

XCG File No.: 1-898-25-02

January 16, 2020

**PHASE I
ENVIRONMENTAL SITE ASSESSMENT
FORMER KINGSTON PRISON FOR WOMEN
40 SIR JOHN A. MACDONALD BOULEVARD
KINGSTON, ONTARIO**

Prepared for:

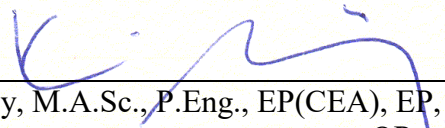
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ES 1. EXECUTIVE SUMMARY

As requested by Siderius Developments Ltd. (the Client), XCG Consulting Limited (XCG) conducted a Phase I Environmental Site Assessment (ESA) at the property and buildings located at 40 Sir John A. MacDonald Boulevard, Kingston, Ontario (subject property or site). It is XCG's understanding that the Client is in the process of purchasing the subject property from the current owner, Queen's University, for potential redevelopment for residential and commercial uses.

The subject site consists of one, irregular shape building comprising a total of approximately 1,918 square metres (20,645 square feet) located on a 3.28-hectare (8.11-acre) parcel of land in the central southern part of the city. The subject site was historically occupied by a prison for women, and was most recently used for storage of wood beams, electrical cable and assistive devices (wheelchairs, canes, crutches) as well as police training.

The purpose of the Phase I ESA was to identify, through a non-intrusive investigation, the existence of any actual or potential sources of significant contamination associated with subject property. Based on discussions with the Client, and XCG's understanding of the Client's environmental risk tolerance, significant contamination means environmental site impairment issues that would affect the planned future use of the property for mixed commercial and residential purposes.

The Phase I ESA was conducted in general accordance with Canadian Standards Association (CSA) Standard Z768-01 (Phase I Standard) for conducting ESAs. The Phase I ESA included a review of historical records, a subject site visit, interviews with persons knowledgeable about historic and current subject site operations, document reviews, and inquiries with regulatory agencies.

Based on the results of the Phase I ESA, including the site visit, information provided by persons knowledgeable about the subject property, records reviewed, the historical review of the subject property, and pending receipt and review of additional information as identified herein, the following potential or actual sources of significant contamination, as defined above, were identified to be associated with the subject site:

Site Operations

XCG is aware that a relatively small area located in the western portion of the site has at times been used for the placement of snow removed from sidewalks, parking lots, and curbs around the City of Kingston during plowing in the winter. This has the potential to have resulted in elevated sodium and chloride concentrations in the groundwater, electrical conductivity and sodium adsorption ration (SAR) levels in the soil, as well as metals and petroleum hydrocarbons (PHCs) impacts in soil and groundwater.

Previous Investigation and Assessment Reports

A 2004 Phase I ESA identified releases from underground storage tanks (USTs) on an adjacent property in 1990. Based on the location of the USTs directly adjacent to the subject property, the historical operation of these USTs is considered a potential source of significant impacts to the site.



Based on a review of the most recent historical reports and data, exceedances of the 2011 Ministry of the Environment (MOE, or the Ministry¹) Table 3 Full Depth Generic Site Condition Standards in a Non-Potable Groundwater Condition and Table 7 Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition were observed in groundwater and soil for one or more of the following: benzene, toluene, ethylbenzene, and xylenes (BTEX), metals, polycyclic aromatic hydrocarbons (PAHs), and PHCs.

Underground Storage Tanks – Current

The ERIS Environmental Database report identified records of a 4,546-litre capacity diesel fibreglass single wall UST and one 4,546-litre capacity private fuel storage tank, as well as two historical 4,546-litre capacity diesel fuel fibreglass single wall UST. The location of the USTs is unknown. A customer service advisor with the Technical Standards and Safety Authority (TSSA) reported to XCG that the TSSA database has one record of an active fuel-related UST. Additional documentation has been requested and will be included in the final report. Releases, if any, associated with the operation of the current or historical fuel UST represents a potential impact to soil and groundwater quality at the subject site, the nature and extent of which is not currently known.

Fill Materials

Site personnel indicated that fill was placed to level the site following the selective demolition of the additions on the north side of the building. The remnants of the walls may have been graded on-site, with a thin layer of topsoil placed atop the fill. The source of the fill, as well as the quantity, is unknown and therefore presents a potential source of significant environmental impact.

ES 1.1 Other Considerations

Designated Substances and Special Attention Items

Due to the age of the main building (constructed in 1925), it is likely to contain hazardous building materials such as asbestos and lead. These substances normally do not affect the day-to-day occupancy as long as building materials are in good condition, but become an important consideration if renovation (or demolition) is planned that may expose the hazardous materials.

ES 1.2 Limitations

The limitations detailed in Section 5.1 of this report apply to the entirety of the report, including this executive summary. This executive summary is not intended as a stand-alone document, but instead is intended to be read in conjunction with the whole report.

¹ Previously known as the MOE, the Ministry of the Environment and Energy (MOEE), and the Ministry of the Environment and Climate Change (MOECC). Currently known as the Ministry of the Environment, Conservation and Parks (MECP).



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1. INTRODUCTION

1.1 Project Understanding, Purpose, and Use

As requested by Siderius Developments Ltd. (the Client), XCG Consulting Limited (XCG) conducted a Phase I Environmental Site Assessment (ESA) at the property and buildings located at 40 Sir John A. MacDonald Boulevard, Kingston, Ontario (subject property or site). It is XCG's understanding that Siderius is in the process of purchasing the subject property for potential redevelopment for residential and commercial uses. A site location and layout are shown on Figure 1.

The purpose of the Phase I ESA was to identify, through a non-intrusive investigation, the existence of any actual or potential sources of significant contamination associated with subject property. Based on discussions with the Client, and XCG's understanding of the Client's environmental risk tolerance, significant contamination means environmental site impairment issues that would affect the planned future use of the property for residential and commercial purposes.

This Phase I ESA is not a compliance audit. Furthermore, XCG understands that this Phase I ESA will not be used for the purpose of obtaining a Record of Site Condition (RSC) for the subject property in accordance with Ontario Regulation (O. Reg.) 153/04 (as amended). It is XCG's understanding that a RSC is not required for the site as there is no change from a less sensitive use to a more sensitive use. The previous use of the site was as a prison, which is a residential use, and the future use is anticipated to be mixed commercial and residential.

The Phase I ESA was conducted in general accordance with Canadian Standards Association (CSA) Standard Z768-01 (Phase I Standard) for conducting environmental site assessments. The Phase I ESA included a review of historical records, a subject site visit, interviews with persons knowledgeable about historic and current subject site operations, document reviews, and inquiries with regulatory agencies.

1.2 Scope of Work

There are mandatory requirements to just meet the Phase I Standard, as well as several enhancements (which are listed as optional or helpful tasks, which may be agreed upon between the Client and Assessor). The Phase I Standard requires that the scope of any enhancements desired by the client be defined. The Client requested that a standard Phase I ESA be conducted for the subject property.

The following tasks were conducted during the Phase I ESA:

1. Records Review

- Aerial Photographs;
- Property-Use Records (e.g. fire insurance maps, city directories, contaminated site registries);
- Prior Investigations/ESAs;



- Jacques Whitford, 2004, “Phase I Environmental Site Assessment Report, Kingston Prison For Women – Extra Parcel, 40 Sir John A. MacDonald, Kingston, Ontario K7M 1A1,” dated March 8, 2004, prepared for Canada Lands Company CLC Limited (Referred to in this report as “Extra Parcel Phase I ESA Report”);
 - Jacques Whitford, 2004, “Limited Phase II Environmental Site Assessment, 40 Sir John A. MacDonald, Kingston, Ontario,” dated April 22, 2004, prepared for Canada Lands Company CLC Limited (Referred to in this report as “Limited Phase II ESA Report”);
 - Jacques Whitford, 2004, “Supplemental Phase II Environmental Site Assessment, Kingston Prison for Women,” dated September 9, 2004 (Referred to in this report as “Supplemental Phase II ESA Report”);
 - Jacques Whitford, 2005, “Phase III Delineation Environmental Site Assessment, Kingston prison for Women,” dated January 13, 2005 (Referred to in this report as “Phase III ESA Report”); and
 - Jacques Whitford, 2008, “Final Report: Soil Remediation Excavation, Former Kingston Prison for Women, 40 Sir John A. MacDonald Blvd., Kingston, Ontario,” dated February 5, 2008, prepared for Canada Lands Company CLC Limited (Referred to in this report as the “Remediation Report”).
- Environmental Databases;
 - Company Records, including if available, site plans, building plans, permit records, production and maintenance records, asbestos surveys, site utility drawings, emergency response and contingency plans, spill reporting plans and records, inventories of chemicals and their usage (e.g. WHMIS), environmental monitoring data, waste management records, inventory of underground and aboveground tanks; and
 - Regulatory Agency Records, including past, pending, outstanding, or continuing prosecutions, citations, control orders, third party complaints, violations of environmental statutes, regulations, by-laws, and/or permits.

2. Site Visit

Conducting a site visit comprised of the following:

- Inspecting the site and observing adjacent properties from the subject site and public areas;
- Identifying and describing the potable water supply source;
- Identifying visual and suspected areas of surface and subsurface contamination;
- Identifying probable cut and fill operations that may have required that fill of unknown quality be deposited on the subject property;



- Identifying and describing aboveground and underground storage tanks (ASTs and USTs), other storage containers, odours;
- Identifying neighbouring land uses (i.e. sensitive neighbours, as well as potential off-site contamination, which may impact the subject property);
- Identifying chlorofluorocarbons (CFCs) in use, including air conditioning and refrigeration equipment that may use CFCs;
- Identifying possible asbestos-containing materials (ACMs) and urea formaldehyde foam insulation (UFFI);
- Identifying potential polychlorinated biphenyl (PCB)-containing electrical capacitors and transformers;
- Identifying potential lead-based paints;
- Identifying water damage and mould;
- Listing other hazardous materials, including wastes, and their relative quantities, types of containers, and storage conditions;
- Inspecting the interior of structures for evidence of contamination; (this included observing heating and cooling systems for emissions and wastes, stains, floor cracks, sumps and drains, hydraulic hoists, and elevators); and
- Inspecting the exterior of structures for indications of contamination, (including the roof, if accessible), topographic, geographic, and hydrogeologic conditions observed, general description of the structures, wells, sewage disposal, pits, and lagoons, stressed vegetation, wastewater discharge, watercourses, ditches, and standing water, roads, parking facilities, and rights-of-way.

3. Interviews

- Contacting the Ministry of the Environment, Conservation and Parks (MOECP)² (because it is the main jurisdiction over environmental matters at this location) to determine whether they are aware of any environmental issues in the area that would negatively impact the subject property and the Technical Standards and Safety Authority (TSSA), Fuel Safety Division (FSD) (regarding fuel storage on-site and on adjacent properties); and
- Conducting interviews with persons knowledgeable about the subject site and neighbouring properties.

4. Evaluation of Information and Reporting

Preparation of a report documenting the findings, including the following:

² Previously also known as the Ministry of the Environment (MOE), Ministry of the Environment and Energy (MOEE), and the Ministry of Environment and Climate Change (MOECC). Currently known as the Ministry of the Environment, Conservation and Parks (MOECP).



- Site location map and a site layout plan showing key features of the property, neighbours, roads, and areas of potential environmental concern (if any);
- Discussion of the history of the property (with emphasis on activities that may have caused environmental impacts);
- Identification and discussion of the significance of visual or suspected areas of contamination, hazardous materials, or other potential environmental concerns; and
- Description of the general geological and hydrogeological conditions in the area of the site (from available public sources and from site specific information obtained during the site visit).

The following tasks were not conducted during the Phase I ESA:

- Due to site-specific health and safety policies, XCG personnel were not permitted to access the roof.
- During the subject site visit, XCG did not access the attic crawl space.

1.3 **Methodology**

The site visit was conducted by Ms. Caroline Keddy, of XCG. During the site visit, XCG completed a walk-through of the site, as well as a review of relevant site records made available to XCG, visual observations of adjacent properties as viewed from the subject site and surrounding public roadways, and interviews with individuals associated with the site.

Site personnel provided information regarding plant operations and historic site use. Ms. Caroline Keddy was accompanied during the site visit by Mr. Nate Doornekamp, Mr. Martin Skolnick, and Mr. John Witjes, the Associate Vice-Principal (Facilities) at Queen's Physical Plant Services who is familiar with the site history.

In addition to site personnel mentioned above, the following individuals and agencies were contacted for information concerning the subject property and surrounding area:

- Ms. Jackie De Santis, Ecolog ERIS (Ecolog);
- Ms. Sherees, Customer Service Representative, Technical Standards and Safety Authority; and
- Ms. Janet Dadufalza, Ontario MOE, FOI Office, Toronto.

Senior technical advice and a quality assurance review for this Phase I ESA were provided by Mr. Kevin Shipley. Summaries of the qualifications of Ms. Keddy and Mr. Shipley are provided in Appendix A.



2. SITE INFORMATION

2.1 Site Location and Description

2.1.1 Property and Structures

The subject property is approximately 3.28 hectares (8.11 acres) and is located on the west side of Sir John A. MacDonald Boulevard, between Union Street and King Street in Kingston, Ontario. The subject property is zoned “Special Education and Medical Uses Zone” and is situated in an area that predominately consists of institutional as well as residential uses. The site and surrounding properties are shown on Figure 1.

The subject site is occupied by a single, irregular shape building that is located near the centre of the site, towards the east. There is a parking area located near the northwest corner of the property, and a laneway that runs to the south side of the building. There is a sidewalk from Sir John A. MacDonald Boulevard to the entrance of the building. The remainder of the property is landscaped with grass and some trees along the edge of the property. The subject site was historically occupied by the Prison for Women, and was most recently used for storage of wood beams, electrical cable, and assistive devices (wheelchairs, canes, crutches) as well as police training.

A summary of the physical description of the subject property, including the site structures is provided in the table below.

Summary of Property and Structure Features

Property Features	Findings	Source
Site Legal Description	A portion of Part of Blocks 183 & 184, Plan 54, Village of Portsmouth, City of Kingston, Province of Ontario Part Block 182 Plan 54 Kingston City Parts 1-21, 12R18756; S/T Easement in favour of the owner of Part Block 182 Plan 54, Part 8, 13R17817 Over Part Block.	Teranet Express
Site Area	Approximately 3.3-ha (8.05-acres)	KMaps
Number of Buildings	One	Observation
Building Footprint(s)	1,918 square meters (20,645 square feet)	GIS
Approximate year of Construction and Significant Additions or Renovations	Built between 1925-1933	Canada’s Historic Places website
Number of Floors	Three	Observation
Subsurface Levels (basements/crawl spaces, etc.)	Basement and steam tunnels	Observation
Exterior Construction Materials	Limestone with metal siding on the addition to the north.	Observation
Roof Construction Materials	Metal	Site personnel
Interior Construction Materials	Drywall, concrete block walls, tile flooring, carpet, hardwood, drop ceiling tile	Observation



SITE INFORMATION

Property Features	Findings	Source
Exterior Surfaces of the Site (paved, landscaped, bare ground, etc.)	At the time of the site visit, the exterior surfaces of the site predominantly consisted of grass. A paved parking lot was located in the northwest corner of the property, with a gravel driveway leading to the parking lot off Union Street West, and a gravel path that leads from the parking lot to the west side of the building. This path runs along the south side of the building and forms a loop before extending to the parking lot associated with the south adjacent property. There is a laneway from the sidewalk along Sir John A. MacDonald Boulevard to the east entrance to the building. There are trees located along the west side of the property boundary and near the east entrance to the building. There is a concrete wall located along the west property boundary.	Observation

2.1.2 Utility Services

At the time of the site visit, the subject building was disconnected from all utility services, aside from power being drawn from across the street to power the fire alarms. There was one pad-mounted transformer located on the north side of the electrical room which is located on the north side of the building. Within the electrical room, there were three transformers at the time of the site visit. The building was historically heated through hot water heating. Historical steam heat was brought on site through steam tunnels coming from a steam plant located adjacent to the south. Steam tunnels run below the subject building and under the walkway on the east side of the building. The tunnel is vented to the outside via a vent pipe located adjacent to the walkway on the east side of the building. Site personnel were not aware of any historical use of fuel oil-fired comfort heating equipment on-site.

Air conditioning was provided to the administration area of the former prison. During the site visit one condenser was located near the northwest corner of the building. There is a stand-up cooling unit located in the telephone/data room in the lower level of the admin wing.

Potable water was reportedly provided by the water towers from Kingston Penitentiary, located adjacent to the south, and sewage was discharged to the Kingston Penitentiary septic system, also located adjacent to the south. Water in the water towers is presumed to have been provided by the City of Kingston. When the property was purchased by Queen's University, the subject site was serviced by Utilities Kingston for water and sewer. It is unknown what year this conversion took place. Site personnel were not aware of any potable water supply wells or septic systems located on subject site. No evidence of on-site potable water supply wells or septic systems was observed by XCG during the site visit.



2.2 Site Setting

An overview of the geology and hydrogeology of the site and surrounding area is provide below in order to assist in the evaluation of the potential for contaminant migration. Site setting information was obtained from sources as referenced.

Summary of Site and Surrounding Area Geology and Hydrogeology

Site Setting	Findings	Source
Topography of Site and Surrounding Area	The site and the adjacent properties to the north and east are relatively flat. The adjacent property to the south is on a slope to the south. There is a retaining wall along the west side of the property and the adjacent properties are at a lower elevation, but are relatively flat.	Observation
Site Grade Relative to Adjacent Properties	The site is at a slightly higher elevation than the adjacent properties to the south and to the west.	Observation
On-Site Surface Water and flow patterns	Surface water runoff on the subject property is expected to infiltrate the grassed and gravel portions of the property. Stormwater runoff from the roof of the building is discharged onto the grassed/gravel portions alongside the building. Stormwater runoff collecting on the asphalt-paved area to the northwest is directed by surface grading toward the perimeter of the site and ultimately to the stormwater catch basins located on Union Street.	Observation
Fill Materials	Fill was placed on site following the selective demolition of the additions on the north side of the building in order to level the site. The remnants of the walls may have been graded on site, with a thin layer of topsoil placed atop the fill.	Site Personnel
Subsurface Soil (and depth if available)	Undifferentiated carbonate and clastic sedimentary rock, exposed at surface or covered by a discontinuous, thin layer of drift.	Map 2556 entitled "Quaternary Geology of Ontario – Southern Sheet, Ministry of Northern Development and Mines (1991)
Bedrock Type (and depth if available)	Limestone, dolostone, shale, arkose, sandstone. Ottawa Gp.; Simcoe Gp.; Shadow Lake Formation.	Map 2544 entitled "Bedrock Geology of Ontario – Southern Sheet," MNR 1991


SITE INFORMATION

Site Setting	Findings	Source
Nearest Surface Water Body	Lake Ontario is located approximately 100 metres southwest of the subject site.	Google Maps
Inferred Depth to Shallow Groundwater	Between 2.01-7.35 metres based on monitoring wells located on site and sampled in 2004.	MOECP Water Well Records for within 1 kilometre of the subject site.
Inferred Shallow Groundwater Flow Direction	It is anticipated that shallow groundwater would flow in a south to south-westerly direction following the topography towards Lake Ontario. The direction of shallow groundwater flow may be locally influenced by roadways, buried utilities, and geology.	Interpreted based on topography and distance to surface water bodies.
Nearest Water Supply Well	No water supply wells are present within the 250 metre search area because the study area is serviced by municipal water.	ERIS
Nearest Municipal Supply Well	No municipal supply wells are present within the 250 metre search area because the study area is serviced by municipal water.	ERIS
Other Pertinent Features (e.g. Gas/oil wells)	N/A	ERIS



HISTORICAL RECORDS REVIEWS AND ENVIRONMENTAL DATABASE SEARCHES

3. HISTORICAL RECORDS REVIEWS AND ENVIRONMENTAL DATABASE SEARCHES

3.1 Property Title Search

Search of the property title records were not completed as part of this Phase I ESA.

3.2 City Directories

City directory information for the subject property and surrounding area was provided by ERIS from Polk's Kingston, Ontario City Directory for the years 1950 to 2000. A copy of the ERIS City Directories search is included in Appendix B.

The table below provides a list of historical occupants at the subject site and directly adjacent sites.

Summary of City Directories Reviewed

Location	Occupancy Date	Listed Occupant
40 Sir John A. Macdonald Boulevard		
Subject Site	1950, 1956, 1960, 1965, 1970, 1975	• Address not listed
	1980, 1986, 1989/90	• Kingston Prison for Women
	1995/96, 2000	• Government of Canada Correctional Service
466 Union Street (Cross-Gradient)		
East Adjacent Property	1950	• Address not listed
	1956, 1960, 1965, 1970, 1975, 1980	• Canadian National Institute for the Blind
	1965, 1970, 1975	• Quinte St Lawrence Hall
	1986, 1989/90, 1995/96, 2000	• McArthur College
511 Union Street (Up-Gradient)		
North Adjacent Property	1950, 1956, 1960, 1965, 1970, 1975, 1980, 1986, 1989/90, 1995/96, 2000	• Address not listed
535 Union Street (Up-Gradient)		
North Adjacent Property	1950, 1956, 1960, 1965, 1970, 1975, 1980, 1986, 1989/90, 1995/96, 2000	• Address not listed
548 Union Street (Cross-Gradient)		
West Adjacent Property	1950, 1956	• Address not listed
	1960, 1965, 1970, 1975, 1980, 1986, 1989/90, 1995/96, 2000	• Residential



HISTORICAL RECORDS REVIEWS AND ENVIRONMENTAL DATABASE SEARCHES

Location	Occupancy Date	Listed Occupant
550 Union Street (Cross-Gradient)		
West Adjacent Property	1950,1956	• Address not listed
	1960,1965,1970,1975,1980, 1986,1989/90,1995/96,2000	• Residential
525 King Street (Cross-Gradient)		
East Adjacent Property	1950,1956,1960,1965,1995/96	• Address not listed
	1970	• Vacant
	1975,1980	• Penitentiary Service
	1986,1989/90	• Correctional Service of Canada
	2000	• Isabel McNeill House
555 King Street (Down-Gradient)		
South Adjacent Property	1950,1956,1960,1965,1970,1975	• Address not listed
	1980	• Regional Psychiatric Centre • Regional Reception Centre
	1986,1989/90	• Regional Treatment Centre • Kingston Penitentiary
	1995/96,2000	• Government of Canada Correction Service
560 King Street (Down-Gradient)		
South Adjacent Property	1950,1956,1960,1965,1970,197, 1980,1986,1989/90,1995/96,2000	• Address not listed
585 King Street (Cross-Gradient)		
West Adjacent Property	1950,1956,1960	• Address not listed
	1965,1970,1975,1980,1986,1989/90, 1995/96,2000	• Residential
15 Gardiner Street (Cross-Gradient)		
West Adjacent Property	1950	• Address not listed
	1956,1960,1965,1970,1975,1980, 1989/90,1995/96,2000	• Residential
	1986	• No Return
17 Gardiner Street (Cross-Gradient)		
West Adjacent Property	1950,1956,1960,1965,1970,1975, 1980,1986,1995/96	• Address not listed
	1989/90	• No Return
	2000	• Not Verified



HISTORICAL RECORDS REVIEWS AND ENVIRONMENTAL DATABASE SEARCHES

Location	Occupancy Date	Listed Occupant
19 Gardiner Street (Cross-Gradient)		
West Adjacent Property	1950,1956,1960	• Address not listed
	1965,1970,1975,1980,1986	• Residential
	1989/90,2000	• Kingston Friendship Homes
	1995/96	• Not Verified
21 Gardiner Street (Cross-Gradient)		
West Adjacent Property	1950,1956,1960	• Address not listed
	1965,1970,1975,1980,1986	• Residential
	1989/90,2000	• Kingston Friendship Homes
	1995/96	• Not Verified
25 Gardiner Street (Cross-Gradient)		
West Adjacent Property	1950	• Address not listed
	1956,1960,1965,1970,1975,1980,1986,1989/90,1995/96	• Residential
	2000	• Not Verified
27 Gardiner Street (Cross-Gradient)		
West Adjacent Property	1950	• Address not listed
	1956,1960,1965,1970,1975,1980,1986,1989/90,1995/96,2000	• Residential
33 Gardiner Street (Cross-Gradient)		
West Adjacent Property	1950	• Address not listed
	1956,1960,1965,1980,1986,1989/90,1995/96,2000	• Residential
	1970,1975	• No Return
35 Gardiner Street (Cross-Gradient)		
West Adjacent Property	1950	• Address not listed
	1956,1960,1965,1970,1975,1980,1986,1989/90,1995/96,2000	• Residential
	1995/96	• Lacey Charters

Based on the down- and cross-gradient locations from the subject site, the historical operations at the south, west and east properties are not considered to be potential sources of significant contamination to the soil and/or groundwater at the subject site.

