K4B 1J5

Database: ***GEN***

Generator No: ON0430012
SIC Code: 212315
SIC Description: Limestone Mining and Quarrying
Approval Years: 2012
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 221

Waste Class Name: LIGHT FUELS

Waste Class: 222
Waste Class Name: HEAVY FUELS

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

Site: ***LAFARGE CANADA INC.***
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON

Database: ***GEN***

Generator No: ON0430012
SIC Code: 212315
SIC Description: Limestone Mining and Quarrying
Approval Years: 2011
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 222
Waste Class Name: HEAVY FUELS

Site: ***LAFARGE CANADA INC.***
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON

Database: ***GEN***

Generator No: ON0430012
SIC Code: 212315
SIC Description: Limestone Mining and Quarrying
Approval Years: 2010
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

Waste Class: 222
Waste Class Name: HEAVY FUELS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 221

Waste Class Name: LIGHT FUELS

Site: ***LAFARGE CANADA INC.***
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON

Database: ***GEN***

Generator No: ON0430012
SIC Code: 212315
SIC Description: Limestone Mining and Quarrying
Approval Years: 2009
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 222
Waste Class Name: HEAVY FUELS

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

Site: ***LAFARGE CONSTRUCTION MATERIALS 30-422***
HAWTHORNE QUARRY LOT 28 CONCESSION 6 GLOUCESTER ON

Database: ***GEN***

Generator No: ON0430012
SIC Code: 0812
SIC Description: LIMESTONE QUARRIES
Approval Years: 92,93,94,95,96,97,98
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

Site: ***LAFARGE CONSTRUCTION MATERIALS***
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON

Database: ***GEN***

Generator No: ON0430012
SIC Code: 0812
SIC Description: LIMESTONE QUARRIES
Approval Years: 99,00,01
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:

Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

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

This database of licensed and permitted pits and quarries is maintained by the Ontario Ministry of Natural Resources and Forestry (MNRF), as regulated under the Aggregate Resources Act, R.S.O. 1990. Aggregate site data has been divided into active and inactive sites. Active sites may be further subdivided into partial surrenders. In partial surrenders, defined areas of a site are inactive while the rest of the site remains active.

Government Publication Date: Up to Nov 2023

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-Mar 2022

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-Apr 30, 2024

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 2022

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: Oct 2023

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-Apr 30, 2024

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 -Nov 2023

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-Mar 2024

Certificates of Property Use: Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994 - Mar 31, 2024

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 - Aug 2023

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: Oct 2023

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-Mar 31, 2024

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 - Mar 31, 2024

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-Mar 31, 2024

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-Mar 31, 2024

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: Apr 30, 2022

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, 2022

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: Oct 2023

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-Mar 2024

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: Oct 31, 2021

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: Oct 2023

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-Oct 31, 2022

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 2021

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: 31 Oct, 2023

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: Mar 31, 2022

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-Feb 2024

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, 2022

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-Nov 2023

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 1993-2020: Federal NPR2

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of pollutant releases (to air, water and land), disposals, and transfers for recycling. The inventory, managed by Environment and Climate Change Canada, tracks over 300 substances. Under the authority of the Canadian Environmental Protection Act (CEPA), owners or operators of facilities that meet published reporting requirements are required to report to the NPRI.

Government Publication Date: Sep 2020

National Pollutant Release Inventory - Historic: 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. This data holds historic records; current records are found in NPR2.

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 29, 2024

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-Aug 2023

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 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 - Mar 31, 2024

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-Mar 31, 2024

NPRI Reporters - PFAS Substances: Federal PFCH

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This listing of PFAS substance reporters includes those NPRI facilities that reported substances that are found in either: a) the Comprehensive Global Database of PFASs compiled by the Organisation for Economic Co-operation and Development (OECD), b) the US Environmental Protection Agency (US EPA) Master List of PFAS Substances, c) the US EPA list of PFAS chemicals without explicit structures, or d) the US EPA list of PFAS structures (encompassing the largest set of structures having sufficient levels of fluorination to potentially impart PFAS-type properties).