North adjacent properties were not listed in the City Directories reviewed.



HISTORICAL RECORDS REVIEWS AND ENVIRONMENTAL DATABASE SEARCHES

The subject site was listed as being occupied by the Prison for Women in 1980, 1986, and 1989/90. The historical operations at the subject site are further discussed in Section 4.1.

3.3 Fire Insurance Plans (FIPs)

Fire insurance plans (FIPs) assist in the identification of historic land use and commonly indicate the existence and location of ASTs, USTs, structures, improvements, and facility operations. FIPs were available for the years 1892, 1908 (revised in 1911), 1947 and 1963. The fire insurance plans are summarized below.

Address	Location	Description of FIP Information
40 Sir John A. MacDonald Boulevard	Subject Site	1892 FIP -Not visible on the FIPs. 1908 (rev. 1911) FIP -Not entirely visible on the FIPs. On the west side of the property there is a label indicating Wardens Grounds. To the west of the grounds is a 20 ft. high stone wall. 1947 FIP - Not visible on the FIPs. 1963 FIP - Not visible on the FIPs.
511 and 535 Union Street	Adjacent to the north of the Phase I Property	1892 FIP -Not visible on the FIPs. 1908 (rev. 1911) FIP -Not visible on the FIPs. 1947 FIP - Not visible on the FIPs. 1963 FIP - Not visible on the FIPs.
548 and 550 Union Street 15,17,19,21, 25,27,33,35 Gardiners Street 585 King Street	Adjacent to the west of the Phase I Property	1892 FIP -Not visible on the FIPs. 1908 (rev. 1911) FIP -There are seven small buildings located to the west of the Phase I Property. 1947 FIP -There are ten small buildings located to the west of the Phase I Property. 1963 FIP - Not visible on the FIPs.
555 and 560 King Street	Adjacent to the south of the Phase I Property	1892 FIP -Not visible on the FIPs. 1908 (rev. 1911) FIP -Not entirely visible on the FIPs. Listed as Kingston Penitentiary Grounds. 1947 FIP - Not visible on the FIPs. 1963 FIP - Not visible on the FIPs.



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Address	Location	Description of FIP Information
525 King Street	Adjacent to the east of the Phase I Property	1892 FIP -Not visible on the FIPs. 1908 (rev. 1911) FIP -Not visible on the FIPs. 1947 FIP - Not visible on the FIPs. 1963 FIP - Not visible on the FIPs.

3.4 *Property Underwriters' Reports and Plans*

XCG contacted Opta to search for available Property Underwriters' Reports (PUR) and plans for the subject site. According to Opta, no PURs or Site Plans were available for review.

3.5 *Aerial Photographs*

Aerial photographs were reviewed to generally document the development of the site and properties in the vicinity of the site, and to identify potential on-site solid waste disposal areas. XCG reviewed aerial photographs dated 1924, 1953, 1966, 1978, 1990, 2004, and 2015.

Summary of Aerial Photographs Reviewed

Date	Subject Site Description	Surrounding Area Comments
1924	The subject property appears vacant, with what appears to be a wall surrounding the property. Due to the angle and scale of the photo, specific details could not be discerned.	The adjacent property to the north appears vacant. The adjacent properties to the east and west appear vacant, with trees and heavy vegetation visible. To the south, the property appears similar to the Kingston Penitentiary that was observed at the time of the site visit.
1953	The subject property appears developed, with one elongate building. There appears to be a wall surrounding the north portion of the property. The extra southwest parcel of the property appears to be a separate area that is covered by trees along the south boundary. Due to the scale of the photo, specific details could not be discerned.	Vacant undeveloped land to the north. The adjacent properties to the west appear to be vegetated, with a few small dwellings visible. To the east, there are a few dwellings visible, and a rectangular area, which appears to be landscaped. The adjacent property to the southeast appears to have one building, surrounded by trees. To the south, the property appears similar to Kingston Penitentiary that was observed at the time of the site visit.
1966	Similar to the 1953 aerial photograph. There is an additional building to the north, which is attached to the original building that was visible in the 1953 photograph by a narrow part of the building. A small building, the size of a residential dwelling, was located to the south of the building that was visible in the 1953 photo. A cleared area, which may be used as a sports court is visible. The southwest parcel of the property is developed and appears to be used as a yard for the adjacent property to the east.	North, south and west adjacent properties appear similar to the 1953 aerial photograph. To the east, a parking lot is visible. There are also residential dwellings visible.



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Date	Subject Site Description	Surrounding Area Comments
1978	There is an addition on the north side of the building that was visible in the 1953 photo. No other significant changes, compared to the 1966 aerial photograph, were noted.	Adjacent properties to the south and west appear similar to the 1966 aerial photograph. The adjacent property to the north appears developed with large attached institutional buildings which appear similar to what was observed to be part of Queen's University at the time of the site visit. There is a parking lot on the south portion of the property. The parking lot on the east adjacent property has been extended since the 1966 aerial photograph. The adjacent property to the southeast appears to have a larger parking area surrounding the building.
1990	A new addition was constructed on the west side of the previously constructed addition located on north side of the building. Another addition was constructed on the south side of the building. The sports court on the southeast corner of the property is no longer visible. There is a smaller building visible along the east property boundary. A new sports court is visible in the northwest corner of the property. The dwelling to the south of the main building appears to have been demolished. There is a dwelling slightly to the west that is similar in size to the dwelling that was demolished.	Adjacent properties to the north, south, east and west appear similar to the 1978 aerial photograph. A new square building was constructed in the northeast corner of the adjacent property to the southeast.
2004	Similar to the 1990 aerial photograph. One of the paved court areas has been removed. There appears to be a new small building the size of a small dwelling or shed located on the extra southwest parcel of the property.	Similar to the 1990 aerial photograph.
2015	The two additions to the north have been taken down, however the small portion which is currently the electrical room remains visible. The building along the east property boundary has also been taken down. Some of the paths/roadways surrounding the building have become overgrown by grass. The wall surrounding the property is no longer visible. The building appears similar to what was observed at the time of the site visit.	Similar to the 2004 aerial photograph.

No evidence of potential on-site solid waste disposal areas was identified on the reviewed aerial photographs.

3.6 *Previous Investigation and Assessment Reports*

As part of this Phase I ESA, XCG reviewed the following reports previously prepared for the subject site:

- Jacques Whitford, 2004, "Phase I Environmental Site Assessment Report, Kingston Prison For Women – Extra Parcel, 40 Sir John A. MacDonald, Kingston, Ontario K7M 1A1," dated March 8, 2004, prepared for Canada Lands Company CLC Limited (Referred to in this report as "Extra Parcel Phase I ESA Report");



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- Jacques Whitford, 2004, “Limited Phase II Environmental Site Assessment, 40 Sir John A. MacDonald, Kingston, Ontario,” dated April 22, 2004, prepared for Canada Lands Company CLC Limited (Referred to in this report as “Limited Phase II ESA Report”);
- Jacques Whitford, 2004, “Supplemental Phase II Environmental Site Assessment, Kingston Prison for Women,” dated September 9, 2004 (Referred to in this report as “Supplemental Phase II ESA Report”);
- Jacques Whitford, 2005, “Phase III Delineation Environmental Site Assessment, Kingston prison for Women,” dated January 13, 2005 (Referred to in this report as “Phase III ESA Report”); and
- Jacques Whitford, 2008, “Final Report: Soil Remediation Excavation, Former Kingston Prison for Women, 40 Sir John A. MacDonald Blvd., Kingston, Ontario,” dated February 5, 2008, prepared for Canada Lands Company CLC Limited (Referred to in this report as the “Remediation Report”).

Please see below for a brief summary of each report, followed by an overall summary paragraph at the end of this section.

Jacques Whitford, 2004, “Phase I Environmental Site Assessment Report, Kingston Prison For Women – Extra Parcel, 40 Sir John A. MacDonald, Kingston, Ontario K7M 1A1,” dated March 8, 2004, prepared for Canada Lands Company CLC Limited.

The Extra Parcel Phase I ESA investigation pertained only to the southwestern corner of the subject property. A single 70 square metre (m²) maintenance shed of slab on grade construction and serviced with electricity, natural gas, water, and sewer was identified.

Findings of potential concern included a spill of 10 litres of hydraulic fluid from a garbage truck in 1993 and releases from USTs on an adjacent property in 1990. The garbage truck spill is not considered a source of significant impact based on the quantity and the fact that the spill occurred to the ground surface, which would have allowed for clean-up.

The USTs referenced were assumed to be those present on the adjacent property to the east, which is the Correctional Service of Canada Museum property. The actual number of USTs was not confirmed: the TSSA had a record for one 4,546-litre diesel UST, the 2002 Aqua Terre report identified three USTs - two containing heating oil and one containing diesel fuel, and Mr. Westendorp reported five USTs.

Based on the location of the USTs directly adjacent to the subject property, the historical operation of these USTs is considered a potential source of significant impacts to the site.

Jacques Whitford, 2004, “Limited Phase II Environmental Site Assessment, 40 Sir John A. MacDonald, Kingston, Ontario,” dated April 22, 2004, prepared for Canada Lands Company CLC Limited.

The limited Phase II Investigation included advancement of nine boreholes BH04-1 to BH04-5, and BH04-7 to BH04-10. Soil samples from these boreholes were submitted for analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX), total petroleum



hydrocarbons (TPH), metals, and general inorganics. Three composite soil samples were also submitted for analysis of polycyclic aromatic hydrocarbons (PAHs).

Jacques Whitford, 2004, "Supplemental Phase II Environmental Site Assessment, Kingston Prison for Women," dated September 9, 2004.

The objectives of the Supplemental Phase II ESA were to assess the applicability of the shallow soil property designation, further delineate soil impacts identified during the Limited Phase II ESA, and to investigate groundwater conditions across both the P4W and Extra parcels.

The field investigation program included advancement of nine test pits (TP04-1 to TP04-6 and TP04-8 to TP04-10) and five boreholes (MW04-1 and MW04-3 to MW04-6). The boreholes were instrumented as monitoring. Soil and groundwater samples were submitted for analysis of BTEX, petroleum hydrocarbons (PHCs) (Fractions F1 to F4), and metals. Eight soil samples were also submitted for the toxicity characterization leachate procedure (TCLP) analysis of BTEX, PHCs (F1-F4), and metals.

Jacques Whitford, 2005, "Phase III Delineation Environmental Site Assessment, Kingston prison for Women," dated January 13, 2005.

The objectives of the Phase III ESA were to further assess applicability of the "Shallow Soil Property" designation and to further delineate soil impacts identified in the Limited Phase II ESA and Supplemental Phase II ESA investigations.

Field investigation consisted of drilling six boreholes (BH04-13 to BH04-18) and advancement of seventeen test pits (TP04-11 to TP04-27). Three shallow soil probes were collected within a 1 m radius of each of BH04-19, BH04-20, and BH04-21. Each set of three samples were composited and submitted for analysis. The soil samples were submitted for laboratory analysis of PHCs (F2-F4), metals, electrical conductivity, and PAHs.

Jacques Whitford, 2008, "Final Report: Soil Remediation Excavation, Former Kingston Prison for Women, 40 Sir John A. MacDonald Blvd., Kingston, Ontario," dated February 5, 2008, prepared for Canada Lands Company CLC Limited.

The Remediation Report indicates that Jacques Whitford (JW) completed a number of subsurface investigations of the subject site in 2004 (i.e. the same investigations that are described in the reports summarized above). Three areas of environmental concern (AECs) were identified by JW where one or more metals were found to exceed applicable standards at the time of the historical investigation. The Remediation Report documents excavations in each AEC and confirmatory soil sampling conducted within three excavations. The excavations were completed between November 28, 2007 and January 14, 2008. Approximately 3,770 tonnes of metal-impacted soils were removed from the subject site and disposed as non-hazardous waste at the WSI landfill in Ottawa (formerly Navan), Ontario. A total of 11 confirmatory samples were collected from the AEC1 excavation, six from the AEC2 excavation, and 10 from the AEC3 excavation.

Following the review of the five above reports, XCG compared the analytical results of the Phase II investigations to the 2011 Table 3 and Table 7 Standards. The historical



analysis of the TPH fractions of gasoline/diesel and heavy oils were compared to the PHCs (F1 to F4).

Taking into account areas that were excavated as documented in the Remediation Report, the following soil sampling locations have concentrations of certain parameters above the 2011 Table 3 and Table 7 standards:

- BH04-2 GS-1 [0 – 0.76 metres below ground surface (bgs)]: total xylenes;
- MW04-6 SS-4 (1.8-2.4 metres bgs): lead;
- TP04-3 GS-4 (2.8 metres bgs): lead; and
- TP04-22 Composite (0.04 – 1.3 metres bgs): lead and zinc.

Additional samples collected as part of the Phase III ESA confirmed that the following exceedances identified as part of the Phase II investigations could be discounted:

- BH04-10 GS-1 (0 – 0.76 metres bgs): PHCs (F1 to F4) – composite sample BH04-19 was collected within 1 metre radius (Phase III ESA Report) – concentrations of PHCs (F2, F3 and F4) were below detection limits and below applicable standard. PHC (F1) was not analyzed in the composite sample and, therefore, remains an outstanding concern.
- MW04-5 SS-1 (0 – 0.6 metres bgs): lead – composite sample BH04-21 was collected within 1 metre radius (Phase III ESA Report) – concentration of lead was below applicable standard.
- TP04-9 GS-1 (0.75 metres bgs): EC - composite sample BH04-20 was collected within 1 m radius (Phase III ESA Report) – EC was below applicable standard.

XCG compared the analytical results of the 2007/2008 confirmatory samples to the 2011 Table 3 Standards. The following final confirmatory samples have concentrations of metals that exceed the current applicable standards:

- AEC1 floor sample F1 (barium) and wall samples EW SA4 (lead), EW SA8 (lead), and WW SA2 (barium);
- AEC2 wall samples WW SA1 (lead) and NW SA2 (lead); and
- AEC3 wall samples WW SA1 (mercury), WW SA2 (mercury), and SW SA6 (mercury).

A pH value of 10.48 was identified in a soil sample in BH04-9. This area was excavated as part of the 2008 remediation (AEC1). However, confirmatory samples were not analyzed for pH.

A total of six composite soil samples were submitted for PAHs analysis. Some PAHs were detected but were below applicable standards in two samples and another sample had method detection limits (MDLs) above the 2011 Table 3 and Table 7 Standards.

Groundwater samples were collected from five on-site monitoring wells and analyzed for BTEX, PHCs, metals, and conductivity. Concentrations of all analyzed parameters were below the 2011 Table 3 and Table 7 standards with the exception of PHC (F3) in



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one monitoring well (MW04-6), which exceeded the 2011 Table 3 and Table 7 standards.

3.7 **Environmental Databases**

XCG contracted EcoLog ERIS Ltd. (EcoLog) to conduct a search of available federal, provincial, and private environmental databases for the site and surrounding 250 metres. Based on the location of the site, the database searches were completed to assist in the identification of environmental conditions at the site and on adjacent properties. A summary of actual or potential sources of contamination identified to be associated with the subject property is provided in the following table. The significance of the identified actual or potential sources was evaluated based on the details of the database information provided, the separation distance from the subject property, and location relative to the subject property based on the inferred direction of groundwater flow (up-gradient/down-gradient). The database search report is included in Appendix C.

Summary of Actual or Potential Sources of Contamination Associated with the Subject Property Based on Database Searches

Occupant(s)	Potential Sources of Contamination	Data Source Reference	Evaluation of Significance
40 Sir John A. MacDonald Boulevard – Subject Site			
Correctional Service Canada	Registered waste generator of Pharmaceuticals and Pathological Wastes between 1997-2001.	Ontario Regulation 347 Waste Generators Summary	Not considered a source of significant impact to the subject site based on lack of spills identified.
Prison for Women	One 4,546-litre capacity diesel fiberglass single wall UST.	Fuel Storage Tank	Considered a potential source of significant impact based on potential for leaks or spills from underground tanks.
	One historical 4,546-litre capacity diesel fiberglass single wall UST.	Fuel Storage Tank Historic	
	One historical 4,546-litre capacity diesel fiberglass single wall UST.	Fuel Storage Tank Historic	
	One 4,546-litre capacity private fuel storage tank.	Private and Retail Fuel Storage Tank	
	On August 8, 1993, 10 litres of hydraulic fluid were spilled to the parking lot from a garbage truck pipe/hose leak.	Ontario Spills	Not considered a source of significant impact based on the quantity and the fact that the spill occurred to the ground surface, which would have allowed for clean-up.
555 King Street West – Adjacent property down-gradient to the south of the Phase I Property			
Correctional Service of Canada – Kingston Penitentiary	One 9,092-litre capacity gasoline single wall UST.	Fuel Storage Tank	Not considered a source of significant impact to the subject site based on inferred groundwater flow direction to the south.
	One historic 9,092-litre capacity gasoline single wall UST, associated with a private fuel outlet.	Fuel Storage Tank Historic	
	One private 9,092-litre capacity fuel storage tank.	Private and Retail Fuel Storage Tank	



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Occupant(s)	Potential Sources of Contamination	Data Source Reference	Evaluation of Significance
	On November 6, 2001, equipment failure cause sewage to seep out of the ground and into Lake Ontario.	Ontario Spills	
	Askarel stored for disposal.	National PCB Inventory	
Kingston Penitentiary	On August 2, 1994, oily runoff from an oil-sealed driveway entered Lake Ontario.	Ontario Spills	
	On April 2, 1990, there was an underground tank leak of furnace oil.		
	On December 23, 1999, 18 litres of furnace oil was spilled to the pavement and cleaned.		
560 King Street West – Adjacent property to the south			
Federal Government of Canada	Possible raw sewage spilled to Lake Ontario.	Ontario Spills	Not considered a source of significant impact to the subject site based on the nature and the location of the spill.
	Sewer line burst to stormsewer.		
431-C01 Isabel MacNeil House – Approximately 70 metres southeast of the Phase I Property			
Isabel MacNeil House	Isabel MacNeil House Historical Use of Lead Base Paint. Metal, metalloid and organometallic contamination	Contaminated Sites on Federal Land	Not considered a source of significant impact to the subject site based on the location with respect to the subject site and the nature of environmental concern.

3.8 Regulatory Agency Records

On-site personnel were not aware of any regulatory agency concerns, complaints, notices of violation, or directions that have been issued against the site.

XCG has submitted a request to the MECP under the FOI Act for information regarding any past complaints, violations, and/or MECP directives concerning the subject site. A letter dated September 23, 1998 indicated that 40 Sir John A. MacDonald Boulevard was a registered waste generator of pharmaceuticals and pathological wastes.

A customer service advisor with the TSSA reported to XCG that the TSSA database contained a record for one active fuel-related UST at the subject site. XCG has submitted a requested additional documentation regarding this tank. A customer service advisor with the TSSA reported to XCG that there is currently a 120-day turnaround time for the additional documentation. This information will be included in the final report. Copies of correspondence with Regulatory Agencies are included in Appendix D.

Current or historical on-site operation of a fuel-related UST represents a potential source of significant impacts to the subject site.



4. SITE VISIT

On April 20, 2018, Ms. Caroline Keddy of XCG visited the building and related property that comprise the subject property. During the site visit, XCG completed a walk-through of the site and on-site structures, review of relevant site records made available to XCG, visual observations of adjacent properties as viewed from subject site and surrounding public roadways, and interviews with individuals associated with the site.

Key features of the subject property, including the layout of the industrial building and surrounding neighbouring properties, are illustrated on Figure 1. Photographs taken during the site visit are provided in Appendix E.

4.1 Site Operations

At the time of the site visit, the subject property was developed with one, irregular shape, three-storey institutional building with a one-storey service area to the north of the building. The subject building was vacant and not in use at the time of the site visit. The subject property has been owned by Queen's University since 2008. During the time the property has been owned by Queen's University, it has been used for Kingston Police exercises, storage/disposal of snow collected from sidewalks, parking lots and curbs around the City of Kingston, and other miscellaneous storage of surplus wood beams, electrical cable, and assistive devices (wheelchairs, canes, crutches).

The snow disposal has the potential to have resulted in elevated sodium and chloride concentrations in the groundwater, electrical conductivity and sodium adsorption ration (SAR) levels in the soil, as well as metals and PHCs impacts in soil and groundwater.

Historically, the building was used as a prison for women between 1933 and 2000. The building was built over the course of several years, between 1925-1933. The west-central portion of the building consists of cells, along with an administration area on the east portion and service area/electrical room to the north. There is an automotive garage located on the south side of the building which was presumed to be a part of inmate trade training.

Based on the information provided by site personnel and observations made by XCG during the site visit, on-site operations conducted by Queen's University include:

- Kingston Police Exercises;
- Exterior snow storage; and
- Interior wood beam, electrical cable, and assistive device storage.

According to site personnel and based on XCG's observations during the site visit, there is an automotive garage inside the building. It is understood that this was used in the context of vocational training. It is unknown what type of specific activities were conducted when it was in use.



4.2 Stormwater

Based on information provided by site personnel and observations made during the site visit, the stormwater runoff from the building roof discharges onto the ground surface. Stormwater runoff collecting on the grassed and gravel portions of the property are expected to infiltrate the ground surface. Stormwater runoff collecting on the asphalt-paved area to the northwest is directed by surface grading toward the perimeter of the site and ultimately to the stormwater catch basins located on Union Street.

Site personnel were not aware of any sampling and chemical analysis of the stormwater discharges from the subject site, or any stormwater quality concerns associated with the subject site or on-site operations.

4.3 Floor Drains, Pits, and Sumps

The presence of floor drains, pits, and sumps was investigated by XCG through observations made during the site visit and discussions with site personnel. At the time of the site visit, floor drains were observed in the former automotive shop and in the cell block. At the time of the site visit, no staining or odour was observed on the floor surface surrounding the floor drains. According to site personnel, the floor drains are presumed to discharge to the Kingston Penitentiary septic system located downgradient from the subject site.

At the time of the site visit, XCG observed one pit in the steam pipe room. No sheen or odour was observed on the surface, however there was limited lighting in the area and visibility was poor. No other floor drains, pits, or sumps were observed.

4.4 Wastewater/Sewers

According to site personnel, there is currently no wastewater generated at the subject site. Historic wastewater generated includes domestic wastewater from the facility washrooms and sinks and wastewater from the service garage. Potable water was historically provided to the subject site by Kingston Penitentiary and wastewater was discharged to the septic system at Kingston Penitentiary, located downgradient to the south of the subject site. When the property was purchased by Queen's University it was serviced by Utilities Kingston. It is unknown what year this conversion took place.

Site personnel were not aware of any monitoring of the sanitary sewer effluent by any government agency or any infractions of the sewer use by-law pertaining to site operations.

4.5 Underground Storage Tanks (USTs)

Based on discussions with site personnel, there are no active or inactive USTs located on the subject site, and no USTs have historically been owned or operated at the subject site to their knowledge. At the time of the site visit, no physical evidence suggesting the presence of any on-site USTs (e.g. vent pipes, fill pipes, etc.) was observed by XCG.

As previously discussed in Section 3.7, the ERIS database has records of a 4,546-litre capacity diesel fiberglass single wall UST and one 4,546-litre capacity private fuel



storage tank. As discussed in Section 3.8, the TSSA reportedly has a record for one active fuel-related UST being associated with the subject site.

Current or historical on-site operation of a fuel-related UST represents a potential source of significant impacts to the subject site.

4.6 Aboveground Storage Tanks (ASTs)

According to site personnel, there are no ASTs located at the subject site. At the time of the site visit, no physical evidence suggesting the presence of ASTs was observed by XCG.

Site personnel indicated that one Correctional Service Canada drawing referenced a propane AST that historically was present on-site. No additional information was available.

Based on discussions with facility personnel, there are no other active or inactive ASTs located on-site, and no other ASTs have historically been owned or operated at the site to their knowledge.

4.7 Chemicals/Raw Materials Use and Storage

Based on discussions with site personnel and observations made by XCG during the site visit, chemicals currently used and stored on the subject site include:

- Paint;
- General cleaning supplies;
- Wood beam storage;
- Electrical cable storage;
- Mineral lube; and
- Trap-O-Zym (living bacteria and enzyme implant for grease traps and waste digestion).

Paint, semi-gloss, Trap-O-Zym and some general cleaning supplies were observed in one facility washroom. Mineral lube was observed in the steel pipes room. The interior liquid chemical storage areas were not equipped with secondary spill containment, however, no evidence of significant liquid spillage releases was noted. Site personnel were not aware of, and XCG did not observe any floor drains being present in the vicinity of the chemical storage areas.

It is possible that other automotive chemicals, fuels and oils were stored in the auto garage during the time that it was in operation, however, site personnel were not aware of whether this occurred. Floor drains located in the automotive garage historically discharged to the septic system located downgradient on the Kingston Penitentiary property to the south. Once the septic system was removed, the floor drains discharged to the municipal sewer.

4.7.1 Chemical Spills/Releases

According to site personnel no significant spills or releases have occurred at the site during the time it was owned by Queen's University. At the time of the site visit, XCG observed minor staining in the utility room in the vicinity of a floor drain. Site



personnel were not aware of what the staining is caused by. XCG did not observe any evidence of significant spills or releases; however, a detailed inspection of the mechanical and service corridor was not possible due to access restrictions and poor lighting conditions.

No evidence of significant surface staining indicative of historic releases was observed on exterior surfaces inspected by XCG; however, a detailed inspection of the exterior ground surfaces of the subject site was not possible due to slight snow cover.

4.8 Solid Waste

Based on discussions with site personnel and observations made by XCG, there is no solid waste currently generated at the subject site.

At the time of the site visit, no solid waste bins were observed. Miscellaneous waste, including building debris and bullet shells, was observed throughout the building.

Site personnel stated that, to their knowledge, no solid wastes have been disposed of on subject site. No evidence of on-site solid waste burial was observed by XCG.

4.9 Fill Materials

Fill material composition and source location are considerations in determining whether environmental concerns are present. Site personnel indicated that fill was placed to level the site following the selective demolition of the additions on the north side of the building in order to level the site. The remnants of the walls may have been graded on site, with a thin layer of topsoil placed atop the fill. The source of the fill, as well as the quantity is unknown and therefore presents a potential source of significant environmental impact.

4.10 Hazardous/Subject Waste Management

According to information provided by site personnel and review of the MECP HWIN database, the subject site is not currently registered as a Generator of Subject Wastes.

Based on information provided by site personnel and observations made during the site visit, no subject wastes or hazardous wastes are currently generated at the subject site.

The subject site was historically registered as a waste generator of pharmaceuticals and pathological wastes between 1997-2001.

Site personnel were not aware of any on-site disposal of regulated or hazardous waste. No evidence of on-site regulated or hazardous waste disposal was observed by XCG at the time of the site visit.

4.11 Air Emissions

Based on information provided by facility personnel and observations made by XCG, no air emission sources are anticipated at the subject site.



4.12 Designated Substances and Special Attention Items

4.12.1 Asbestos Containing Materials (ACMs)

The presence of ACM at the subject site was investigated through observations made by XCG and through discussions with site personnel.

Facility personnel were unaware of an asbestos survey or monitoring for the presence of airborne asbestos fibres having been conducted at the subject site. Potential ACMs observed in the buildings included ceiling tile and floor tile. The ceiling tile and floor tiles were observed to be in good condition and, even if ACM, should pose no health hazard unless disturbed.

No intrusive investigations were conducted by XCG to examine areas of concealed space for the presence of ACM and, as such, additional potential or actual ACM may be present in areas not accessible to XCG during the site visit.

4.12.2 Polychlorinated Biphenyls (PCBs)

According to site personnel and based on XCG's observations, no PCBs are known to be used or stored on the subject site. Based on the age of the building (circa 1925) with several additions built later, PCBs may be present within fluorescent light ballasts.

During the site visit, self-ballasted lighting fixtures were observed throughout the building. The fixtures were not inspected by XCG for the presence of PCBs and electricity was not provided to the building at the time of the site visit in order to assess whether the lights were functional. A pad-mounted transformer is located on the north side of the building. No information pertaining to this transformer was available to XCG for review; however, it is unlikely that this transformer is PCB-containing.

4.12.3 Lead-Based Paints

The presence of lead-based paints at the subject site was investigated through observations made by XCG and through discussions with site personnel.

Facility personnel were unaware of a lead-based paint survey having been conducted at the subject site. Potential lead-based paints were observed on the interior walls of the office area and cell blocks. Painted surfaces were observed to have substantial evidence of peeling and flaking and present a potential health hazard.

In addition, leftover bullets were observed from Kingston Police training exercises, which indicates the potential for lead-related impacts from the bullets.

4.12.4 Ozone Depleting Substances - Chlorofluorocarbons

Based on discussions with site personnel and observations made by XCG during the site visit, equipment potentially containing CFCs identified at the subject site was limited to a heating, ventilation, and air conditioning (HVAC) unit installed near the northwest corner of the building. Even if CFC-containing, the HVAC unit is not interpreted to represent a significant environmental liability.

**4.12.5 Urea Formaldehyde Foam Insulation (UFFI)**

The presence of UFFI at the subject site was investigated through observations made by XCG and through discussions with site personnel.

Facility personnel were unaware of an UFFI survey or monitoring for the presence of formaldehyde vapours having been conducted at the subject site. No UFFI was observed at the time of the site visit.

No intrusive investigations were conducted by XCG to examine areas of concealed space for the presence of UFFI and, as such, additional potential or actual UFFI may be present in areas not accessible to XCG during the site visit.

4.12.6 Mercury

The presence of mercury at the subject site was investigated through observations made by XCG and through discussions with site personnel.

Site personnel were unaware of any significant amounts of mercury being present at the subject site. Small quantities of mercury are likely present inside the various electrical switches and high intensity discharge (HID) lighting observed inside in the building.

4.12.7 Mould and Water Damage

The presence of mould at the subject site was investigated through observations made by XCG and through discussions with site personnel.

XCG observed pooled water at the top of the stairs near the cell block. Mould was also observed on a bathroom door. No intrusive investigations were conducted by XCG to examine areas of concealed space and no sampling for mould or destructive investigations (e.g. cutting drywall to inspect wall cavities) was conducted. As such, additional potential or actual mould may be present in areas not accessible to XCG during the site visit.

4.13 Ionizing Radiation and Radon Gas

According to site personnel, the facility has not used any ionizing sources of radiation in plant operations. No radiation sources were observed by XCG during the site visit. Site personnel were unaware of any radon gas testing having been conducted at the subject site.

4.14 Adjacent Property Use

The properties adjacent to the subject site were visually inspected, without accessing the properties, for evidence of existing or potential environmental concerns related to the Phase I ESA. Historical operations conducted on the adjacent properties were previously discussed in Section 3.

The following presents a summary of observations made by XCG with regard to the current operations and land uses on the adjacent properties.



Summary of Adjacent Current Property Use

Location	Property Use/ Occupant	Observations	Elevation Relative to Subject Site
Adjacent properties to the north (up-gradient)			
511 and 535 Union Street	Institutional Queen's University	Campus building with parking lot.	Similar elevation as the subject site.
Adjacent property to the east – (cross-gradient)			
525 King Street	Correctional Services Canada	Residential home that appears to be converted to office space. There is a two door garage with storage outside. To the north of the garage is a long parking lot.	Similar elevation as the subject site.
Adjacent properties to the south – (down-gradient)			
560 King Street	Institutional Kingston Penitentiary	Large institutional penitentiary.	Lower elevation than the subject site.
555 King Street	Correctional Service of Canada Museum	Former warden's residence converted to museum.	Lower elevation than the subject site.
Adjacent property to the west – (cross-gradient)			
548 and 550 Union Street	Residential	Attached residential homes.	Similar elevation as the subject site.
15, 17, 19, 21, 25, 27, 33, 35 Gardiner Street	Residential	Residential homes	Lower elevation than the subject site.
585 King Street	Residential	Residential home. There is a retaining wall on the east side of 585 King Street.	Lower elevation than the subject site.

Site personnel were not aware of any adverse environmental impact to the site from the adjacent properties. No visual evidence of adverse environmental impact to the subject site from the adjacent properties was observed by XCG at the time of the site visit.



5. LIMITATIONS AND CONCLUSIONS

5.1 Limitations

This Phase I ESA was prepared in general accordance with the CSA Phase I ESA Standard Z768-01. This Phase I ESA focuses on identifying sources of actual and potential significant contamination on the subject property and it is not a compliance audit. Based on discussions with the Client, and XCG's understanding of the Client's environmental risk tolerance, significant contamination means environmental site impairment issues that would affect the planned future use of the property for mixed commercial and residential purposes.

The findings and conclusions regarding sources of significant contamination to the subject property provided in this report are based solely on the extent of observations and information gathered during the Phase I ESA. As such, XCG cannot be held responsible for environmental conditions at the property that were not apparent from the available information.

This Phase I ESA is not a compliance and is not intended to be a detailed audit of all past or current operations. No sampling or chemical analysis of air, soil, water, or other material was undertaken as part of this assessment. As such, detailed building inspections and subsurface investigations in subsequent phases or studies may encounter conditions not apparent at this time.

The scope of this report is limited to the matters expressly covered. This report is prepared for the sole benefit of Siderius Developments Ltd. for due diligence purposes as part of the purchase of the property and may not be relied upon by any other person or entity without the written authorization of XCG Consulting Limited. Any use or reuse of this document (or the findings and conclusions represented herein), by parties other than those listed above, is at the sole risk of those parties.

5.2 Conclusions

Based on the results of the Phase I ESA, including the site visit, information provided by persons knowledgeable about the subject property, records reviewed, the historical review of the subject property, and pending receipt and review of additional information as identified herein, the following potential or actual sources of significant contamination, as defined above, were identified to be associated with the subject site:

Site Operations

XCG is aware that a relatively small area located in the western portion of the site has at times been used for the placement of snow removed from sidewalks, parking lots and curbs around the City of Kingston during plowing in the winter. This has the potential to have resulted in elevated sodium and chloride concentrations in the groundwater, electrical conductivity and SAR levels in the soil, as well as metals and PHCs impacts in soil and groundwater.

Previous Investigation and Assessment Reports

A 2004 Phase I ESA identified releases from USTs on an adjacent property in 1990. Based on the location of the USTs directly adjacent to the subject property, the



historical operation of these USTs is considered a potential source of significant impacts to the site.

Based on a review of the most recent historical reports and data, exceedances of the 2011 MOE Table 3 Full Depth Generic Site Condition Standards in a Non-Potable Groundwater Condition and Table 7 Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition were observed in groundwater and soil for BTEX, metals, PAHs, and PHCs.

Underground Storage Tanks – Current

The ERIS Environmental Database report identified records of a 4,546-litre capacity diesel fibreglass single wall UST and one 4,546-litre capacity private fuel storage tank as well as two historical 4,546-litre capacity diesel fuel fibreglass single wall UST. The location of the USTs is unknown. A customer service advisor with the TSSA reported to XCG that the TSSA database has one record of an active fuel-related UST. Additional documentation has been requested and will be included in the final report. Releases, if any, associated with the operation of the current or historical fuel UST represents a potential impact to soil and groundwater quality at the subject site, the nature and extent of which is not currently known.

Fill Materials

Site personnel indicated that fill was placed to level the site following the selective demolition of the additions on the north side of the building. The remnants of the walls may have been graded on site, with a thin layer of topsoil placed atop the fill. The source of the fill, as well as the quantity, is unknown and therefore presents a potential source of significant environmental impact.

Designated Substances and Special Attention Items

Due to the age of the main building (constructed in 1925), it is likely to contain hazardous building materials such as asbestos and lead. These substances normally do not affect the day-to-day occupancy as long as building materials are in good condition, but become an important consideration if renovation (or demolition) is planned that may expose the hazardous materials.



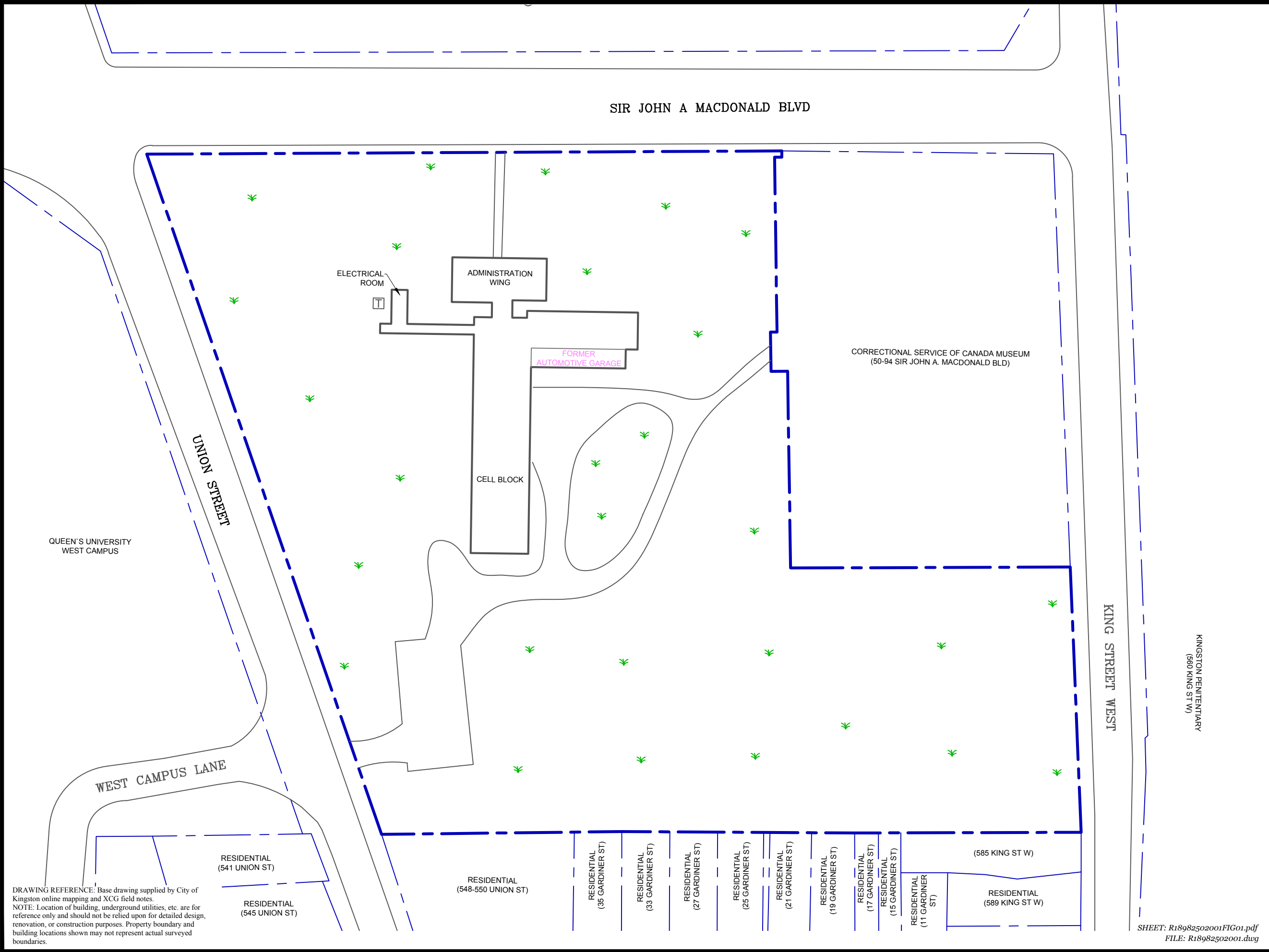
6. REFERENCES

1. Canadian Standards Association, 2001. Phase I Environmental Site Assessment - Z768-01.
2. Jacques Whitford, 2004, "Phase I Environmental Site Assessment Report, Kingston Prison For Women – Extra Parcel, 40 Sir John A. MacDonald, Kingston, Ontario K7M 1A1," dated March 8, 2004, prepared for Canada Lands Company CLC Limited.
3. Jacques Whitford, 2004, "Limited Phase II Environmental Site Assessment, 40 Sir John A. MacDonald, Kingston, Ontario," dated April 22, 2004, prepared for Canada Lands Company CLC Limited.
4. Jacques Whitford, 2004, "Supplemental Phase II Environmental Site Assessment, Kingston Prison for Women," dated September 9, 2004.
5. Jacques Whitford, 2005, "Phase III Delineation Environmental Site Assessment, Kingston prison for Women," dated January 13, 2005.
6. Jacques Whitford, 2008, "Final Report: Soil Remediation Excavation, Former Kingston Prison for Women, 40 Sir John A. MacDonald Blvd., Kingston, Ontario," dated February 5, 2008, prepared for Canada Lands Company CLC Limited.
7. Aerial Photographs from 1953, 1966, 1978, 1990, 2004, and 2015 from Kmaps online GIS.
8. EcoLog ERIS, "Database Report, 1-898-25-02, 40 Sir John A. Macdonald Blvd., Kingston, ON, K7M 2H2, Standard Report," dated March 27, 2018.
9. Ministry of Northern Development and Mines, Map 2559, entitled "Quaternary Geology – Stratford Area," 1993.
10. Ministry of Northern Development and Mines, Map 2544, entitled "Bedrock Geology of Ontario – Southern Sheet," 1991.



FIGURE

FIGURE



- LEGEND:**
- APPROXIMATE SUBJECT PROPERTY BOUNDARIES
 - - - APPROXIMATE PROPERTY BOUNDARIES
 - ▭ STRUCTURE
 - FORMER FEATURES
 - ↗ GRASSED AREA
 - ⊞ TRANSFORMER



PHASE I ESA
SITE AND SURROUNDING LAND USE PLAN

40 SIR JOHN A. MACDONALD BOULEVARD
KINGSTON, ONTARIO



DATE	JOB NO.	FIGURE NO.
JULY 2018	1-898-25-02	1

DRAWING REFERENCE: Base drawing supplied by City of Kingston online mapping and XCG field notes.
NOTE: Location of building, underground utilities, etc. are for reference only and should not be relied upon for detailed design, renovation, or construction purposes. Property boundary and building locations shown may not represent actual surveyed boundaries.

SHEET: R18982502001FIG01.pdf
FILE: R18982502001.dwg



APPENDIX A
QUALIFICATIONS OF XCG PROJECT PERSONNEL



Ms. Keddy joined the XCG team in 2014, as a Project Specialist in the Remediation Group. Her areas of specialization include environmental site assessments (ESAs), environmental monitoring, and groundwater and soil remediation. She is knowledgeable in a variety of water quality assessment techniques, using dissolved oxygen monitors, depth finders, GPS, Van Dorn water samplers, Kemmerer water samplers, secchi disk, conductivity meter, pH meter and PONAR grab sampler. Ms. Keddy is also fully bilingual.

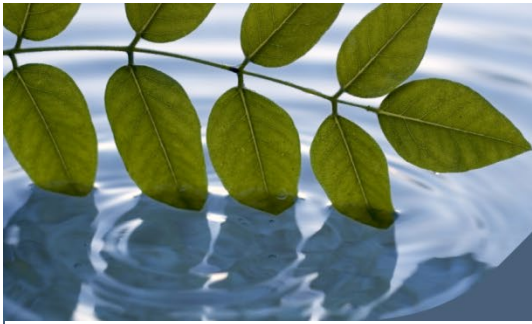
Education

- Bachelor of Science Honours: Environmental Science, Queen's University, Kingston
- Continuing Education:
 - WHMIS 2015 including the GHS for Workers and Supervisors, 2016
 - Hazardous Materials Information System (WHMIS), 2015
 - Personal Protective Equipment Training, 2015
 - Occupational Health and Safety Act and Regulations, 2014
 - AODA Customer Service Training, 2014
 - HAZWOPER Training, 2014
 - CPR-C and First Aid Certificate

Project Experience

Work Experience

- Completed Phase One and Two ESA's for the purpose of filing a Record of Site Condition.
- Regularly completes rounds of groundwater monitoring, including water level measurements, purging, and sampling programs.
- Conducted long-term environmental monitoring on a large construction site which included stormwater management, spill response, noise control, dust control and air quality monitoring, wildlife management, endangered species monitoring, soil erosion and sediment control, vegetation and grubbing monitoring, and fish and fish habitat monitoring.
- Conducted water quality sampling, response to blue-green algae complaints, and assisting in data management. Provided recommendations to land-owners experiencing an algae bloom. Evaluated and assessed Permit to Take Water applications to ensure compliance with legislation.
- Conducted field work involving water quality sampling on lakes which yielded data that was synthesized into a report on lake quality and health. Provided recommendations regarding land-use and management.
- Collected baseline data on benthos communities, fish communities (electro-fishing), fish habitat, water quality, and baseflow according to the Ontario Stream Assessment Protocol and Ontario Benthos Biomonitoring Network Protocol. Participated in site visits to landfills and industries, assessed groundwater flow and quality, air quality, and surface water quality. Reported on trends found.



Kevin Shipley, M.A.Sc., P.Eng., EP(CEA), EP, QP_{RA}

Partner

Mr. Shipley joined XCG in March 1992. He is a Senior Environmental Engineer and Partner at XCG, and leads the corporate Remediation Group. He has experience in managing and conducting a wide variety of environmental engineering projects, including risk assessments (RA), Phase I and Phase II environmental site assessments (ESAs), hydrogeological investigations, soil and groundwater remediation projects and submission of Records of Site Condition (RSCs) for filing. He also has considerable experience with other types of projects, including environmental compliance audits, ISO 14001 audits and implementations, designated substances and hazardous materials surveys (DSHMS), hazardous materials and waste management projects, health and safety plan development and implementation, environmental assessments, and water and wastewater treatment projects. Mr. Shipley has worked on hundreds of projects, including ESAs, RAs, and remediation projects, involving petroleum hydrocarbon (PHC)-contaminated sites. Mr. Shipley is designated by the Ontario Ministry of the Environment (MOE) as a Qualified Person (QP) for purposes of conducting ESAs and RAs in accordance with Ontario Regulation (O. Reg.) 153/04.

Education

- M.A.Sc., Civil Engineering, University of Waterloo, 1986
- B.A.Sc., Civil Engineering, University of Waterloo, 1985

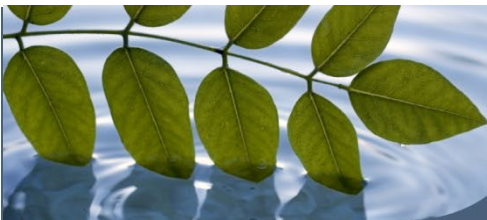
Professional Affiliations

- Registered Professional Engineer of Ontario
- Auditing Association of Canada, 1996
- Professional Engineer, 1989
- Environmental Professional Compliance Auditor [EP(CEA)], 1996
- Environmental Professional – Site Assessment and Reclamation [EP], formerly Certified Environmental Assessor of Sites [CEAS], 2003

Project Experience

Risk Assessment Projects

- Managed or conducted over 30 risk assessments addressing a wide range of contaminants in soil and groundwater, on sites that included old industrial sites, a former illegal landfill site, navigational aid facilities owned and operated by the federal Department of Fisheries and Oceans, schools, commercial properties, automotive maintenance facilities, manufacturing plants, and others. The majority of these sites had PHC contamination.
- Prepared and submitted for filing a RSC for a former industrial property used in the past for battery manufacturing and metal fabrication. XCG, under Mr. Shipley's direction as QP_{RA}, completed a Phase One ESA update, a Phase Two ESA, and a Tier 3 RA. This site had a variety of contaminants of concern, including PHCs. For this property, Mr. Shipley worked with the MOE to prepare a Certificate of Property Use (CPU). This RSC was successfully filed on the MOE Brownfields Environmental Site Registry.
- Prepared and submitted for filing a RSC for a commercial property that was to be converted for a multi-unit residential use. XCG, under Mr. Shipley's direction as QP_{RA}, completed a Phase One ESA update, a Phase Two ESA, and a Modified Generic Risk Assessment (MGRA). Mr. Shipley worked with the MOE to prepare a CPU. This RSC was successfully filed on the MOE Brownfields Environmental Site Registry.
- Acted as QP_{RA} for a risk assessment of a former aluminum casting alloy facility in Toronto. The contaminants of concern for this risk assessment included PHCs, metals, and polycyclic aromatic hydrocarbons (PAHs). On the basis of the RA and subsequent remediation, a RSC was filed for this property.
- Managed and acted as QP_{RA} for a project at a former ship building and dry dock waterfront site contaminated with PHCs, including free product hydrocarbons, as well as metals, PAHs, and volatile organic compounds (VOCs). Completed Phase One and Two ESAs, a soil vapour investigation, and a RA.