Government Publication Date: Sep 2020

Potential PFAS Handlers from NPRI: Federal PFHA

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This list of potential PFAS handlers includes those NPRI facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used, or released by the facility - these are facilities that potentially handle PFAS based on their industrial profile.

Government Publication Date: Sep 2020

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: Feb 28, 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 PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Mar 31, 2024

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, 1992-2021

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). The Government of Ontario states that it is not responsible for the accuracy of the information in this Registry.

Government Publication Date: 1997-Sept 2001, Oct 2004-Apr 2024

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-Apr 30, 2024

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 by 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. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests. This database includes spill incidents that occurred in Mar 2023-Dec 2023 and Jan 29, 2024-Feb 29, 2024 in addition to those listed in the Government Publication Date.

Government Publication Date: 1988-Jan 2023; see description

Wastewater Discharger Registration Database: Provincial SRDS

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of 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.

Government Publication Date: 1990-Dec 31, 2021

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 - Apr 2023

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: Feb 28, 2022

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-Mar 31, 2024

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: Dec 31 2023

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 G

MECP FOI Search Results

Ministry of the Environment, Conservation and Parks

Corporate Services Branch
40 St. Clair Avenue West
Toronto ON M4V 1M2

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

Direction des services ministériels
40, avenue St. Clair Ouest
Toronto ON M4V 1M2

Ontario

June 13, 2024

Ms. Julie Crooks
Pinchin Ltd.
1 Hines Road, Suite 200
Kanata, Ontario K2K 3C7
jcrooks@pinchin.com

Dear Julie Crooks:

RE: **MECP FOI A-2024-03462, Your Reference 342746 – Decision Letter**

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to:

Lot 27 Concession 6 from the Rideau River, Gloucester

After a thorough search through the ministry files, no records were located responsive to your request. The official responsible for making the access decision on your request is the undersigned.

You may request a review of my decision within 30 days from the date of this letter by contacting the Information and Privacy Commissioner/Ontario at http://www.ipc.on.ca. Please note there may be a fee associated with submitting the appeal.

If you have any questions, please contact Shannon Neita at shannon.neita@ontario.ca.

Yours truly,

Shannon Neita

for
Josephine De Souza
Manager, Access and Privacy Office

APPENDIX H

TSSA Search Results

Ester Wilson

From: Public Information Services <publicinformationservices@tssa.org>
Sent: July 22, 2024 11:43 AM
To: Ester Wilson
Subject: RE: Fuel Tank Search for 541 Somme St. (342746.001)

You don't often get email from publicinformationservices@tssa.org. Learn why this is important

This Email is from an **EXTERNAL** source. Ensure you trust this sender before clicking on any links or attachments.

Hello,

NO RECORDS FOUND IN CURRENT DATABASE:

- We confirm that there are NO **fuels records** in our database at the subject address(es).

This is not a confirmation that there are no records in the archives. For a further search in our archives, please go to the **TSSA Client Portal** to complete an Application for Release of Public Information.

Please refer to How to Submit a Public Information Request (tssa.org) for instructions.

The associated fee must be paid via credit card (Visa or MasterCard).

Once all steps have been successfully completed you will receive your payment receipt via email.

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

If you have any questions or concerns, please do not hesitate to contact our Public Information Release team at publicinformationservices@tssa.org.

Warm regards,

Connie Hill | Public Information Agent
Public Information
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3383 | Fax: +1 416-734-3568 | E-Mail: chill@tssa.org
www.tssa.org

Winner of 2024 5-Star Safety Cultures Award

From: Ester Wilson <ewilson@Pinchin.com>
Sent: Monday, July 22, 2024 10:59 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Fuel Tank Search for 541 Somme St. (342746.001)

[CAUTION]: This email originated outside the organisation.
Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Hello TSSA,

Can you please conduct a search for any Fuel Storage Tanks at the following address?

541 Somme St
Ottawa, ON K1G 3N4

Thank you,
Ester

Ester Wilson, B.Sc., G.I.T
Project Coordinator, Environmental Due Diligence and Remediation

Pinchin Ltd.
Pinchin office address, City, Province/State ZIP/Postal Code
ewilson@pinchin.com | T: 613.462.2801 | pinchin.com

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This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.