- Managed and acted as QPRA for a project at a former industrial property on the Kingston waterfront, used in the past as a grain elevator and then later for a salvage operation, that was contaminated with PHCs, metals, and PAHs. Completed Phase One and Two ESAs and a RA.
- Managed, acted as QPRA, and/or provided senior quality assurance review for many other risk assessment projects involving a variety of different contaminants and hydrogeological settings. The majority of these sites had PHCs as contaminants of concern.

Environmental Site Assessment Projects

- Managed over 200 Phase I and II ESAs of Department of Fisheries and Oceans facilities, including small craft harbors, light houses, other navigational aids, gauging stations, and coast guard stations. Most of these projects required enhanced Phase I ESAs, involving sampling of sediment, soil, and building materials, and compliance auditing.
- Participated in a project for a major bank, requiring the completion of Phase I ESAs on approximately 90 industrial, commercial, and residential properties located in Ontario and in other parts of Canada.
- In addition to the above, Mr. Shipley has completed or managed over 1,000 Phase One and Phase Two ESAs of heavy industrial, light industrial, commercial, institutional, and residential facilities, including metal fabricators, foundries, tanneries, aluminum processing/fabricating plants, industrial distribution facilities, crane and conveyor manufacturers, former furniture factories, agricultural operations, such as farms and hatcheries, auto parts operations, waste processing and recycling facilities, auto body shops, railway and road rights-of-way, municipal works yards, maintenance garages, commercial buildings, apartment buildings, restaurants, health care facilities, existing and former service stations, movie theatres, and many others. The majority of these sites had PHCs as contaminants of concern.
- Prepared and submitted for filing RSCs for approximately 20 commercial and residential sites that had been the subject of Phase One and/or Phase Two ESAs completed by XCG under Mr. Shipley's direction. These RSCs were successfully filed on the MOE Brownfields Environmental Site Registry. The majority of these sites had PHCs as contaminants of concern.

Soil and Groundwater Remediation Projects

- Managed a project for Public Works and Government Services Canada requiring the remediation of contaminated sediments in the Kingston Dry Dock. This project involved the removal of contaminated sediment from the bottom of the Kingston Dry Dock using a wet removal method and processing the sediment through polymer addition, mixing and dewatering using a filter press.
- Coordinated the decommissioning of a manufacturing plant that had been in use since the 1930s for the production of agricultural equipment, shells and other ammunition, steel office furniture, and other products. This site had extensive PHC contamination that was remediated under Mr. Shipley's direction. Groundwater containing elevated concentrations of a number of chemicals used in industrial degreasing solvents (including trichloroethylene) was found in an aquifer beneath the above site. A risk assessment was conducted to evaluate the risk to down-gradient municipal drinking water supply wells. Mr. Shipley managed the installation and operation of a pump-and-treat system, involving an advanced oxidation process (AOP) UV/oxidation unit, to address the groundwater impact.
- Managed a project at a commercial plaza involving the use of potassium permanganate sub-surface injections to chemically oxidize perchloroethylene contamination arising from the presence of a former dry cleaning operation on the property.
- Prepared and submitted for filing RSCs for approximately ten different industrial, commercial and residential properties that had been the subject of Phase One and Two ESAs and soil and groundwater remediation projects completed by XCG under Mr. Shipley's direction. These RSCs were successfully filed on the MOE Brownfields Environmental Site Registry. The majority of these sites had PHCs as contaminants of concern.
- Managed the decommissioning and remediation projects at many other sites, including former automotive maintenance facilities, municipal works yards, former industrial facilities, former service stations, institutions such as correctional facilities, residential properties with former underground heating oil tanks, and many others. The majority of these sites had PHCs as contaminants of concern.



APPENDIX B
CITY DIRECTORIES



City Directory Information Source

Polk's Kingston, Ontario City Directory

PROJECT NUMBER: 20180606175	
Site Address:	40 Sir John A. Macdonald Boulevard, Kingston, ON
Year: 2000	
Site Listing:	-Government of Can Correctional Serv
Adjacent Properties:	
466 Union Street (West)	-Faculty of Education Mc Arthur Hall
511 Union Street (West)	-Address Not Listed
535 Union Street (West)	-Address Not Listed
548 Union Street (West)	-Residential (1 Tenant)
550 Union Street (West)	-Residential (3 Tenants)

525 King Street (West)	-Isabel McNeill House
555 King Street (West)	-Government of Can Correction Serv
560 King Street (West)	-Address Not Listed
585 King Street (West)	-Residential (2 Tenants)
15 Gardiner Street	-Residential (1 Tenant)
17 Gardiner Street	-Not Verified
19 Gardiner Street	-Friendship Homes
21 Gardiner Street	-Friendship Homes
25 Gardiner Street	-Not Verified
27 Gardiner Street	-Multi-Tenant Residential
33 Gardiner Street	-Multi-Tenant Residential
35 Gardiner Street	-Residential (1 Tenant)

PROJECT NUMBER: 20180606175	
Site Address:	40 Sir John A. Macdonald Boulevard, Kingston, ON

Year: 1995/96	
Site Listing:	-Government of Can Correctional Serv
Adjacent Properties:	
466 Union Street (West)	-Faculty of Education Mc Arthur Hall
511 Union Street (West)	-Address Not Listed
535 Union Street (West)	-Address Not Listed
548 Union Street (West)	-Residential (4 Tenants)
550 Union Street (West)	-Residential (2 Tenants)
525 King Street (West)	-Address Not Listed
555 King Street (West)	-Government of Can Correction Serv
560 King Street (West)	-Address Not Listed
585 King Street (West)	-Residential (3 Tenants)
15 Gardiner Street	-Residential (1 Tenant)

17 Gardiner Street	-Address Not Listed
19 Gardiner Street	-Not Verified
21 Gardiner Street	-Not Verified
25 Gardiner Street	-Residential (1 Tenant)
27 Gardiner Street	-Residential (2 Tenants)
33 Gardiner Street	-Residential (1 Tenant)
35 Gardiner Street	-Lacey Charters -Residential (1 Tenant)

PROJECT NUMBER: 20180606175	
Site Address:	40 Sir John A. Macdonald Boulevard, Kingston, ON
Year: 1989/90	
Site Listing:	-Government of Can Kingston Prison for Women
Adjacent Properties:	
466 Union Street (West)	-Faculty of Education Mc Arthur Hall
511 Union Street (West)	-Address Not Listed

535 Union Street (West)	-Address Not Listed
548 Union Street (West)	-Residential (3 Tenants)
550 Union Street (West)	-Residential (3 Tenants)
525 King Street (West)	-Correctional Service of Canada
555 King Street (West)	-Government of Can Regional Treatment Centre -Govt of Can Kingston Penitentiary
560 King Street (West)	-Address Not Listed
585 King Street (West)	-Residential (1 Tenant)
15 Gardiner Street	-Residential (1 Tenant)
17 Gardiner Street	-No Return
19 Gardiner Street	-Kingston Friendship Homes
21 Gardiner Street	-Kingston Friendship Homes
25 Gardiner Street	-Residential (1 Tenant)
27 Gardiner Street	-Residential (1 Tenant)

33 Gardiner Street	-Residential (1 Tenant)
35 Gardiner Street	-Residential (1 Tenant)

PROJECT NUMBER: 20180606175	
Site Address:	40 Sir John A. Macdonald Boulevard, Kingston, ON
Year: 1986	
Site Listing:	-Kingston Prison for Women
Adjacent Properties:	
466 Union Street (West)	-McArthur College
511 Union Street (West)	-Address Not Listed
535 Union Street (West)	-Address Not Listed
548 Union Street (West)	-Residential (4 Tenants)
550 Union Street (West)	-Residential (3 Tenants)
525 King Street (West)	-Correctional Service of Canada
555 King Street (West)	-Regional Treatment Centre

	-Kingston Penitentiary
560 King Street (West)	-Address Not Listed
585 King Street (West)	-Residential (1 Tenant)
15 Gardiner Street	-No Return
17 Gardiner Street	-Address Not Listed
19 Gardiner Street	-Residential (2 Tenant)
21 Gardiner Street	-Residential (1 Tenant)
25 Gardiner Street	-Residential (1 Tenant)
27 Gardiner Street	-Residential (1 Tenant)
33 Gardiner Street	-Residential (1 Tenant)
35 Gardiner Street	-Residential (1 Tenant)

PROJECT NUMBER: 20180606175	
Site Address:	40 Sir John A. Macdonald Boulevard, Kingston, ON
Year: 1980	

Site Listing:	-Kingston Prison for Women
Adjacent Properties:	
466 Union Street (West)	-Canadian National Institute for the Blind
511 Union Street (West)	-Address Not Listed
535 Union Street (West)	-Address Not Listed
548 Union Street (West)	-Residential (4 Tenants)
550 Union Street (West)	-Residential (3 Tenants)
525 King Street (West)	-Penitentiary Service
555 King Street (West)	-Regional Psychiatric Centre -Regional Reception Centre
560 King Street (West)	-Address Not Listed
585 King Street (West)	-Residential (1 Tenant)
15 Gardiner Street	-Residential (1 Tenant)
17 Gardiner Street	-Address Not Listed

19 Gardiner Street	-Residential (2 Tenant)
21 Gardiner Street	-Residential (4 Tenants)
25 Gardiner Street	-Residential (1 Tenant)
27 Gardiner Street	-Residential (1 Tenant)
33 Gardiner Street	-Residential (1 Tenant)
35 Gardiner Street	-Residential (1 Tenant)

PROJECT NUMBER: 20180606175	
Site Address:	40 Sir John A. Macdonald Boulevard, Kingston, ON
Year: 1975	
Site Listing:	-Address Not Listed
Adjacent Properties:	
466 Union Street (West)	-Canadian National Institute for the Blind -Quinte St Lawrence Hall
511 Union Street (West)	-Address Not Listed
535 Union Street (West)	-Address Not Listed

548 Union Street (West)	-Residential (3 Tenants)
550 Union Street (West)	-Residential (2 Tenants)
525 King Street (West)	-Penitentiary Service
555 King Street (West)	-Address Not Listed
560 King Street (West)	-Address Not Listed
585 King Street (West)	-Residential (1 Tenant)
15 Gardiner Street	-Residential (1 Tenant)
17 Gardiner Street	-Address Not Listed
19 Gardiner Street	-Residential (1 Tenant)
21 Gardiner Street	-Residential (1 Tenant)
25 Gardiner Street	-Residential (1 Tenant)
27 Gardiner Street	-Residential (2 Tenants)
33 Gardiner Street	-No Return

35 Gardiner Street	-Residential (1 Tenant)
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PROJECT NUMBER: 20180606175	
Site Address:	40 Sir John A. Macdonald Boulevard, Kingston, ON
Year: 1970	
Site Listing:	-Address Not Listed
Adjacent Properties:	
466 Union Street (West)	-Canadian National Institute for the Blind -Quinte St Lawrence Hall
511 Union Street (West)	-Address Not Listed
535 Union Street (West)	-Address Not Listed
548 Union Street (West)	-Residential (1 Tenant)
550 Union Street (West)	-Residential (2 Tenants)
525 King Street (West)	-Vacant
555 King Street (West)	-Address Not Listed
560 King Street (West)	-Address Not Listed

585 King Street (West)	-Residential (1 Tenant)
15 Gardiner Street	-Residential (1 Tenant)
17 Gardiner Street	-Address Not Listed
19 Gardiner Street	-Residential (3 Tenants)
21 Gardiner Street	-Residential (1 Tenant)
25 Gardiner Street	-Residential (2 Tenants)
27 Gardiner Street	-Residential (1 Tenant)
33 Gardiner Street	-No Return
35 Gardiner Street	-Residential (3 Tenants)

PROJECT NUMBER: 20180606175	
Site Address:	40 Sir John A. Macdonald Boulevard, Kingston, ON
Year: 1965	
Site Listing:	-Address Not Listed
Adjacent Properties:	

466 Union Street (West)	-Quinte St Lawrence Hall -Canadian National Institute for the Blind
511 Union Street (West)	-Address Not Listed
535 Union Street (West)	-Address Not Listed
548 Union Street (West)	-Res (2 tenants)
550 Union Street (West)	-Res (2 tenants)
525 King Street (West)	-Address Not Listed
555 King Street (West)	-Address Not Listed
560 King Street (West)	-Address Not Listed
585 King Street (West)	-Res (1 tenant)
15 Gardiner Street	-Res (1 tenant)
17 Gardiner Street	-Address Not Listed
19 Gardiner Street	-Res (1 tenant)
21 Gardiner Street	-Res (1 tenant)

25 Gardiner Street	-Res (2 tenants)
27 Gardiner Street	-Res (1 tenant)
33 Gardiner Street	-Res (1 tenant)
35 Gardiner Street	-Res (3 tenants)

PROJECT NUMBER: 20180606175	
Site Address:	40 Sir John A. Macdonald Boulevard, Kingston, ON
Year: 1960	
Site Listing:	-Address Not Listed
Adjacent Properties:	
466 Union Street (West)	-Candn Natl Inst for the Blind
511 Union Street (West)	-Address Not Listed
535 Union Street (West)	-Address Not Listed
548 Union Street (West)	-Res (2 tenants)
550 Union Street (West)	-Res (2 tenants)

525 King Street (West)	-Address Not Listed
555 King Street (West)	-Address Not Listed
560 King Street (West)	-Address Not Listed
585 King Street (West)	-Address Not Listed
15 Gardiner Street	-Res (1 tenant)
17 Gardiner Street	-Address Not Listed
19 Gardiner Street	-Address Not Listed
21 Gardiner Street	-Address Not Listed
25 Gardiner Street	-Res (1 tenant)
27 Gardiner Street	-Res (1 tenant)
33 Gardiner Street	-Res (1 tenant)
35 Gardiner Street	-Res (2 tenants)

PROJECT NUMBER: 20180606175	
Site Address:	40 Sir John A. Macdonald Boulevard, Kingston, ON

Year: 1956	
Site Listing:	-Address Not Listed
Adjacent Properties:	
466 Union Street (West)	-Candn Natl Inst for the Blind
511 Union Street (West)	-Address Not Listed
535 Union Street (West)	-Address Not Listed
548 Union Street (West)	-Address Not Listed
550 Union Street (West)	-Address Not Listed
525 King Street (West)	-Address Not Listed
555 King Street (West)	-Address Not Listed
560 King Street (West)	-Address Not Listed
585 King Street (West)	-Address Not Listed
15 Gardiner Street	-Res (1 tenant)

17 Gardiner Street	-Address Not Listed
19 Gardiner Street	-Address Not Listed
21 Gardiner Street	-Address Not Listed
25 Gardiner Street	-Res (1 tenant)
27 Gardiner Street	-Res (1 tenant)
33 Gardiner Street	-Res (1 tenant)
35 Gardiner Street	-Res (2 tenants)

PROJECT NUMBER: 20180606175	
Site Address:	40 Sir John A. Macdonald Boulevard, Kingston, ON
Year: 1950	
Site Listing:	-Address Not Listed
Adjacent Properties:	
466 Union Street (West)	-Address Not Listed
511 Union Street (West)	-Address Not Listed

535 Union Street (West)	-Address Not Listed
548 Union Street (West)	-Address Not Listed
550 Union Street (West)	-Address Not Listed
525 King Street (West)	-Address Not Listed
555 King Street (West)	-Address Not Listed
560 King Street (West)	-Address Not Listed
585 King Street (West)	-Address Not Listed
15 Gardiner Street	-Address Not Listed
17 Gardiner Street	-Address Not Listed
19 Gardiner Street	-Address Not Listed
21 Gardiner Street	-Address Not Listed
25 Gardiner Street	-Address Not Listed
27 Gardiner Street	-Address Not Listed
33 Gardiner Street	-Address Not Listed

35 Gardiner Street	-Address Not Listed

-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as “residential” with the number of tenants. The name of the residential tenant is not listed in the above city directory



APPENDIX C
ENVIRONMENTAL DATABASE SEARCH RESULTS



DATABASE REPORT

Project Property: *Phase I ESA 40 Sir John A. Macdonald
Boulevard
40 Sir John A. Macdonald Blvd
Kingston ON K7M2H2
1-898-25-02*

Project No: *20180321152*

Report Type: *Standard Report*

Order No: *20180321152*

Requested by: *XCG Consulting Limited*

Date Completed: *March 27, 2018*

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Executive Summary

Property Information:

Project Property: *Phase I ESA 40 Sir John A. Macdonald Boulevard
40 Sir John A. Macdonald Blvd Kingston ON K7M2H2*

Project No: *1-898-25-02*

Coordinates:

Latitude: *44.222681*
Longitude: *-76.513403*
UTM Northing: *4,897,719.62*
UTM Easting: *379,118.60*
UTM Zone: *UTM Zone 18T*

Elevation: *309 FT
94.32 M*

Order Information:

Order No: *20180321152*
Date Requested: *March 21, 2018*
Requested by: *XCG Consulting Limited*
Report Type: *Standard Report*

Historical/Products:

Insurance Products *Fire Insurance Maps/Inspection Reports/Site Specific Plans*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	3	3
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	2	2
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	1	1
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	1	1	2
FSTH	Fuel Storage Tank - Historic	Y	2	2	4
GEN	Ontario Regulation 347 Waste Generators Summary	Y	2	28	30
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	1	1
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBW	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	3	3
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGW	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>TSSA Pipeline Incidents</i>	Y	0	3	3
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	1	1	2
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	12	12
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>TSSA Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	6	1	7
Total:			12	58	70

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>1</u>	GEN	CORRECTIONAL SERVICE CANADA	40 SIR JOHN A MACDONALD BOULEVARD KINGSTON ON K7L 4W7	SE/13.5	-0.02	<u>19</u>
<u>2</u>	FST	PRISON FOR WOMEN	40 SIR JOHN A MACDONALD BLVD KINGSTON ON K7L 4W7	SE/16.4	-0.02	<u>19</u>
<u>2</u>	FSTH	PRISON FOR WOMEN	40 SIR JOHN A MACDONALD BLVD KINGSTON ON	SE/16.4	-0.02	<u>19</u>
<u>2</u>	FSTH	PRISON FOR WOMEN	40 SIR JOHN A MACDONALD BLVD KINGSTON ON	SE/16.4	-0.02	<u>20</u>
<u>2</u>	GEN	CORRECTIONAL SERVICES CANADA	40 SIR JOHN A MACDONALD BOULEVARD P.O. BOX 515 KINGSTON ON	SE/16.4	-0.02	<u>20</u>
<u>2</u>	PRT	PRISON FOR WOMEN	40 SIR JOHN A MACDONALD BLVD KINGSTON ON	SE/16.4	-0.02	<u>20</u>
<u>4</u>	WWIS		lot 20 con 1 KINGSTON ON	S/92.6	-1.83	<u>20</u>
<u>4</u>	WWIS		lot 20 con 1 KINGSTON ON	S/92.6	-1.83	<u>24</u>
<u>4</u>	WWIS		KINGSTON ON	S/92.6	-1.83	<u>27</u>
<u>5</u>	WWIS		KINGSTON ON	S/104.3	-2.26	<u>30</u>
<u>9</u>	WWIS		KINGSTON ON	S/119.8	-2.46	<u>33</u>
<u>14</u>	WWIS		KINGSTON ON	NNE/179.2	3.95	<u>35</u>

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
3	SPL	TRANSPORT TRUCK	SIR JOHN A. MACDONALD BLVD PRISON FOR WOMEN PARKING LOT MOTOR VEHICLE (OPERATING FLUID)	NNE/78.7	0.94	36
6	GEN	QUEEN'S UNIVERSITY	KINGSTON CITY ON W. CAMPUS/MCARTHUR COLLEGE/UNION ST & SIR J.A MACDONALD BLVD C/O 207 STUART	NNE/116.8	1.99	37
6	GEN	QUEEN'S UNIVERSITY	KINGSTON ON K7L 3N6 WEST CAMPUS (MCARTHUR COLLEGE)	NNE/116.8	1.99	37
6	GEN	QUEEN'S UNIVERSITY 32-045	UNION ST & SIR J.A. MACDONALD BLVD KINGSTON ON W. CAMPUS/MCARTHUR COLLEGE/UNION ST & SIR J.A	NNE/116.8	1.99	38
6	GEN	QUEEN'S UNIVERSITY	MACDONALD BLVD C/O 207 STUART KINGSTON ON K7L 3N6 WEST CAMPUS (MCARTHUR COLLEGE)	NNE/116.8	1.99	38
6	GEN	QUEEN'S UNIVERSITY	UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON	NNE/116.8	1.99	39
6	GEN	QUEEN'S UNIVERSITY	WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON	NNE/116.8	1.99	39
6	GEN	QUEEN'S UNIVERSITY	WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON	NNE/116.8	1.99	39
6	GEN	QUEEN'S UNIVERSITY	WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON	NNE/116.8	1.99	40
6	GEN	QUEEN'S UNIVERSITY	WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON	NNE/116.8	1.99	41
7	GEN	QUEEN'S UNIVERSITY	WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON	NNE/117.1	1.71	42
8	FST	CORRECTIONAL SERVICE OF CANADA KINGSTON PENITENTIARY	555 KING ST W KINGSTON ON K7L 4V7	SSW/117.4	-2.43	43
8	FSTH	CORRECTIONAL SERVICE OF CANADA KINGSTON PENITENTIARY	555 KING ST W KINGSTON ON	SSW/117.4	-2.43	43
8	FSTH	CORRECTIONAL SERVICE OF CANADA KINGSTON PENITENTIARY	555 KING ST W KINGSTON ON	SSW/117.4	-2.43	43
8	GEN	CORRECTIONAL SERVICE OF CANADA	CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466UNION ST KINGSTON ON	SSW/117.4	-2.43	44
8	GEN	CORRECTIONAL SERVICE OF CANADA	CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466UNION ST KINGSTON ON K7L 4V7	SSW/117.4	-2.43	45
8	GEN	CORRECTIONAL SERVICE OF CANADA	CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466UNION ST KINGSTON ON K7L 4V7	SSW/117.4	-2.43	46
8	GEN	CORRECTIONAL SERVICE OF CANADA	CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466UNION ST KINGSTON ON K7L 4V7	SSW/117.4	-2.43	47

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
8	GEN	CORRECTIONAL SERVICE OF CANADA	CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466UNION ST KINGSTON ON K7L 4V7	SSW/117.4	-2.43	48
8	PRT	CORRECTIONAL SERVICE OF CANADA KINGSTON PENITENTIA	555 KING ST W KINGSTON ON	SSW/117.4	-2.43	49
8	SPL	CORRECTIONAL SERVICES CANADA	LAKE ONTARIO FROM 555 KING ST WEST. KINGSTON PENETENTIARY, 555 KING ST WEST KINGSTON CITY ON	SSW/117.4	-2.43	50
10	EHS		525 King St W Kingston ON K7L2X9	SE/160.3	-0.74	50
11	SPL		38 Alwington Ave. Kingston ON	E/167.1	0.49	50
12	GEN	CORRECTIONAL SERVICE OF CANADA	CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466UNION ST KINGSTON ON K7L 4V7	S/172.0	-3.79	50
12	GEN	CORRECTIONAL SERVICE OF CANADA	CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466UNION ST KINGSTON ON	S/172.0	-3.79	52
12	GEN	CORRECTIONAL SERVICE OF CANADA	CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466UNION ST KINGSTON ON	S/172.0	-3.79	53
12	GEN	CORRECTIONAL SERVICE OF CANADA	CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466UNION ST KINGSTON ON	S/172.0	-3.79	54
12	GEN	CORRECTIONAL SERVICE OF CANADA	CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466UNION ST KINGSTON ON K7L 4V7	S/172.0	-3.79	55
13	FCS	431-C01 Isabel MacNeil House Historical Use of Lead Base Paint	Kingston ON	SE/173.7	-1.10	56
15	SPL	Utilities Kingston	26 Alwington Ave Kingston ON	ESE/179.7	0.59	58
16	PINC		66 Alwington Avenue, Kingston ON	ENE/184.2	2.18	58
17	GEN	CORRECTIONAL SERVICES CANADA	KINGSTON PENITENTIARY, INTERSECTION OF KING ST. AND SIR JOHN A. BLVD. KINGSTON ON K7L 4V7	SSE/184.2	-3.03	59
17	GEN	CORRECTIONAL SER(SEE & USE ON0062508)	KINGSTON PENITENTIARY, INTERSECTION OF KING ST. AND SIR JOHN A. BLVD. KINGSTON ON K7L 4V7	SSE/184.2	-3.03	59
18	CA	CORRECTIONAL SERVICES CANADA-KINGSTON PE	KING ST.-KINGSTON PENITENTIARY KINGSTON CITY ON	S/199.3	-5.98	59
18	CA	CORRECTIONAL SERVICES CANADA	KINGSTON PENITENTIARY KINGSTON CITY ON	S/199.3	-5.98	60
18	GEN	CORRECTIONAL SERVICE CANADA	555 KING STREET WEST PENITENTIARY KINGSTON ON K7L 4V7	S/199.3	-5.98	60
18	GEN	CORRECTIONAL SERVICE CANADA	PENITENTIARY 555 KING STREET WEST_ KINGSTON ON K7L 4V7	S/199.3	-5.98	60
18	GEN	CORRECTIONAL SERVICE CANADA	PENITENTIARY 555 KING STREET WEST KINGSTON ON K7L 4V7	S/199.3	-5.98	61
18	GEN	CORRECTIONAL SERVICE OF CANADA	KINGSTON PENITENTIARY/P4W/WLH/STAFF COLLEGE 555 KING STREET WEST KINGSTON ON K7L 4V7	S/199.3	-5.98	61
18	GEN	CORRECTIONAL SERVICES CANADA	PENITENTIARY 555 KING ST. W. BOX 22 KINGSTON ON K7L 4V7	S/199.3	-5.98	62
18	GEN	CORRECTIONAL SERVICES CANADA 11-206	PENITENTIARY 555 KING ST. W. BOX 22 KINGSTON ON K7L 4V7	S/199.3	-5.98	62

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>18</u>	GEN	CORRECTIONAL SERVICE OF CANADA	KINGSTON PENITENTIARY/P4W/WLH/RCSC/IMH 555 KING STREET WEST KINGSTON ON K7L 4V7	S/199.3	-5.98	<u>63</u>
<u>18</u>	NPCB	CORRECTIONAL SERVICES CANADA	KINGSTON PENITENTIARY; P.O. BOX 22, 555 KING ST W. KINGSTON ON K7L 4V7	S/199.3	-5.98	<u>63</u>
<u>18</u>	NPCB	CORRECTIONAL SERVICES CANADA.	KINGSTON PENITENTIARY; P.O. BOX 22, 555 KING ST W. KINGSTON ON K7L 4V7	S/199.3	-5.98	<u>64</u>
<u>18</u>	NPCB	CORRECTIONAL SERVICES CANADA	555 KING ST W P.O. BOX 22 KINGSTON PENITENTIARY KINGSTON ON K7L 4V7	S/199.3	-5.98	<u>66</u>
<u>18</u>	SPL	KINGSTON PENITENTIARY	LAKE ONTARIO KINGSTON CITY ON	S/199.3	-5.98	<u>66</u>
<u>18</u>	SPL	KINGSTON PENITENTIARY	KINGSTON CITY ON	S/199.3	-5.98	<u>66</u>
<u>18</u>	SPL	KINGSTON PENITENTIARY	KINGSTON PENITENTIARY KINGSTON CITY ON	S/199.3	-5.98	<u>67</u>
<u>19</u>	HINC		560 King ST. W KINGSTON ON	S/201.3	-5.98	<u>67</u>
<u>19</u>	SPL	1425445 Ontario Limited	560 King ST. W. PO Box 22 Kingston, ON K7L 4V7 Kingston ON	S/201.3	-5.98	<u>67</u>
<u>19</u>	SPL		560 King St. West Kingston ON	S/201.3	-5.98	<u>68</u>
<u>19</u>	SPL	Federal Government of Canada	560 King St W Kingston ON	S/201.3	-5.98	<u>68</u>
<u>20</u>	PINC		39 Alwington Avenue, Kingston ON	E/208.2	0.48	<u>68</u>
<u>20</u>	SPL	Utilities Kingston	39 Alwington Ave Kingston ON	E/208.2	0.48	<u>69</u>
<u>21</u>	CA	P.U.C. KINGSTON CITY	GARDINER ST. FROM UNION ST. KINGSTON CITY ON	W/213.6	-4.55	<u>69</u>
<u>22</u>	EHS		566 King Street West kingston ON	SSW/218.8	-7.45	<u>69</u>
<u>23</u>	PINC		563 UNION STREET, KINGSTON ON	W/232.8	-5.68	<u>70</u>
<u>23</u>	SPL		563 Union St Kingston ON	W/232.8	-5.68	<u>70</u>
<u>24</u>	WWIS		KINGSTON ON	SSW/238.6	-10.52	<u>71</u>

Executive Summary: Summary By Data Source

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 3 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CORRECTIONAL SERVICES CANADA-KINGSTON PE	KING ST.-KINGSTON PENITENTIARY KINGSTON CITY ON	S	199.34	<u>18</u>
CORRECTIONAL SERVICES CANADA	KINGSTON PENITENTIARY KINGSTON CITY ON	S	199.34	<u>18</u>
P.U.C. KINGSTON CITY	GARDINER ST. FROM UNION ST. KINGSTON CITY ON	W	213.61	<u>21</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Feb 28, 2018 has found that there are 2 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	525 King St W Kingston ON K7L2X9	SE	160.28	<u>10</u>
	566 King Street West kingston ON	SSW	218.83	<u>22</u>

FCS - Contaminated Sites on Federal Land

A search of the FCS database, dated Jun 2000-Dec 2017 has found that there are 1 FCS site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
431-C01 Isabel MacNeil House Historical Use of Lead Base Paint	Kingston ON	SE	173.70	<u>13</u>

FST - Fuel Storage Tank

A search of the FST database, dated Feb 28, 2017 has found that there are 2 FST site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PRISON FOR WOMEN	40 SIR JOHN A MACDONALD BLVD KINGSTON ON K7L 4W7	SE	16.35	<u>2</u>
CORRECTIONAL SERVICE OF CANADA KINGSTON PENITENTIARY	555 KING ST W KINGSTON ON K7L 4V7	SSW	117.39	<u>8</u>

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 4 FSTH site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PRISON FOR WOMEN	40 SIR JOHN A MACDONALD BLVD KINGSTON ON	SE	16.35	<u>2</u>
PRISON FOR WOMEN	40 SIR JOHN A MACDONALD BLVD KINGSTON ON	SE	16.35	<u>2</u>
CORRECTIONAL SERVICE OF CANADA KINGSTON PENITENTIARY	555 KING ST W KINGSTON ON	SSW	117.39	<u>8</u>
CORRECTIONAL SERVICE OF CANADA KINGSTON PENITENTIARY	555 KING ST W KINGSTON ON	SSW	117.39	<u>8</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-December 31, 2017 has found that there are 30 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
QUEEN'S UNIVERSITY	W. CAMPUS/MCARTHUR COLLEGE/UNION ST & SIR J.A MACDONALD BLVD C/O 207 STUART KINGSTON ON K7L 3N6	NNE	116.77	<u>6</u>
QUEEN'S UNIVERSITY	WEST CAMPUS (MCARTHUR COLLEGE) UNION ST & SIR J.A. MACDONALD BLVD KINGSTON ON	NNE	116.77	<u>6</u>
QUEEN'S UNIVERSITY 32-045	W. CAMPUS/MCARTHUR COLLEGE/UNION ST & SIR J.A MACDONALD BLVD C/O 207 STUART KINGSTON ON K7L 3N6	NNE	116.77	<u>6</u>
QUEEN'S UNIVERSITY	WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON	NNE	116.77	<u>6</u>
QUEEN'S UNIVERSITY	WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON	NNE	116.77	<u>6</u>
QUEEN'S UNIVERSITY	WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON	NNE	116.77	<u>6</u>
QUEEN'S UNIVERSITY	WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON	NNE	116.77	<u>6</u>
QUEEN'S UNIVERSITY	WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON	NNE	116.77	<u>6</u>
QUEEN'S UNIVERSITY	WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON	NNE	117.08	<u>7</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CORRECTIONAL SERVICE CANADA	40 SIR JOHN A MACDONALD BOULEVARD KINGSTON ON K7L 4W7	SE	13.51	<u>1</u>

CORRECTIONAL SERVICES CANADA	40 SIR JOHN A MACDONALD BOULEVARD P.O. BOX 515 KINGSTON ON	SE	16.35	<u>2</u>
CORRECTIONAL SERVICE OF CANADA	CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466 UNION ST KINGSTON ON	SSW	117.39	<u>8</u>
CORRECTIONAL SERVICE OF CANADA	CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466 UNION ST KINGSTON ON K7L 4V7	SSW	117.39	<u>8</u>
CORRECTIONAL SERVICE OF CANADA	CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466 UNION ST KINGSTON ON K7L 4V7	SSW	117.39	<u>8</u>
CORRECTIONAL SERVICE OF CANADA	CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466 UNION ST KINGSTON ON K7L 4V7	SSW	117.39	<u>8</u>
CORRECTIONAL SERVICE OF CANADA	CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466 UNION ST KINGSTON ON K7L 4V7	SSW	117.39	<u>8</u>
CORRECTIONAL SERVICE OF CANADA	CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466 UNION ST KINGSTON ON K7L 4V7	S	171.99	<u>12</u>
CORRECTIONAL SERVICE OF CANADA	CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466 UNION ST KINGSTON ON K7L 4V7	S	171.99	<u>12</u>
CORRECTIONAL SERVICE OF CANADA	CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466 UNION ST KINGSTON ON	S	171.99	<u>12</u>
CORRECTIONAL SERVICE OF CANADA	CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466 UNION ST KINGSTON ON	S	171.99	<u>12</u>
CORRECTIONAL SERVICE OF CANADA	CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466 UNION ST KINGSTON ON	S	171.99	<u>12</u>
CORRECTIONAL SERVICES CANADA	KINGSTON PENITENTIARY, INTERSECTION OF KING ST. AND SIR JOHN A. BLVD. KINGSTON ON K7L 4V7	SSE	184.18	<u>17</u>
CORRECTIONAL SER(SEE & USE ON0062508)	KINGSTON PENITENTIARY, INTERSECTION OF KING ST. AND SIR JOHN A. BLVD. KINGSTON ON K7L 4V7	SSE	184.18	<u>17</u>
CORRECTIONAL SERVICE CANADA	555 KING STREET WEST PENITENTIARY KINGSTON ON K7L 4V7	S	199.34	<u>18</u>
CORRECTIONAL SERVICE CANADA	PENITENTIARY 555 KING STREET WEST KINGSTON ON K7L 4V7	S	199.34	<u>18</u>
CORRECTIONAL SERVICE CANADA	PENITENTIARY 555 KING STREET WEST KINGSTON ON K7L 4V7	S	199.34	<u>18</u>
CORRECTIONAL SERVICE OF CANADA	PENITENTIARY/P4W/WLH/STAFF COLLEGE 555 KING STREET WEST KINGSTON ON K7L 4V7	S	199.34	<u>18</u>
CORRECTIONAL SERVICES CANADA	PENITENTIARY 555 KING ST. W. BOX 22 KINGSTON ON K7L 4V7	S	199.34	<u>18</u>
CORRECTIONAL SERVICES CANADA 11-206	PENITENTIARY 555 KING ST. W. BOX 22 KINGSTON ON K7L 4V7	S	199.34	<u>18</u>
CORRECTIONAL SERVICE OF CANADA	KINGSTON PENITENTIARY/P4W/WLH/RCSC/IMH 555 KING STREET WEST KINGSTON ON K7L 4V7	S	199.34	<u>18</u>

HINC - TSSA Historic Incidents

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

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	560 King ST. W KINGSTON ON	S	201.29	<u>19</u>

NPCB - National PCB Inventory

A search of the NPCB database, dated 1988-2008* has found that there are 3 NPCB site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CORRECTIONAL SERVICES CANADA	555 KING ST W P.O. BOX 22 KINGSTON PENITENTIARY KINGSTON ON K7L 4V7	S	199.34	<u>18</u>
CORRECTIONAL SERVICES CANADA.	KINGSTON PENITENTIARY; P.O. BOX 22, 555 KING ST W. KINGSTON ON K7L 4V7	S	199.34	<u>18</u>
CORRECTIONAL SERVICES CANADA	KINGSTON PENITENTIARY; P.O. BOX 22, 555 KING ST W. KINGSTON ON K7L 4V7	S	199.34	<u>18</u>

PINC - TSSA Pipeline Incidents

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	66 Alwington Avenue, Kingston ON	ENE	184.16	<u>16</u>
	39 Alwington Avenue, Kingston ON	E	208.23	<u>20</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	563 UNION STREET, KINGSTON ON	W	232.76	<u>23</u>

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 2 PRT site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PRISON FOR WOMEN	40 SIR JOHN A MACDONALD BLVD KINGSTON ON	SE	16.35	<u>2</u>
CORRECTIONAL SERVICE OF CANADA KINGSTON PENITENTIA	555 KING ST W KINGSTON ON	SSW	117.39	<u>8</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Sep 2017 has found that there are 12 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
TRANSPORT TRUCK	SIR JOHN A. MACDONALD BLVD PRISON FOR WOMEN PARKING LOT MOTOR VEHICLE (OPERATING FLUID) KINGSTON CITY ON	NNE	78.66	<u>3</u>
	38 Alwington Ave. Kingston ON	E	167.12	<u>11</u>
Utilities Kingston	26 Alwington Ave Kingston ON	ESE	179.67	<u>15</u>
Utilities Kingston	39 Alwington Ave Kingston ON	E	208.23	<u>20</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CORRECTIONAL SERVICES CANADA	LAKE ONTARIO FROM 555 KING ST WEST. KINGSTON PENITENTIARY, 555 KING ST WEST KINGSTON CITY ON	SSW	117.39	<u>8</u>
KINGSTON PENITENTIARY	KINGSTON PENITENTIARY KINGSTON CITY ON	S	199.34	<u>18</u>
KINGSTON PENITENTIARY	KINGSTON CITY ON	S	199.34	<u>18</u>
KINGSTON PENITENTIARY	LAKE ONTARIO KINGSTON CITY ON	S	199.34	<u>18</u>
Federal Government of Canada	560 King St W Kingston ON	S	201.29	<u>19</u>
	560 King St. West Kingston ON	S	201.29	<u>19</u>
1425445 Ontario Limited	560 King ST. W. PO Box 22 Kingston, ON K7L 4V7 Kingston ON	S	201.29	<u>19</u>
	563 Union St Kingston ON	W	232.76	<u>23</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Mar 31, 2017 has found that there are 7 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	KINGSTON ON	NNE	179.15	<u>14</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 20 con 1 KINGSTON ON	S	92.59	<u>4</u>
	KINGSTON ON	S	92.59	<u>4</u>
	lot 20 con 1 KINGSTON ON	S	92.59	<u>4</u>

KINGSTON ON	S	104.32	<u>5</u>
KINGSTON ON	S	119.79	<u>9</u>
KINGSTON ON	SSW	238.56	<u>24</u>



Map : 0.25 Kilometer Radius

Order No: 20180321152

Address: 40 Sir John A. Macdonald Blvd, Kingston, ON, K7M2H2

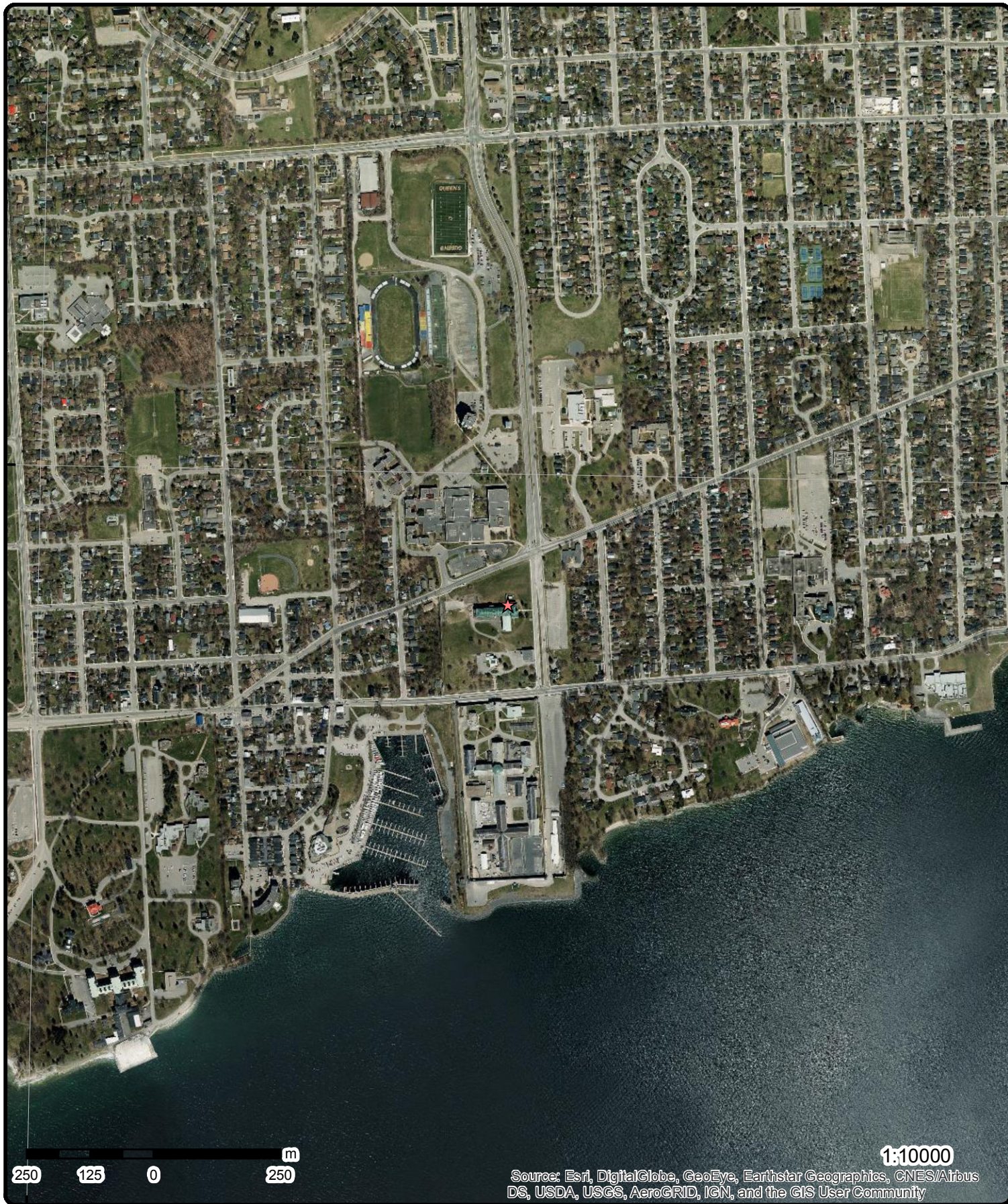


- | | | | |
|-------------------------------------|----------------------|-----------------------------------|--------------------------------|
| ★ Project Property | Expressway | Industrial and Resource - Regions | National Park |
| ⬡ Buffer Outline | Principal Highway | Main Line | Provincial or Territorial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

76°31'30"W

44°13'30"N

44°13'30"N



Aerial (2015)

Address: 40 Sir John A. Macdonald Blvd, Kingston, ON, K7M2H2

Source: ESRI World Imagery

Order No: 20180321152

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



© ERIS Information Limited Partnership



Topographic Map

Address: 40 Sir John A. Macdonald Blvd, Kingston, ON, K7M2H2

Source: ESRI World Topographic Map

Order No: 20180321152



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	SE/13.5	94.3 / -0.02	CORRECTIONAL SERVICE CANADA 40 SIR JOHN A MACDONALD BOULEVARD KINGSTON ON K7L 4W7	GEN
<div> <div> Generator No.: ON0062507 Status: Approval Years: 97 Contam. Facility: MHSW Facility: SIC Code: 8122 SIC Description: CORRECTIONAL SERV. </div> <div> PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin: </div> </div>					
--Details-- Waste Code: 261 Waste Description: PHARMACEUTICALS Waste Code: 312 Waste Description: PATHOLOGICAL WASTES					
2	1 of 5	SE/16.4	94.3 / -0.02	PRISON FOR WOMEN 40 SIR JOHN A MACDONALD BLVD KINGSTON ON K7L 4W7	FST
<div> <div> Instance No: 10808328 Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Diesel Status: Active Capacity: 4546 Tank Material: Fiberglass (FRP) Corrosion Protection: Fiberglass Tank Type: Single Wall UST Install Year: 1990 Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve Facility Type: FS Liquid Fuel Tank </div> </div>					
2	2 of 5	SE/16.4	94.3 / -0.02	PRISON FOR WOMEN 40 SIR JOHN A MACDONALD BLVD KINGSTON ON	FSTH
<div> <div> License Issue Date: 12/19/1990 Tank Status: Licensed Tank Status As Of: August 2007 Operation Type: Private Fuel Outlet Facility Type: Gasoline Station - Self Serve </div> </div>					
--Details-- Status: Active Year of Installation: 1990 Corrosion Protection: Capacity: 4546					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Tank Fuel Type:		Liquid Fuel Single Wall UST - Diesel			
2	3 of 5	SE/16.4	94.3 / -0.02	PRISON FOR WOMEN 40 SIR JOHN A MACDONALD BLVD KINGSTON ON	FSTH
License Issue Date:		12/19/1990			
Tank Status:		Licensed			
Tank Status As Of:		December 2008			
Operation Type:		Private Fuel Outlet			
Facility Type:		Gasoline Station - Self Serve			
--Details--					
Status:		Active			
Year of Installation:		1990			
Corrosion Protection:					
Capacity:		4546			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Diesel			
2	4 of 5	SE/16.4	94.3 / -0.02	CORRECTIONAL SERVICES CANADA 40 SIR JOHN A MACDONALD BOULEVARD P.O. BOX 515 KINGSTON ON	GEN
Generator No.:		ON0062507		PO Box No.:	
Status:				Country:	
Approval Years:		98,99,00,01		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:		8122			
SIC Description:		CORRECTIONAL SERV.			
--Details--					
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
2	5 of 5	SE/16.4	94.3 / -0.02	PRISON FOR WOMEN 40 SIR JOHN A MACDONALD BLVD KINGSTON ON	PRT
Location ID:		7140			
Type:		private			
Expiry Date:					
Capacity (L):		4546.00			
Licence #:		0001043603			
4	1 of 3	S/92.6	92.5 / -1.83	lot 20 con 1 KINGSTON ON	WWIS
Well ID:		2218420		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	
Sec. Water Use:				Selected Flag:	
Final Well Status:		Test Hole		Abandonment Rec:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Type: Casing Material: Audit No: Z12581 Tag: A012525 Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Contractor: 7085 Form Version: 3 Owner: Street Name: 40 SIR JOHN A MACDONALD ST County: FRONTENAC Municipality: KINGSTON TOWNSHIP Site Info: Lot: 020 Concession: 01 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
<u>Bore Hole Information</u>					
Bore Hole ID: 11173814 DP2BR: 6 Code OB: v Code OB Desc: Overburden below Bedrock Open Hole: Elevation: 93.246444 Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:				Spatial Status: Cluster Kind: UTMRC: 3 UTMRC Desc: margin of error : 10 - 30 m Location Method: wwr Org CS: UTM83 Date Completed: 8/9/2004	
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID: 932972078 Layer: 1 Color: 2 General Color: GREY Mat1: 28 Most Common Material: SAND Mat2: 11 Other Materials: GRAVEL Mat3: 05 Other Materials: CLAY Formation Top Depth: 0.00 Formation End Depth: 1.83 Formation End Depth UOM: m					
Formation ID: 932972079 Layer: 2 Color: 2 General Color: GREY Mat1: 15 Most Common Material: LIMESTONE Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: 1.83 Formation End Depth: 5.18 Formation End Depth UOM: m					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933254745			
Layer:		1			
Plug From:		0.00			
Plug To:		0.30			
Plug Depth UOM:		m			
Plug ID:		933254746			
Layer:		2			
Plug From:		0.30			
Plug To:					
Plug Depth UOM:		m			
Plug ID:		933254747			
Layer:		3			
Plug From:					
Plug To:		1.98			
Plug Depth UOM:		m			
Plug ID:		933254748			
Layer:		4			
Plug From:					
Plug To:		3.20			
Plug Depth UOM:		m			
Plug ID:		933254749			
Layer:		5			
Plug From:					
Plug To:		2.44			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		962218420			
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11182333			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930844571			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		2.13			
Casing Diameter:		5.08			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
Casing ID:		930844572			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		2			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		3.35			
Casing Diameter:		5.08			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
Casing ID:		930844573			
Layer:		3			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		2.74			
Casing Diameter:		5.08			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		933409471			
Layer:		1			
Slot:		100			
Screen Top Depth:		2.13			
Screen End Depth:		5.18			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.08			
Screen ID:		933409472			
Layer:		2			
Slot:					
Screen Top Depth:		3.35			
Screen End Depth:		4.84			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
Screen ID:		933409473			
Layer:		3			
Slot:					
Screen Top Depth:		2.28			
Screen End Depth:		4.26			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Hole Diameter</u>					
Hole ID:		11307136			
Diameter:		7.62			
Depth From:		0.00			
Depth To:		5.18			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
Hole ID:		11307134			
Diameter:		7.62			
Depth From:		0.00			
Depth To:		4.26			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
Hole ID:		11307135			
Diameter:		7.62			
Depth From:		0.00			
Depth To:		4.95			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<hr/>					
4	2 of 3	S/92.6	92.5 / -1.83	lot 20 con 1 KINGSTON ON	WWIS
Well ID:	2218421			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:				Date Received:	9/9/2004
Sec. Water Use:				Selected Flag:	1
Final Well Status:	Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7085
Casing Material:				Form Version:	3
Audit No:	Z12579			Owner:	
Tag:	A012525			Street Name:	40 SIR JOHN A MACDONALD
Construction Method:				County:	FRONTENAC
Elevation (m):				Municipality:	KINGSTON TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	020
Well Depth:				Concession:	01
Overburden/Bedrock:				Concession Name:	CON
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<hr/>					
<u>Bore Hole Information</u>					
Bore Hole ID:	11173815			Spatial Status:	
DP2BR:	10			Cluster Kind:	
Code OB:	v			UTMRC:	3
Code OB Desc:	Overburden below Bedrock			UTMRC Desc:	margin of error : 10 - 30 m
Open Hole:				Location Method:	wwr
Elevation:	93.246444			Org CS:	UTM83
Elevrc:				Date Completed:	8/9/2004
Remarks:					
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<hr/>					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	932972085				
Layer:	1				
Color:	6				
General Color:	BROWN				
Mat1:	28				
Most Common Material:	SAND				
Mat2:	11				
Other Materials:	GRAVEL				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3:		05			
Other Materials:		CLAY			
Formation Top Depth:		0.00			
Formation End Depth:		0.91			
Formation End Depth UOM:		m			
Formation ID:		932972086			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Other Materials:		GRAVEL			
Mat3:					
Other Materials:					
Formation Top Depth:		0.91			
Formation End Depth:		3.20			
Formation End Depth UOM:		m			
Formation ID:		932972087			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		3.20			
Formation End Depth:		6.37			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933254750			
Layer:		1			
Plug From:		0.00			
Plug To:		0.30			
Plug Depth UOM:		m			
Plug ID:		933254751			
Layer:		2			
Plug From:		0.30			
Plug To:					
Plug Depth UOM:		m			
Plug ID:		933254752			
Layer:		3			
Plug From:					
Plug To:		3.07			
Plug Depth UOM:		m			
Plug ID:		933254753			
Layer:		4			
Plug From:					
Plug To:		1.52			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Method Construction ID:		962218421			
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		11182334			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		930844574			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		3.47			
Casing Diameter:		5.08			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
Casing ID:		930844575			
Layer:		2			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		1.79			
Casing Diameter:		5.08			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
 <u>Construction Record - Screen</u>					
Screen ID:		933409474			
Layer:		1			
Slot:		100			
Screen Top Depth:		3.47			
Screen End Depth:					
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.08			
Screen ID:		933409475			
Layer:		2			
Slot:					
Screen Top Depth:		1.79			
Screen End Depth:		6.37			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
Screen ID:		933409476			
Layer:		3			
Slot:					
Screen Top Depth:					
Screen End Depth:		7.89			
Screen Material:					
Screen Depth UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Hole Diameter</u>					
Hole ID:		11307137			
Diameter:		7.62			
Depth From:		0.00			
Depth To:		6.37			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
Hole ID:		11307138			
Diameter:		7.62			
Depth From:		0.00			
Depth To:		7.80			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

4

3 of 3

S/92.6

92.5 / -1.83

KINGSTON ON

WWIS

Well ID:2218903

Construction Date:

Primary Water Use:

Sec. Water Use:

Final Well Status:Test Hole

Water Type:

Casing Material:

Audit No:Z30223

Tag:A012525

Construction Method:

Elevation (m):

Elevation Reliability:

Depth to Bedrock:

Well Depth:

Overburden/Bedrock:

Pump Rate:

Static Water Level:

Flowing (Y/N):

Flow Rate:

Clear/Cloudy:

Data Entry Status:

Data Src:

Date Received:11/25/2005

Selected Flag:1

Abandonment Rec:

Contractor:7085

Form Version:3

Owner:

Street Name:40 SIR. JOHN A MACDONALD ST.

County:FRONTENAC

Municipality:KINGSTON CITY

Site Info:

Lot:

Concession:

Concession Name:

Easting NAD83:

Northing NAD83:

Zone:

UTM Reliability:

Bore Hole ID:11318142

DP2BR:14

Code OB:v

Code OB Desc:Overburden below Bedrock

Open Hole:

Elevation:93.246444

Elevrc:

Remarks:

Elevrc Desc:

Location Source Date:

Improvement Location Source:

Improvement Location Method:

Source Revision Comment:

Supplier Comment:

Spatial Status:

Cluster Kind:

UTMRC:4

UTMRC Desc:margin of error : 30 m - 100 m

Location Method:wwr

Org CS:UTM83

Date Completed:11/10/2005

Overburden and Bedrock

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:		933003880			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		05			
Other Materials:		CLAY			
Mat3:		11			
Other Materials:		GRAVEL			
Formation Top Depth:		0.00			
Formation End Depth:		4.26			
Formation End Depth UOM:		m			
Formation ID:		933003881			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		4.26			
Formation End Depth:		5.79			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933281829			
Layer:		1			
Plug From:		0.00			
Plug To:		2.43			
Plug Depth UOM:		m			
Plug ID:		933281832			
Layer:		2			
Plug From:		2.42			
Plug To:		5.79			
Plug Depth UOM:		m			
Plug ID:		933281831			
Layer:		3			
Plug From:		0.00			
Plug To:		2.43			
Plug Depth UOM:		m			
Plug ID:		933281828			
Layer:		4			
Plug From:		2.43			
Plug To:		5.94			
Plug Depth UOM:		m			
Plug ID:		933281830			
Layer:		5			
Plug From:		0.00			
Plug To:		1.52			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Use</u>					
Method Construction ID:		962218903			
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11332997			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930858334			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		2.83			
Casing Diameter:		5.08			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
Casing ID:		930858335			
Layer:		2			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		2.89			
Casing Diameter:		5.08			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
Casing ID:		930858336			
Layer:		3			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		2.07			
Casing Diameter:		5.08			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		933415686			
Layer:		1			
Slot:		100			
Screen Top Depth:		2.83			
Screen End Depth:		5.79			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.08			
Screen ID:		933415687			
Layer:		2			
Slot:					
Screen Top Depth:		2.89			
Screen End Depth:		5.94			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
Screen ID:		933415685			
Layer:		3			
Slot:					
Screen Top Depth:		2.07			
Screen End Depth:		5.12			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Hole Diameter</u>					
Hole ID:		11536292			
Diameter:		7.62			
Depth From:		0.00			
Depth To:		5.12			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
Hole ID:		11536293			
Diameter:		7.62			
Depth From:		0.00			
Depth To:		5.76			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
Hole ID:		11536294			
Diameter:		7.62			
Depth From:		0.00			
Depth To:		5.94			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
5	1 of 1	S/104.3	92.1 / -2.26	KINGSTON ON	WWIS
Well ID:	7159950			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	3/3/2011
Sec. Water Use:	0			Selected Flag:	1
Final Well Status:	Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7085
Casing Material:				Form Version:	7
Audit No:	Z121595			Owner:	
Tag:	A092778			Street Name:	40 SIR JOHN A MACDONALD BLVD
Construction Method:				County:	FRONTENAC
Elevation (m):				Municipality:	KINGSTON CITY
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Bore Hole Information</u>					
Bore Hole ID:	1003481597			Spatial Status:	
DP2BR:				Cluster Kind:	
Code OB:				UTMRC:	3
Code OB Desc:				UTMRC Desc:	margin of error : 10 - 30 m
Open Hole:				Location Method:	wwr
Elevation:	93.125808			Org CS:	UTM83
Elevrc:				Date Completed:	1/3/2011
Remarks:					
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	1003792097				
Layer:	1				
Color:	6				
General Color:	BROWN				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:	11				
Other Materials:	GRAVEL				
Mat3:	01				
Other Materials:	FILL				
Formation Top Depth:	0.00				
Formation End Depth:	1.67				
Formation End Depth UOM:	m				
Formation ID:	1003792098				
Layer:	2				
Color:	2				
General Color:	GREY				
Mat1:	15				
Most Common Material:	LIMESTONE				
Mat2:	17				
Other Materials:	SHALE				
Mat3:	71				
Other Materials:	FRACTURED				
Formation Top Depth:	1.67				
Formation End Depth:	4.57				
Formation End Depth UOM:	m				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1003792108				
Layer:	1				
Plug From:	0.00				
Plug To:	0.30				
Plug Depth UOM:	m				
Plug ID:	1003792109				
Layer:	2				
Plug From:	0.30				
Plug To:	1.98				
Plug Depth UOM:	m				
Plug ID:	1003792110				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		3			
Plug From:		1.98			
Plug To:		4.57			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1003792106			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:		ROTARY CONVENTIONAL			
<u>Pipe Information</u>					
Pipe ID:		1003792096			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003792102			
Layer:					
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003792103			
Layer:		1			
Slot:		.1			
Screen Top Depth:		2.13			
Screen End Depth:		4.57			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.08			
<u>Water Details</u>					
Water ID:		1003792101			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		2.43			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1003792099			
Diameter:		15.24			
Depth From:		0.00			
Depth To:		1.67			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Hole ID:		1003792100			
Diameter:		10.16			
Depth From:		1.67			
Depth To:		4.57			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<hr/>					
9	1 of 1	S/119.8	91.9 / -2.46	KINGSTON ON	WWIS
Well ID:	7198506			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	3/14/2013
Sec. Water Use:				Selected Flag:	1
Final Well Status:	Abandoned-Other			Abandonment Rec:	
Water Type:				Contractor:	7085
Casing Material:				Form Version:	7
Audit No:	Z161806			Owner:	
Tag:	A092778			Street Name:	40 SIR JOHN A MACDONALD BLVD
Construction Method:				County:	FRONTENAC
Elevation (m):				Municipality:	KINGSTON TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<hr/>					
<u>Bore Hole Information</u>					
Bore Hole ID:	1004262990			Spatial Status:	
DP2BR:				Cluster Kind:	
Code OB:				UTMRC:	4
Code OB Desc:				UTMRC Desc:	margin of error : 30 m - 100 m
Open Hole:				Location Method:	wwr
Elevation:	92.897445			Org CS:	UTM83
Elevrc:				Date Completed:	1/4/2013
Remarks:					
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<hr/>					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1004841984				
Layer:	1				
Plug From:	3.40				
Plug To:	0.45				
Plug Depth UOM:	ft				
Plug ID:	1004841985				
Layer:	2				
Plug From:	0.45				
Plug To:	0.00				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004841983			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004841977			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004841981			
Layer:					
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1004841982			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1004841980			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		3.50			
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1004841979			
Diameter:		7.62			
Depth From:		0.00			
Depth To:		3.96			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	1 of 1	NNE/179.2	98.3 / 3.95	KINGSTON ON	WWIS
<div> <div> Well ID: 7162296 Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Abandoned-Supply Water Type: Casing Material: Audit No: Z121623 Tag: A092778 Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy: </div> <div> Data Entry Status: Data Src: Date Received: 4/28/2011 Selected Flag: 1 Abandonment Rec: Yes Contractor: 7085 Form Version: 7 Owner: Street Name: 40 SIR JOHN A MACDONALD BLVD County: FRONTENAC Municipality: KINGSTON CITY Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability: </div> </div>					
<u>Bore Hole Information</u>					
<div> <div> Bore Hole ID: 1003503398 DP2BR: Code OB: Code OB Desc: Open Hole: Elevation: 98.206375 Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment: </div> <div> Spatial Status: Cluster Kind: UTMRC: 5 UTMRC Desc: margin of error : 100 m - 300 m Location Method: gis Org CS: UTM83 Date Completed: 3/2/2011 </div> </div>					
<u>Annular Space/Abandonment Sealing Record</u>					
<div> <div> Plug ID: 1003887294 Layer: 1 Plug From: 0.30 Plug To: 3.81 Plug Depth UOM: m </div> <div> Plug ID: 1003887295 Layer: 2 Plug From: 0.00 Plug To: 0.30 Plug Depth UOM: m </div> </div>					
<u>Method of Construction & Well Use</u>					
<div> Method Construction ID: 1003887293 Method Construction Code: Method Construction: </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1003887287			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003887291			
Layer:					
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003887292			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1003887290			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		3.50			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1003887289			
Diameter:		10.16			
Depth From:		0.00			
Depth To:		3.81			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<hr/>					
3	1 of 1	NNE/78.7	95.3 / 0.94	TRANSPORT TRUCK SIR JOHN A. MACDONALD BLVD PRISON FOR WOMEN PARKING LOT MOTOR VEHICLE (OPERATING FLUID) KINGSTON CITY ON	SPL
Ref No:	90294			Sector Type:	
Contaminant Name:				Source Type:	
Contaminant Code:				Receiving Medium:	LAND
Contaminant Limit 1:				Receiving Env:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam Limit Freq 1: Contaminant UN No 1: Contaminant Qty: Material Group: MOE Reported Dt: 8/24/1993 Health/Env Conseq: Incident Dt: 8/23/1993 Incident Cause: PIPE/HOSE LEAK Incident Event: Incident Reason: OVERSTRESS/OVERPRESSURE Incident Summary: GARBAGE TRUCK - 10 L OF HYDRAULIC FLUID TO PARKING LOT				Environment Impact: NOT ANTICIPATED Nature of Impact: SAC Action Class: Year: Site Address: Site Conc: Site Lot: Site County/District: Site Municipality: 46102 Site Postal Code:	
<u>6</u>	1 of 8	NNE/116.8	96.3 / 1.99	QUEEN'S UNIVERSITY W. CAMPUS/MCARTHUR COLLEGE/UNION ST & SIR J.A MACDONALD BLVD C/O 207 STUART KINGSTON ON K7L 3N6	GEN
Generator No.: ON0145601 Status: Approval Years: 89,90 Contam. Facility: MHSW Facility: SIC Code: 8531 SIC Description: UNIVERSITY EDUCATION				PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	
--Details--					
Waste Code: 148 Waste Description: INORGANIC LABORATORY CHEMICALS					
Waste Code: 241 Waste Description: HALOGENATED SOLVENTS					
Waste Code: 263 Waste Description: ORGANIC LABORATORY CHEMICALS					
Waste Code: 312 Waste Description: PATHOLOGICAL WASTES					
<u>6</u>	2 of 8	NNE/116.8	96.3 / 1.99	QUEEN'S UNIVERSITY WEST CAMPUS (MCARTHUR COLLEGE) UNION ST & SIR J.A. MACDONALD BLVD KINGSTON ON	GEN
Generator No.: ON0145601 Status: Approval Years: 92,93,97 Contam. Facility: MHSW Facility: SIC Code: 8531 SIC Description: UNIVERSITY EDUCATION				PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	
--Details--					
Waste Code: 148 Waste Description: INORGANIC LABORATORY CHEMICALS					
Waste Code: 241 Waste Description: HALOGENATED SOLVENTS					
Waste Code: 263 Waste Description: ORGANIC LABORATORY CHEMICALS					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Code: Waste Description:		312 PATHOLOGICAL WASTES			
6	3 of 8	NNE/116.8	96.3 / 1.99	QUEEN'S UNIVERSITY 32-045 W. CAMPUS/MCARTHUR COLLEGE/UNION ST & SIR J.A MACDONALD BLVD C/O 207 STUART KINGSTON ON K7L 3N6	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON0145601 94,95,96 8531 UNIVERSITY EDUCATION		PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	
--Details--					
Waste Code: Waste Description:		148 INORGANIC LABORATORY CHEMICALS			
Waste Code: Waste Description:		241 HALOGENATED SOLVENTS			
Waste Code: Waste Description:		263 ORGANIC LABORATORY CHEMICALS			
Waste Code: Waste Description:		312 PATHOLOGICAL WASTES			
6	4 of 8	NNE/116.8	96.3 / 1.99	QUEEN'S UNIVERSITY WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON0145601 98,99,00,01,02,03,04,05,06,07,08 8531 UNIVERSITY EDUCATION		PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	
--Details--					
Waste Code: Waste Description:		252 WASTE OILS & LUBRICANTS			
Waste Code: Waste Description:		241 HALOGENATED SOLVENTS			
Waste Code: Waste Description:		243 PCB'S			
Waste Code: Waste Description:		263 ORGANIC LABORATORY CHEMICALS			
Waste Code: Waste Description:		312 PATHOLOGICAL WASTES			
Waste Code: Waste Description:		148 INORGANIC LABORATORY CHEMICALS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	5 of 8	NNE/116.8	96.3 / 1.99	QUEEN'S UNIVERSITY WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON	GEN
Generator No.:	ON0145601			PO Box No.:	
Status:				Country:	
Approval Years:	2009			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	611110, 611710, 541990				
SIC Description:	Elementary and Secondary Schools, Educational Support Services, All Other Professional Scientific and Technical Services				
--Details--					
Waste Code:	112				
Waste Description:	ACID WASTE - HEAVY METALS				
Waste Code:	148				
Waste Description:	INORGANIC LABORATORY CHEMICALS				
Waste Code:	221				
Waste Description:	LIGHT FUELS				
Waste Code:	241				
Waste Description:	HALOGENATED SOLVENTS				
Waste Code:	243				
Waste Description:	PCBS				
Waste Code:	252				
Waste Description:	WASTE OILS & LUBRICANTS				
Waste Code:	263				
Waste Description:	ORGANIC LABORATORY CHEMICALS				
Waste Code:	312				
Waste Description:	PATHOLOGICAL WASTES				
6	6 of 8	NNE/116.8	96.3 / 1.99	QUEEN'S UNIVERSITY WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON	GEN
Generator No.:	ON0145601			PO Box No.:	
Status:				Country:	
Approval Years:	2010			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	611110, 611710, 541990				
SIC Description:	Elementary and Secondary Schools, Educational Support Services, All Other Professional Scientific and Technical Services				
--Details--					
Waste Code:	242				
Waste Description:	HALOGENATED PESTICIDES				
Waste Code:	264				
Waste Description:	PHOTOPROCESSING WASTES				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Code:		243			
Waste Description:		PCBS			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
Waste Code:		211			
Waste Description:		AROMATIC SOLVENTS			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			

<u>6</u>	7 of 8	NNE/116.8	96.3 / 1.99	QUEEN'S UNIVERSITY WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON	GEN
Generator No.:	ON0145601			PO Box No.:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	611110, 611710, 541990				
SIC Description:	Elementary and Secondary Schools, Educational Support Services, All Other Professional Scientific and Technical Services				
<u>--Details--</u>					
Waste Code:	221				
Waste Description:	LIGHT FUELS				
Waste Code:	112				
Waste Description:	ACID WASTE - HEAVY METALS				
Waste Code:	243				
Waste Description:	PCBS				
Waste Code:	211				
Waste Description:	AROMATIC SOLVENTS				
Waste Code:	121				
Waste Description:	ALKALINE WASTES - HEAVY METALS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		242			
Waste Description:		HALOGENATED PESTICIDES			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
6	8 of 8	NNE/116.8	96.3 / 1.99	QUEEN'S UNIVERSITY WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON	GEN
Generator No.:	ON0145601			PO Box No.:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	611110, 611710, 541990				
SIC Description:	ELEMENTARY AND SECONDARY SCHOOLS, EDUCATIONAL SUPPORT SERVICES, ALL OTHER PROFESSIONAL, SCIENTIFIC AND TECHNICAL SERVICES				
--Details--					
Waste Code:	211				
Waste Description:	AROMATIC SOLVENTS				
Waste Code:	252				
Waste Description:	WASTE OILS & LUBRICANTS				
Waste Code:	112				
Waste Description:	ACID WASTE - HEAVY METALS				
Waste Code:	145				
Waste Description:	PAINT/PIGMENT/COATING RESIDUES				
Waste Code:	221				
Waste Description:	LIGHT FUELS				
Waste Code:	243				
Waste Description:	PCBS				
Waste Code:	148				
Waste Description:	INORGANIC LABORATORY CHEMICALS				
Waste Code:	242				
Waste Description:	HALOGENATED PESTICIDES				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
7	1 of 1	NNE/117.1	96.0 / 1.71	QUEEN'S UNIVERSITY WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON	GEN
Generator No.:	ON0145601			PO Box No.:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	611110, 611710, 541990				
SIC Description:	Elementary and Secondary Schools, Educational Support Services, All Other Professional Scientific and Technical Services				
--Details--					
Waste Code:		242			
Waste Description:		HALOGENATED PESTICIDES			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		243			
Waste Description:		PCBS			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Code: 211 Waste Description: AROMATIC SOLVENTS Waste Code: 264 Waste Description: PHOTOPROCESSING WASTES					
<u>8</u>	1 of 10	SSW/117.4	91.9 / -2.43	CORRECTIONAL SERVICE OF CANADA KINGSTON PENITENTIARY 555 KING ST W KINGSTON ON K7L 4V7	FST
Instance No: 10806729 Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Gasoline Status: Active Capacity: 9092 Tank Material: Steel Corrosion Protection: Impressed Current Tank Type: Single Wall UST Install Year: 1988 Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve Facility Type: FS Liquid Fuel Tank					
<u>8</u>	2 of 10	SSW/117.4	91.9 / -2.43	CORRECTIONAL SERVICE OF CANADA KINGSTON PENITENTIARY 555 KING ST W KINGSTON ON	FSTH
License Issue Date: 6/4/1990 Tank Status: Licensed Tank Status As Of: August 2007 Operation Type: Private Fuel Outlet Facility Type: Gasoline Station - Self Serve --Details-- Status: Active Year of Installation: 1988 Corrosion Protection: Capacity: 9092 Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline					
<u>8</u>	3 of 10	SSW/117.4	91.9 / -2.43	CORRECTIONAL SERVICE OF CANADA KINGSTON PENITENTIARY 555 KING ST W KINGSTON ON	FSTH
License Issue Date: 6/4/1990 Tank Status: Licensed Tank Status As Of: December 2008 Operation Type: Private Fuel Outlet Facility Type: Gasoline Station - Self Serve --Details-- Status: Active Year of Installation: 1988 Corrosion Protection: Capacity: 9092 Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	4 of 10	SSW/117.4	91.9 / -2.43	CORRECTIONAL SERVICE OF CANADA CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466 UNION ST KINGSTON ON	GEN
Generator No.:		ON0062508		PO Box No.:	
Status:				Country:	
Approval Years:		2013		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:		911220			
SIC Description:					
--Details--					
Waste Code:		243			
Waste Description:		PCBS			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		242			
Waste Description:		HALOGENATED PESTICIDES			
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
8	5 of 10	SSW/117.4	91.9 / -2.43	CORRECTIONAL SERVICE OF CANADA CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466 UNION ST KINGSTON ON K7L 4V7	GEN
Generator No.:		ON0062508		PO Box No.:	
Status:				Country:	Canada
Approval Years:		2016		Choice of Contact:	CO_OFFICIAL
Contam. Facility:		No		Co Admin:	
MHSW Facility:		No		Phone No. Admin:	
SIC Code:		911220			
SIC Description:		911220			
--Details--					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		150			
Waste Description:		INERT INORGANIC WASTES			
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		243			
Waste Description:		PCBS			
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		121			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
Waste Code:		242			
Waste Description:		HALOGENATED PESTICIDES			
8	6 of 10	SSW/117.4	91.9 / -2.43	CORRECTIONAL SERVICE OF CANADA CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466UNION ST KINGSTON ON K7L 4V7	GEN
Generator No.:		ON0062508		PO Box No.:	
Status:				Country: Canada	
Approval Years:		2015		Choice of Contact: CO_OFFICIAL	
Contam. Facility:		No		Co Admin:	
MHSW Facility:		No		Phone No. Admin:	
SIC Code:		911220			
SIC Description:		911220			
--Details--					
Waste Code:		243			
Waste Description:		PCBS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		242			
Waste Description:		HALOGENATED PESTICIDES			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
<hr/>					
8	7 of 10	SSW/117.4	91.9 / -2.43	CORRECTIONAL SERVICE OF CANADA CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466 UNION ST KINGSTON ON K7L 4V7	GEN
Generator No.:	ON0062508			PO Box No.:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No. Admin:	
SIC Code:	911220				
SIC Description:	911220				
<hr/>					
--Details--					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		242			
Waste Description:		HALOGENATED PESTICIDES			
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
Waste Code:		243			
Waste Description:		PCBS			
8	8 of 10	SSW/117.4	91.9 / -2.43	CORRECTIONAL SERVICE OF CANADA CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466 UNION ST KINGSTON ON K7L 4V7	GEN
Generator No.:	ON0062508			PO Box No.:	
Status:	Registered			Country:	Canada
Approval Years:	As of Dec 2017			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:					
SIC Description:					
--Details--					
Waste Code:	242 A				
Waste Description:	Halogenated pesticides and herbicides				
Waste Code:	145 L				
Waste Description:	Wastes from the use of pigments, coatings and paints				
Waste Code:	261 A				
Waste Description:	Pharmaceuticals				
Waste Code:	263 I				
Waste Description:	Misc. waste organic chemicals				
Waste Code:	252 L				
Waste Description:	Waste crankcase oils and lubricants				
Waste Code:	148 L				
Waste Description:	Misc. wastes and inorganic chemicals				
Waste Code:	312 P				
Waste Description:	Pathological wastes				
Waste Code:	145 T				
Waste Description:	Wastes from the use of pigments, coatings and paints				
Waste Code:	112 C				
Waste Description:	Acid solutions - containing heavy metals				
Waste Code:	121 C				
Waste Description:	Alkaline slutions - containing heavy metals				
Waste Code:	150 L				
Waste Description:	Inert organic wastes				
Waste Code:	221 I				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
Waste Description:		Light fuels			
Waste Code:		148 C			
Waste Description:		Misc. wastes and inorganic chemicals			
Waste Code:		148 A			
Waste Description:		Misc. wastes and inorganic chemicals			
Waste Code:		221 L			
Waste Description:		Light fuels			
Waste Code:		213 I			
Waste Description:		Petroleum distillates			
Waste Code:		331 R			
Waste Description:		Waste compressed gases including cylinders			
Waste Code:		263 A			
Waste Description:		Misc. waste organic chemicals			
Waste Code:		264 C			
Waste Description:		Photoprocessing wastes			
Waste Code:		212 L			
Waste Description:		Aliphatic solvents and residues			
Waste Code:		331 I			
Waste Description:		Waste compressed gases including cylinders			
Waste Code:		251 L			
Waste Description:		Waste oils/sludges (petroleum based)			
Waste Code:		263 L			
Waste Description:		Misc. waste organic chemicals			
Waste Code:		145 I			
Waste Description:		Wastes from the use of pigments, coatings and paints			
Waste Code:		145 H			
Waste Description:		Wastes from the use of pigments, coatings and paints			
Waste Code:		146 T			
Waste Description:		Other specified inorganic sludges, slurries or solids			
Waste Code:		243 D			
Waste Description:		PCB			
Waste Code:		122 C			
Waste Description:		Alkaline slutions - containing other metals and non-metals (not cyanide)			
8	9 of 10	SSW/117.4	91.9 / -2.43	CORRECTIONAL SERVICE OF CANADA KINGSTON PENITENTIA 555 KING ST W KINGSTON ON	PRT
Location ID:		7083			
Type:		private			
Expiry Date:		9092.00			
Capacity (L):		0001018522			
Licence #:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	10 of 10	SSW/117.4	91.9 / -2.43	CORRECTIONAL SERVICES CANADA LAKE ONTARIO FROM 555 KING ST WEST. KINGSTON PENITENTIARY, 555 KING ST WEST KINGSTON CITY ON	SPL
Ref No: 215564 Contaminant Name: Contaminant Code: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Contaminant Qty: Material Group: MOE Reported Dt: 11/6/2001 Health/Env Conseq: Incident Dt: 11/6/2001 Incident Cause: PIPE/HOSE LEAK Incident Event: Incident Reason: EQUIPMENT FAILURE Incident Summary: CORRECTIONAL SERVICES CA-NADA- SEWAGE SEEPING OUT OF GROUND & INTO LAKE, EPS		Sector Type: Source Type: Receiving Medium: Land, Water Receiving Env: Environment Impact: Possible Nature of Impact: Water course or lake SAC Action Class: Year: Site Address: Site Conc: Site Lot: Site County/District: Site Municipality: 46102 Site Postal Code:			
10	1 of 1	SE/160.3	93.6 / -0.74	525 King St W Kingston ON K7L2X9	EHS
Order ID: 422777 Order No: 20150819097 Customer ID: 119828 Company ID: 50 Status: C Report Code: 4CAN Report Type: Custom Report Report Date: 26-AUG-15 Report Requested by: Golder Associates Ltd. Nearest Intersection: Previous Site Name: Additional Info Ordered: Aerial Photos		Date Received: 19-AUG-15 Lot/Building Size: Municipality: City of Kingston Client Prov/State: ON Search Radius (km): .25 Large Radius: .5 X: -76.512105 Y: 44.221581			
11	1 of 1	E/167.1	94.8 / 0.49	38 Alwington Ave. Kingston ON	SPL
Ref No: 5152-928RDK Contaminant Name: NATURAL GAS (METHANE) Contaminant Code: 35 Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Contaminant Qty: 0 other - see incident description Material Group: MOE Reported Dt: 20-NOV-12 Health/Env Conseq: Incident Dt: 20-NOV-12 Incident Cause: Leak/Break Incident Event: Incident Reason: Operator/Human Error Incident Summary: TSSA - 1/2" gas line cut by contractor.		Sector Type: Pipeline/Components Source Type: Receiving Medium: Receiving Env: Environment Impact: Nature of Impact: SAC Action Class: Air Spills - Gases and Vapours Year: Site Address: 38 Alwington Ave. Site Conc: Site Lot: Site County/District: Site Municipality: Kingston Site Postal Code:			
12	1 of 5	S/172.0	90.5 / -3.79	CORRECTIONAL SERVICE OF CANADA CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466 UNION ST	GEN

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
KINGSTON ON K7L 4V7					
Generator No.:	ON0062508			PO Box No.:	
Status:				Country:	
Approval Years:	05,06,07,08			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	911220				
SIC Description:		Federal Correctional Services			
--Details--					
Waste Code:		243			
Waste Description:		PCB'S			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		242			
Waste Description:		HALOGENATED PESTICIDES			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Waste Code:		114			
Waste Description:		OTHER INORGANIC ACID WASTES			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
<hr/>					
12	2 of 5	S/172.0	90.5 / -3.79	CORRECTIONAL SERVICE OF CANADA CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466 UNION ST KINGSTON ON	GEN
Generator No.:	ON0062508			PO Box No.:	
Status:				Country:	
Approval Years:	2009			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	911220				
SIC Description:	Federal Correctional Services				
<hr/>					
--Details--					
Waste Code:		243			
Waste Description:		PCBS			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		242			
Waste Description:		HALOGENATED PESTICIDES			
<hr/>					
12	3 of 5	S/172.0	90.5 / -3.79	CORRECTIONAL SERVICE OF CANADA CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466 UNION ST KINGSTON ON	GEN
Generator No.:	ON0062508			PO Box No.:	
Status:				Country:	
Approval Years:	2010			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	911220				
SIC Description:	Federal Correctional Services				
<hr/>					
--Details--					
Waste Code:		242			
Waste Description:		HALOGENATED PESTICIDES			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
Waste Code:		112			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		243			
Waste Description:		PCBS			
12	4 of 5	S/172.0	90.5 / -3.79	CORRECTIONAL SERVICE OF CANADA CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466UNION ST KINGSTON ON	GEN
Generator No.:		ON0062508		PO Box No.:	
Status:				Country:	
Approval Years:		2011		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:		911220			
SIC Description:		Federal Correctional Services			
--Details--					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
Waste Code:		242			
Waste Description:		HALOGENATED PESTICIDES			
Waste Code:		243			
Waste Description:		PCBS			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
<hr/>					
12	5 of 5	S/172.0	90.5 / -3.79	CORRECTIONAL SERVICE OF CANADA CORRECTIONS COMPLEX 525/555, KING ST WEST; 443/466 UNION ST KINGSTON ON K7L 4V7	GEN
Generator No.:	ON0062508			PO Box No.:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	911220				
SIC Description:		Federal Correctional Services			
<hr/>					
--Details--					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		243			
Waste Description:		PCBS			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		242			
Waste Description:		HALOGENATED PESTICIDES			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Waste Code:</i>		148			
<i>Waste Description:</i>		INORGANIC LABORATORY CHEMICALS			
<i>Waste Code:</i>		263			
<i>Waste Description:</i>		ORGANIC LABORATORY CHEMICALS			
<i>Waste Code:</i>		112			
<i>Waste Description:</i>		ACID WASTE - HEAVY METALS			
<i>Waste Code:</i>		312			
<i>Waste Description:</i>		PATHOLOGICAL WASTES			
<i>Waste Code:</i>		146			
<i>Waste Description:</i>		OTHER SPECIFIED INORGANICS			
13	1 of 1	SE/173.7	93.2 / -1.10	431-C01 Isabel MacNeil House Historical Use of Lead Base Paint	FCS
				Kingston ON	
<i>SGC:</i>		3510010			
<i>Site ID:</i>		00026432			
<i>Departmental ID:</i>					
<i>Depart Code:</i>		PEN			
<i>Class Type:</i>		3			
<i>Class:</i>		Low Priority for Action			
<i>Site Name:</i>		431-C01 Isabel MacNeil House Historical Use of Lead Base Paint			
<i>Site Name (FR):</i>		431-C01 Maison Isabel MacNeil Utilisation passée de peinture au plomb			
<i>Site Status:</i>		Closed			
<i>Site Status Desc (FR):</i>		Assainissement terminé ou mesures de gestion des risques prises. Aucune autre mesure nécessaire.			
<i>Site Status (FR):</i>		Fermé			
<i>Site Status Desc:</i>		Remediation / risk management completed. No further action required.			
<i>Involv Code:</i>					
<i>Census Division:</i>					
<i>Municipality:</i>		Kingston			
<i>Census Sub Class:</i>					
<i>Latitude:</i>		44.221552			
<i>Longitude:</i>		-76.511899			
<i>Location:</i>					
<i>Protected Data:</i>					
<i>FED:</i>		44			
<i>Fed Electoral District:</i>		Kingston and the Islands			
<i>Fed Electoral District (FR):</i>		Kingston et les Îles			
<i>Metro:</i>					
<i>Nearest Pop. Area:</i>					
<i>Highest Step Cmpltd:</i>		8			
<i>Site Deleted Flag:</i>					
<i>Created:</i>		2016-01-28T05:04:00			
<i>Modified:</i>		2017-05-11T09:46:15.553			
<i>Property No.:</i>		30915			
<i>Est m³ Contmntd:</i>					
<i>Est Ha Contmntd:</i>					
<i>Est Tons Contamin:</i>					
<i>Km1:</i>		5,468			
<i>Km10:</i>		182,133			
<i>Km25:</i>		229,305			
<i>Km5:</i>		111,251			
<i>Km50:</i>		298,788			
<i>Reporting Org:</i>		Correctional Service of Canada			
<i>Reporting Org (FR):</i>		Service correctionnel du Canada			
<i>Reason for Involv:</i>		Federal Real Property			
<i>Reason for Involv (FR):</i>		Biens immobiliers fédéraux			
<i>Liable Third Party:</i>					
<i>Class (FR):</i>		Priorité d'intervention faible			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Action Plan:					
Action Plan (FR):					
Site Mgmt Strategy:					
Minimap URL:					
Additional Info:					
Additional Info (FR):					
http://www.tbs-sct.gc.ca/fcsi-rscf/minimap.aspx?fsi=00026432					
Contamination					
Contaminant:					
Contaminant (FR):					
Medium Code:					
Medium:					
Medium (FR):					
Annual Data					
Fiscal Year:					
Reporting Organization:					
Reporting Organization (EN):					
Reporting Organization (FR):					
Class Type:					
Class (EN):					
Class (FR):					
CCME Flag:					
CCME NCS Year:					
Step Name (EN):					
Step Name (FR):					
Highest Step Completed:					
Highest Step Completed Desc:					
Planned Compl Date Step7:					
Planned Compl Date Step8:					
Planned Compl Date Step9:					
Created:					
Modified:					
NCSCS Year:					
Closed:					
Cubic Metres:					
Hectares:					
Tons:					
Total Asmt Expenditure:					
Total Remediation Expenditure:					
Total Care/Maint Expenditur:					
Total Mntring Expenditure:					
Ttl Expenditure Reduc Liabil:					
FCSAP Asmt Expenditure:					
FCSAP Remed Expenditure:					
FCSAP Care/Maint Expenditur:					
FCSAP Mntring Expenditure:					
Annual Data					
Fiscal Year:					
Reporting Organization:					
Reporting Organization (EN):					
Reporting Organization (FR):					
Class Type:					
Class (EN):					
Class (FR):					
CCME Flag:					
CCME NCS Year:					
Step Name (EN):					
Step Name (FR):					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Highest Step Completed: 04 Highest Step Completed Desc: Classify Contaminated Site Using the CCME National Classification System Planned Compl Date Step7: Planned Compl Date Step8: Planned Compl Date Step9: Created: Modified: NCSCS Year: Closed: No Cubic Metres: 0 Hectares: 0 Tons: 0 Total Asmt Expenditure: \$55,808.66 Total Remediation Expenditure: \$0.00 Total Care/Maint Expenditur: \$0.00 Total Mntring Expenditure: \$0.00 Ttl Expenditure Reduc Liabil: FCSAP Asmt Expenditure: \$44,646.93 FCSAP Remed Expenditure: \$0.00 FCSAP Care/Maint Expenditur: \$0.00 FCSAP Mntring Expenditure: \$0.00					
15	1 of 1	ESE/179.7	94.9 / 0.59	Utilities Kingston 26 Awlington Ave Kingston ON	SPL
Ref No: 6174-8Z7L2X Contaminant Name: NATURAL GAS, COMPRESSED (METHANE) Contaminant Code: 35 Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Contaminant Qty: 0 other - see incident description Material Group: MOE Reported Dt: 18-OCT-12 Health/Env Conseq: Incident Dt: 18-OCT-12 Incident Cause: Incident Event: Incident Reason: Incident Summary: TSSA FSB: 0.5" plstc service strike, made safe					
Sector Type: Source Type: Receiving Medium: Receiving Env: Environment Impact: Nature of Impact: SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill Year: Site Address: 26 Awlington Ave Site Conc: Site Lot: Site County/District: Site Municipality: Kingston Site Postal Code:					
16	1 of 1	ENE/184.2	96.5 / 2.18	66 Alwington Avenue, Kingston ON	PINC
Incident ID: Incident No: 941650 Type: FS-Pipeline Incident Status Code: Pipeline Damage Reason Est Fuel Occurrence Tp: Fuel Type: Tank Status: RC Established Task No: 4171997 Spills Action Centre: Method Details: E-mail Fuel Category: Natural Gas Date of Occurrence: Occurrence Start 2012/12/05 Date: Operation Type: Pipeline Type: Regulator Type:					
Health Impact: Environment Impact: Property Damage: Yes Service Interrupt: Enforce Policy: Yes Public Relation: Pipeline System: Depth: Pipe Material: PSIG: Attribute Category: FS-Perform P-line Inc Invest Regulator Location:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Summary: Reported By: Affiliation: Occurrence Desc: Damage Reason: Notes:		66 Alwington Avenue, Kingston - 1/2" Pipeline Hit Ben Covell - Utilities Kingston Excavation practices not sufficient			
17	1 of 2	SSE/184.2	91.3 / -3.03	CORRECTIONAL SERVICES CANADA KINGSTON PENITENTIARY, INTERSECTION OF KING ST. AND SIR JOHN A. BLVD. KINGSTON ON K7L 4V7	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON0663900 92,93 8122 CORRECTIONAL SERV.		PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	
--Details-- Waste Code: Waste Description:		252 WASTE OILS & LUBRICANTS			
Waste Code: Waste Description:		122 ALKALINE WASTES - OTHER METALS			
17	2 of 2	SSE/184.2	91.3 / -3.03	CORRECTIONAL SER(SEE & USE ON0062508) KINGSTON PENITENTIARY, INTERSECTION OF KING ST. AND SIR JOHN A. BLVD. KINGSTON ON K7L 4V7	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON0663900 97,98 8122 CORRECTIONAL SERV.		PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	
--Details-- Waste Code: Waste Description:		122 ALKALINE WASTES - OTHER METALS			
Waste Code: Waste Description:		252 WASTE OILS & LUBRICANTS			
Waste Code: Waste Description:		312 PATHOLOGICAL WASTES			
18	1 of 15	S/199.3	88.3 / -5.98	CORRECTIONAL SERVICES CANADA- KINGSTON PE KING ST.-KINGSTON PENITENTIARY KINGSTON CITY ON	CA
Certificate #: Application Year: Issue Date: Approval Type:		3-1639-90- 90 12/7/1990 Municipal sewage			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::		Approved			
18	2 of 15	S/199.3	88.3 / -5.98	CORRECTIONAL SERVICES CANADA KINGSTON PENITENTIARY KINGSTON CITY ON	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::		3-2240-90-90 10/17/1991 Municipal sewage Cancelled			
18	3 of 15	S/199.3	88.3 / -5.98	CORRECTIONAL SERVICE CANADA 555 KING STREET WEST PENITENTIARY KINGSTON ON K7L 4V7	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON0062508 97 8122 CORRECTIONAL SERV.	PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:		
--Details--					
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
18	4 of 15	S/199.3	88.3 / -5.98	CORRECTIONAL SERVICE CANADA PENITENTIARY 555 KING STREET WEST_ KINGSTON ON K7L 4V7	GEN
Generator No.: Status: Approval Years:		ON0062508 98	PO Box No.: Country: Choice of Contact:		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam. Facility: MHSW Facility: SIC Code: SIC Description:	8122			Co Admin: Phone No. Admin:	
		CORRECTIONAL SERV.			
--Details--					
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
18	5 of 15	S/199.3	88.3 / -5.98	CORRECTIONAL SERVICE CANADA PENITENTIARY 555 KING STREET WEST KINGSTON ON K7L 4V7	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON0062508 99,00,01 8122			PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	
		CORRECTIONAL SERV.			
--Details--					
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
18	6 of 15	S/199.3	88.3 / -5.98	CORRECTIONAL SERVICE OF CANADA KINGSTON PENITENTIARY/P4W/WLH/STAFF COLLEGE 555 KING STREET WEST KINGSTON ON K7L 4V7	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON0062508 02,03			PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	
--Details--					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
18	7 of 15	S/199.3	88.3 / -5.98	CORRECTIONAL SERVICES CANADA PENITENTIARY 555 KING ST. W. BOX 22 KINGSTON ON K7L 4V7	GEN
Generator No.:	ON0663900			PO Box No.:	
Status:				Country:	
Approval Years:	86,87,88,89,90			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	8122				
SIC Description:		CORRECTIONAL SERV.			
--Details--					
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
18	8 of 15	S/199.3	88.3 / -5.98	CORRECTIONAL SERVICES CANADA 11-206 PENITENTIARY 555 KING ST. W. BOX 22 KINGSTON ON K7L 4V7	GEN
Generator No.:	ON0663900			PO Box No.:	
Status:				Country:	
Approval Years:	94,95,96			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	8122				
SIC Description:		CORRECTIONAL SERV.			
--Details--					
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Code: Waste Description:		252 WASTE OILS & LUBRICANTS			
18	9 of 15	S/199.3	88.3 / -5.98	CORRECTIONAL SERVICE OF CANADA KINGSTON PENITENTIARY/P4W/WLH/RCSC/IMH 555 KING STREET WEST KINGSTON ON K7L 4V7	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON0062508 04 911220 Federal Correctional Services		PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	
--Details--					
Waste Code: Waste Description:		145 PAINT/PIGMENT/COATING RESIDUES			
Waste Code: Waste Description:		148 INORGANIC LABORATORY CHEMICALS			
Waste Code: Waste Description:		221 LIGHT FUELS			
Waste Code: Waste Description:		251 OIL SKIMMINGS & SLUDGES			
Waste Code: Waste Description:		252 WASTE OILS & LUBRICANTS			
Waste Code: Waste Description:		261 PHARMACEUTICALS			
Waste Code: Waste Description:		263 ORGANIC LABORATORY CHEMICALS			
Waste Code: Waste Description:		264 PHOTOPROCESSING WASTES			
Waste Code: Waste Description:		312 PATHOLOGICAL WASTES			
Waste Code: Waste Description:		213 PETROLEUM DISTILLATES			
18	10 of 15	S/199.3	88.3 / -5.98	CORRECTIONAL SERVICES CANADA KINGSTON PENITENTIARY; P.O. BOX 22, 555 KING ST W. KINGSTON ON K7L 4V7	NPCB
Company Code: Industry: Site Status: Transaction Date: Inspection Date:		O3049 Correctional Service 6/9/1995 2/3/1995			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
18	11 of 15	S/199.3	88.3 / -5.98	CORRECTIONAL SERVICES CANADA. KINGSTON PENITENTIARY; P.O. BOX 22, 555 KING ST W. KINGSTON ON K7L 4V7	NPCB
Company Code: O3049 Industry: Correctional Service Site Status: Transaction Date: 6/7/1991 Inspection Date: 2/14/1990					
--Details--					
Label:					
Serial No.:					
PCB Type/Code: Askarel					
Location:					
Item/State:					
No. of Items:					
Manufacturer:					
Status: Stored for Disposal					
Contents: 100.00 L					
Label:					
Serial No.:					
PCB Type/Code: Askarel					
Location:					
Item/State:					
No. of Items:					
Manufacturer:					
Status: Stored for Disposal					
Contents: 113.00 L					
Label:					
Serial No.:					
PCB Type/Code: Unknown concentration					
Location:					
Item/State:					
No. of Items:					
Manufacturer:					
Status: Stored for Disposal					
Contents: 178.00 KG					
Label:					
Serial No.:					
PCB Type/Code: Low 50 - 10,000 ppm					
Location:					
Item/State:					
No. of Items:					
Manufacturer:					
Status: In-Use					
Contents: 180.00 L					
Label:					
Serial No.:					
PCB Type/Code: Askarel					
Location:					
Item/State:					
No. of Items:					
Manufacturer:					
Status: Stored for Disposal					
Contents: 200.00 L					
Label:					
Serial No.:					
PCB Type/Code: Unknown concentration					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Location: Item/State: No. of Items: Manufacturer: Status: Contents:		Stored for Disposal 250.00 KG			
Label: Serial No.: PCB Type/Code: Location: Item/State: No. of Items: Manufacturer: Status: Contents:		Askarel Stored for Disposal 315.00 L			
Label: Serial No.: PCB Type/Code: Location: Item/State: No. of Items: Manufacturer: Status: Contents:		Askarel Stored for Disposal 325.00 L			
Label: Serial No.: PCB Type/Code: Location: Item/State: No. of Items: Manufacturer: Status: Contents:		Low 50 - 10,000 ppm In-Use 450.00 L			
Label: Serial No.: PCB Type/Code: Location: Item/State: No. of Items: Manufacturer: Status: Contents:		Low 50 - 10,000 ppm In-Use 45.00 L			
Label: Serial No.: PCB Type/Code: Location: Item/State: No. of Items: Manufacturer: Status: Contents:		Askarel Stored for Disposal 50.00 L			
Label: Serial No.: PCB Type/Code: Location: Item/State: No. of Items: Manufacturer: Status: Contents:		Low 50 - 10,000 ppm Stored for Disposal 50.00 L			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Label: Serial No.: PCB Type/Code: Low 50 - 10,000 ppm Location: Item/State: No. of Items: Manufacturer: Status: In-Use Contents: 90.00 L					
18	12 of 15	S/199.3	88.3 / -5.98	CORRECTIONAL SERVICES CANADA 555 KING ST W P.O. BOX 22 KINGSTON PENITENTIARY KINGSTON ON K7L 4V7	NPCB
Company Code: O3049 Industry: CORRECTIONAL SERVICE Site Status: ITEMS SENT TO SWAN HILLS Transaction Date: 5/30/1996 Inspection Date: 2/3/1995					
18	13 of 15	S/199.3	88.3 / -5.98	KINGSTON PENITENTIARY LAKE ONTARIO KINGSTON CITY ON	SPL
Ref No: 103487 Contaminant Name: Contaminant Code: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Contaminant Qty: Material Group: MOE Reported Dt: 8/2/1994 Health/Env Conseq: Incident Dt: 8/2/1994 Incident Cause: OTHER CAUSE (N.O.S.) Incident Event: Incident Reason: STORM/FLOOD/WIND Incident Summary: KINGSTON PEN.:OILY RUNOFFTO LAKE ONTARIO FROM OIL SEALED DRIVEWAY Sector Type: Source Type: Receiving Medium: WATER Receiving Env: Environment Impact: POSSIBLE Nature of Impact: Water course or lake SAC Action Class: Year: Site Address: Site Conc: Site Lot: Site County/District: Site Municipality: 46102 Site Postal Code:					
18	14 of 15	S/199.3	88.3 / -5.98	KINGSTON PENITENTIARY KINGSTON CITY ON	SPL
Ref No: 32844 Contaminant Name: Contaminant Code: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Contaminant Qty: Material Group: MOE Reported Dt: 4/4/1990 Health/Env Conseq: Incident Dt: 4/2/1990 Incident Cause: UNDERGROUND TANK LEAK Incident Event: Sector Type: Source Type: Receiving Medium: LAND Receiving Env: Environment Impact: CONFIRMED Nature of Impact: Soil contamination SAC Action Class: Year: Site Address: Site Conc: Site Lot: Site County/District: Site Municipality: 46102					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Incident Reason: Incident Summary:		UNKNOWN KINGSTON PENITENTIARY- FURNACE OIL TO GROUND.		Site Postal Code:	
18	15 of 15	S/199.3	88.3 / -5.98	KINGSTON PENITENTIARY KINGSTON PENETENTIARY KINGSTON CITY ON	SPL
Ref No: 176086 Contaminant Name: Contaminant Code: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Contaminant Qty: Material Group: MOE Reported Dt: 12/23/1999 Health/Env Conseq: Incident Dt: 12/23/1999 Incident Cause: PIPE/HOSE LEAK Incident Event: Incident Reason: OVERSTRESS/OVERPRESSURE Incident Summary: KING. PENITENTIARY:18L FURNACE OIL SPILL TO PAV-EMENT.CLEANED		Sector Type: Source Type: Receiving Medium: LAND Receiving Env: Environment Impact: NOT ANTICIPATED Nature of Impact: SAC Action Class: Year: Site Address: Site Conc: Site Lot: Site County/District: Site Municipality: 46102 Site Postal Code:			
19	1 of 4	S/201.3	88.3 / -5.98	560 King ST. W KINGSTON ON	HINC
External File Num: FS INC 0812-07523 Date of Occurrence: 12/5/2008 Fuel Occurrence Type: Pipeline Strike Fuel Type Involved: Natural Gas Status Desc:: Completed - No Action Required Job Type Desc:: Incident/Near-Miss Occurrence (FS) Oper. Type Involved:: Institution (including hospital, school, govt building, etc.) Service Interruptions:: No Property Damage:: No Fuel Life Cycle Stage:: Utilization Root Cause:: Reported Details:: Fuel Category:: Gaseous Fuel Occurrence Type:: Incident Affiliation:: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) County Name:: Frontenac Approx. Quant. Rel:: Nearby body of water:: Enter Drainage Syst:: Approx. Quant. Unit:: Environmental Impact::					
19	2 of 4	S/201.3	88.3 / -5.98	1425445 Ontario Limited 560 King ST. W. PO Box 22 Kingston, ON K7L 4V7 Kingston ON	SPL
Ref No: 7406-7M2KL7 Contaminant Name: NATURAL GAS (METHANE) Contaminant Code: 35 Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1:		Sector Type: Other Source Type: Receiving Medium: Receiving Env: Environment Impact: Confirmed Nature of Impact: Air Pollution			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Qty:				SAC Action Class:	Environment Canada - Spills at Federal Facilities & Spills of National Interest
Material Group:				Year:	
MOE Reported Dt:	12/5/2008			Site Address:	
Health/Env Conseq:				Site Conc:	
Incident Dt:				Site Lot:	
Incident Cause:	Discharge or Emission to Air			Site County/District:	Kingston
Incident Event:				Site Municipality:	
Incident Reason:	Unknown - Reason not determined			Site Postal Code:	
Incident Summary:	TSSA: Natural Gas leak on Fed. Lands, cln.				
19	3 of 4	S/201.3	88.3 / -5.98	560 King St. West Kingston ON	SPL
Ref No:	1721-7YLLKC			Sector Type:	Sewage Treatment
Contaminant Name:	SEWAGE,RAW UNCHLORINATED			Source Type:	
Contaminant Code:	44			Receiving Medium:	
Contaminant Limit 1:				Receiving Env:	
Contam Limit Freq 1:				Environment Impact:	Possible
Contaminant UN No 1:				Nature of Impact:	Surface Water Pollution
Contaminant Qty:	0 other - see incident description			SAC Action Class:	Land Spills
Material Group:				Year:	
MOE Reported Dt:	12/10/2009			Site Address:	
Health/Env Conseq:				Site Conc:	
Incident Dt:				Site Lot:	
Incident Cause:				Site County/District:	
Incident Event:				Site Municipality:	
Incident Reason:				Site Postal Code:	
Incident Summary:	Kingston Penitentiary: Possible raw sewage to Lake Ontario.				
19	4 of 4	S/201.3	88.3 / -5.98	Federal Government of Canada 560 King St W Kingston ON	SPL
Ref No:	1335-86AL2V			Sector Type:	Pipeline
Contaminant Name:	GREY WATER			Source Type:	
Contaminant Code:	44			Receiving Medium:	
Contaminant Limit 1:				Receiving Env:	
Contam Limit Freq 1:				Environment Impact:	Confirmed
Contaminant UN No 1:				Nature of Impact:	Surface Water Pollution
Contaminant Qty:	0 L			SAC Action Class:	Watercourse Spills
Material Group:				Year:	
MOE Reported Dt:	6/10/2010			Site Address:	
Health/Env Conseq:				Site Conc:	
Incident Dt:				Site Lot:	
Incident Cause:	Pipe Or Hose Leak			Site County/District:	
Incident Event:				Site Municipality:	
Incident Reason:	Spill			Site Postal Code:	
Incident Summary:	Kingston Pen: sewer line burst to stmswr. Kingston				
20	1 of 2	E/208.2	94.8 / 0.48	39 Alwington Avenue, Kingston ON	PINC
Incident ID:				Health Impact:	
Incident No:	918524			Environment Impact:	
Type:	FS-Pipeline Incident			Property Damage:	Yes
Status Code:	Pipeline Damage Reason Est			Service Interrupt:	
Fuel Occurrence Tp:				Enforce Policy:	Yes
Fuel Type:				Public Relation:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<div> <div> Tank Status: Task No: Spills Action Centre: Method Details: Fuel Category: Date of Occurrence: Occurrence Start Date: Operation Type: Pipeline Type: Regulator Type: Summary: Reported By: Affiliation: Occurrence Desc: Damage Reason: Notes: </div> <div> RC Established 4077556 E-mail Natural Gas 2012/10/15 39 Alwington Avenue, Kingston - 1/2" Pipeline Hit Harold Dalmas - Kingston Utilities Excavation practices not sufficient </div> <div> Pipeline System: Depth: Pipe Material: PSIG: Attribute Category: Regulator Location: </div> <div> FS-Perform P-line Inc Invest </div> </div>					
20	2 of 2	E/208.2	94.8 / 0.48	Utilities Kingston 39 Alwington Ave Kingston ON	SPL
<div> <div> Ref No: Contaminant Name: Contaminant Code: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Contaminant Qty: Material Group: MOE Reported Dt: Health/Env Conseq: Incident Dt: Incident Cause: Incident Event: Incident Reason: Incident Summary: </div> <div> 6126-8YZNYL NATURAL GAS (METHANE) 35 0 other - see incident description 12-OCT-12 12-OCT-12 Leak/Break Operator/Human Error TSSA: 1/2 inch plastic line strike, safe </div> <div> Sector Type: Source Type: Receiving Medium: Receiving Env: Environment Impact: Nature of Impact: SAC Action Class: Year: Site Address: Site Conc: Site Lot: Site County/District: Site Municipality: Site Postal Code: </div> <div> Pipeline/Components Confirmed Air Pollution TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill 39 Alwington Ave Kingston </div> </div>					
21	1 of 1	W/213.6	89.8 / -4.55	P.U.C. KINGSTON CITY GARDINER ST. FROM UNION ST. KINGSTON CITY ON	CA
<div> <div> Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control:: </div> <div> 7-1221-87- 87 9/10/1987 Municipal water Approved </div> </div>					
22	1 of 1	SSW/218.8	86.9 / -7.45	566 King Street West Kingston ON	EHS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Order ID: 172154 Order No: 20100216027 Customer ID: 17142 Company ID: 247 Status: C Report Code: 4CAN Report Type: Custom Report Report Date: 2/25/2010 Report Requested by: Decommissioning Consulting Services Ltd. Nearest Intersection: Yonge Previous Site Name: Additional Info Ordered: Fire Insur. Maps and/or Site Plans					
Date Received: 2/16/2010 Lot/Building Size: 8 hectares Municipality: kingston Client Prov/State: ON Search Radius (km): 0.25 Large Radius: 0.25 X: -76.514702 Y: 44.220947					
23	1 of 2	W/232.8	88.6 / -5.68	563 UNION STREET, KINGSTON ON	PINC
Incident ID: Incident No: 1428974 Type: FS-Pipeline Incident Status Code: Pipeline Damage Reason Est Fuel Occurrence Tp: Fuel Type: Tank Status: RC Established Task No: 5086614 Spills Action Centre: Method Details: E-mail Fuel Category: Natural Gas Date of Occurrence: Occurrence Start Date: 2014/07/07 Operation Type: Pipeline Type: Regulator Type: Summary: 563 UNION STREET, KINGSTON - PIPELINE HIT - 1/2" Reported By: Ben Covell - Kinston Utilities Affiliation: Occurrence Desc: Damage Reason: Excavation practices not sufficient Notes:					
Health Impact: Environment Impact: Property Damage: Yes Service Interrupt: Enforce Policy: Yes Public Relation: Pipeline System: Depth: Pipe Material: PSIG: Attribute Category: FS-Perform P-line Inc Invest Regualtor Location:					
23	2 of 2	W/232.8	88.6 / -5.68	563 Union St Kingston ON	SPL
Ref No: 0138-9LPKUT Contaminant Name: NATURAL GAS (METHANE) Contaminant Code: 35 Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Contaminant Qty: 0 other - see incident description Material Group: MOE Reported Dt: 2014/07/04 Health/Env Conseq: Incident Dt: 2014/07/04 Incident Cause: Unknown / N/A Incident Event: Incident Reason: Unknown / N/A Incident Summary: TSSA FSB, 0.5 strike, safe					
Sector Type: Pipeline/Components Source Type: Receiving Medium: Receiving Env: Environment Impact: Not Anticipated Nature of Impact: Air Pollution SAC Action Class: Air Spills - Gases and Vapours Year: Site Address: 563 Union St Site Conc: Site Lot: Site County/District: Site Municipality: Kingston Site Postal Code:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
24	1 of 1	SSW/238.6	83.8 / -10.52	KINGSTON ON	WWIS
<div> <div> Well ID: 7254101 Construction Date: Primary Water Use: Monitoring and Test Hole Sec. Water Use: 0 Final Well Status: Abandoned-Other Water Type: Casing Material: Audit No: Z208234 Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy: </div> <div> Data Entry Status: Data Src: Date Received: 12/14/2015 Selected Flag: 1 Abandonment Rec: Yes Contractor: 7323 Form Version: 7 Owner: Street Name: 560 KING ST. WEST County: FRONTENAC Municipality: KINGSTON TOWNSHIP Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability: </div> </div>					
<u>Bore Hole Information</u>					
<div> <div> Bore Hole ID: 1005834377 DP2BR: Code OB: Code OB Desc: Open Hole: Elevation: 81.70832 Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment: </div> <div> Spatial Status: Cluster Kind: UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr Org CS: UTM83 Date Completed: 11/25/2015 </div> </div>					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
<div> <div> Formation ID: 1005891452 Layer: 1 Color: 2 General Color: GREY Mat1: 05 Most Common Material: CLAY Mat2: 06 Other Materials: SILT Mat3: Other Materials: Formation Top Depth: 0.00 Formation End Depth: 6.00 Formation End Depth UOM: ft </div> <div> Formation ID: 1005891453 Layer: 2 Color: 2 General Color: GREY Mat1: 15 Most Common Material: LIMESTONE </div> </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:					
Other Materials:					
Mat3:		74			
Other Materials:		LAYERED			
Formation Top Depth:		6.00			
Formation End Depth:		20.00			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1005891461			
Layer:		1			
Plug From:		0.00			
Plug To:		20.00			
Plug Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1005891460			
Method Construction Code:		8			
Method Construction:		Jetting			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005891451			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005891456			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		10.00			
Casing Diameter:		2.00			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1005891457			
Layer:		1			
Slot:		0.1			
Screen Top Depth:		10.00			
Screen End Depth:		20.00			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.25			
<u>Water Details</u>					
Water ID:		1005891455			
Layer:					
Kind Code:					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<hr/>					
<i>Kind:</i>					
<i>Water Found Depth:</i>					
<i>Water Found Depth UOM:</i>		ft			
 <i><u>Hole Diameter</u></i>					
<i>Hole ID:</i>		1005891454			
<i>Diameter:</i>					
<i>Depth From:</i>					
<i>Depth To:</i>					
<i>Hole Depth UOM:</i>		ft			
<i>Hole Diameter UOM:</i>		inch			

Unplottable Summary

Total: **46** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	P.U.C. KINGSTON	SIR JOHN A. MACDONALD BLVD.	KINGSTON CITY ON	
CA	KINGSTON CITY	W. OF SIR JOHN A. MACDONALD	KINGSTON CITY ON	
CA	QUEEN'S UNIVERSITY, CHEMISTRY COMPLEX	UNION STREET CHEMISTRY COMPLEX	KINGSTON CITY ON	
CA	The Corporation of the City of Kingston	Union Street	Frontenac ON	
CA	CONFEDERATION SQUARE LTD.-PT. LTS. 10&11	GARDINER ROAD & EASEMENT	KINGSTON TWP. ON	
CA	KINGSTON CITY, UTILITIES DEPARTMENT	PORTSMOUTH S.P.S/GARDINERS ST.	KINGSTON CITY ON	
CA	P.U.C.	KING STREET WEST	KINGSTON CITY ON	
CA	FRONTENAC VILLAGE DEV. LTD.	KING ST.	KINGSTON CITY ON	
CA	DUDAR DEVELOPMENT CORPORATION	KING ST. ELEVATOR BAY CONDOM.	KINGSTON CITY ON	
CA	DUDAR DEVELOPMENT CORPORATION	KING ST. LAKE ONTARIO PARK	KINGSTON CITY ON	
CA	P.U.C. KINGSTON	KING ST. WPP., DISINFEC. SYS.	KINGSTON ON	
CA	KINGSTON CITY	KING STREET WEST	KINGSTON CITY ON	
CA	KINGSTON P.U.C.	SIR JOHN A. MACDONALD BLVD.	KINGSTON CITY ON	
CONV	1425445 Ontario Ltd. O/A Utilities Kingston		Kingston ON	
CONV	QUEEN'S UNIVERSITY *		KINGSTON ON	
ECA	The Corporation of the City of Kingston	King Street	Kingston ON	K7L 4X7
ECA	The Corporation of the City of Kingston	Front Road, King Street, Union Street W, Kennedy Street	Kingston ON	K7L 2Z3
ECA	The Corporation of the City of	From King Street West to Union Street	Kingston ON	K7L 2Z3

Kingston

ECA	The Corporation of the City of Kingston	From King Street West to Union Street	Kingston ON	K7L 2Z3
FCS	416-C05 Kingston Penitentiary - Fuel Storage Tanks Southeast of the stores	building	Kingston ON	
GEN	Loweastern Inc.	Union St.	Kingston ON	
GEN	QUEEN'S UNIVERSITY	WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD.	KINGSTON ON	K7L 1H3
GEN	QUEEN'S UNIVERSITY	WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD.	KINGSTON ON	K7L 1H3
GEN	QUEEN'S UNIVERSITY	WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD.	KINGSTON ON	K7L 1H3
GEN	QUEEN'S UNIVERSITY	WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD.	KINGSTON ON	K7L 1H3
GEN	QUEEN'S UNIVERSITY	CANCER RESEARCH LABORATORIES 3RD FLOOR BOTTERELL HALL	KINGSTON ON	K7L 3N6
GEN	QUEEN'S UNIVERSITY 32-009	MN. CAMPUS UNIVERSITY AVE. & UNION ST. C/O 207 STUART ST. RIDEAU BLDG.	KINGSTON ON	K7L 3N6
GEN	QUEEN'S UNIVERSITY	WEST CAMPUS MACARTHUR COLLEGE	KINGSTON ON	
GEN	QUEEN'S UNIVERSITY	WEST CAMPUS / MACARTHUR COLLEGE	KINGSTON ON	K7L 3N6
NPCB	QUEEN'S UNIVERSITY	BETWEEN UNION & JOHNSON ST WEST OF SIR JOHN A MACDONALD	KINGSTON ON	
NPCB	QUEEN'S UNIVERSITY	WEST OF SIR JOHN A MACDONALD; BETWEEN UNION & JOHN	KINGSTON ON	
NPCB	QUEENS UNIVERSITY	DIRECTOR; OCCUPATIONAL HEALTH & SAFETY	KINGSTON ON	K7L 3N6
REC	QUEEN'S UNIVERSITY	CHEMICAL ENG. DEPARTMENT DUPUIS HALL	KINGSTON ON	K7L 3N6
REC	QUEEN'S UNIVERSITY	WEST OF SIR JOHN A. MACDONALD BETWEEN UNION & JOHNSON ST.	KINGSTON ON	K7L 3N6
SCT	Institute Intergovernmntl Rels	Queens University Room 301	Kingston ON	K7L 3N6
SCT	Institute of Intergovernmental Relations	Queens University	Kingston ON	K7L 3N6
SCT	Institute Intergovernmntl Rels	Queen's University Room 301	Kingston ON	K7L 3N6
SPL	Correctional Services Canada<UNOFFICIAL>		Kingston ON	
SPL		Sir John A. MacDonald Blvd to Portsmouth Ave.	Kingston ON	

SPL	ONTARIO HYDRO	LOT 20, CONCESSION I TRANSFORMER	CENTRAL FRONTENAC TOWNSHIP ON
SPL	QUEEN'S UNIVERSITY	QUEENS CENTRAL HEATING PLANT HEATING PLANT	KINGSTON CITY ON
SPL	QUEEN'S UNIVERSITY	QUEEN'S UNIVERSITY HEATING PLANT (CATCH BASIN), KINGSTON HEATING PLANT	KINGSTON CITY ON
SPL	Federal Government of Canada		Kingston ON
SPL	The Corporation of the City of Kingston	King St. W	Kingston ON
SPL	Federal Government of Canada		Kingston ON
SPL	Federal Government of Canada		Kingston ON

Unplottable Report

Site: *P.U.C. KINGSTON
SIR JOHN A. MACDONALD BLVD. KINGSTON CITY ON*

Database:
CA

Certificate #: 7-0283-90-
Application Year: 90
Issue Date: 3/9/1990
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: *KINGSTON CITY
W. OF SIR JOHN A. MACDONALD KINGSTON CITY ON*

Database:
CA

Certificate #: 3-0156-89-
Application Year: 89
Issue Date: 3/7/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: *QUEEN'S UNIVERSITY, CHEMISTRY COMPLEX
UNION STREET CHEMISTRY COMPLEX KINGSTON CITY ON*

Database:
CA

Certificate #: 8-4036-99-
Application Year: 99
Issue Date: 6/16/1999
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description:: FUME HOOD EXHAUSTS AT CHEMISTRY COMPLEX
Contaminants:: Odour/Fumes, Bromine
Emission Control:: No Controls

Site: *The Corporation of the City of Kingston
Union Street Frontenac ON*

Database:
CA

Certificate #: 8834-6HYQNM
Application Year: 2005

Issue Date: 12/30/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: **CONFEDERATION SQUARE LTD.-PT. LTS. 10&11
GARDINER ROAD & EASEMENT KINGSTON TWP. ON**

Database:
CA

Certificate #: 3-0250-90-
Application Year: 90
Issue Date: 4/11/1990
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: **KINGSTON CITY, UTILITIES DEPARTMENT
PORTSMOUTH S.P.S/GARDINERS ST. KINGSTON CITY ON**

Database:
CA

Certificate #: 3-0813-99-
Application Year: 99
Issue Date: 8/18/1999
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: **P.U.C.
KING STREET WEST KINGSTON CITY ON**

Database:
CA

Certificate #: 7-0209-86-
Application Year: 86
Issue Date: 4/7/1986
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: FRONTENAC VILLAGE DEV. LTD.
KING ST. KINGSTON CITY ON

Database:
CA

Certificate #: 7-0064-85-006
Application Year: 85
Issue Date: 3/20/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: DUDAR DEVELOPMENT CORPORATION
KING ST. ELEVATOR BAY CONDOM. KINGSTON CITY ON

Database:
CA

Certificate #: 7-1296-87-
Application Year: 87
Issue Date: 9/16/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: DUDAR DEVELOPMENT CORPORATION
KING ST. LAKE ONTARIO PARK KINGSTON CITY ON

Database:
CA

Certificate #: 3-1797-87-
Application Year: 87
Issue Date: 10/13/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: P.U.C. KINGSTON
KING ST. WPP., DISINFEC. SYS. KINGSTON ON

Database:
CA

Certificate #: 7-0910-98-
Application Year: 98
Issue Date: 9/24/1998
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::

Contaminants::
Emission Control::

Site: KINGSTON CITY
KING STREET WEST KINGSTON CITY ON

Database:
CA

Certificate #: 3-0396-86-
Application Year: 86
Issue Date: 4/28/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: KINGSTON P.U.C.
SIR JOHN A. MACDONALD BLVD. KINGSTON CITY ON

Database:
CA

Certificate #: 7-0720-86-
Application Year: 86
Issue Date: 7/31/1986
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: 1425445 Ontario Ltd. O/A Utilities Kingston
Kingston ON

Database:
CONV

File No.: 096277
Publication Title:
Publication City:
Url:
Crown Brief No.:
Ministry District:
Region:
Description:

On March 30, 2012, the Court delivered a written decision convicting 1425445 Ontario Ltd. o/a Utilities Kingston on one violation under the Ontario Water Resources Act. The conviction relates to non-compliance with a Certificate of Approval for failing to collect a discharge sample of partially treated sewage and have it analyzed. The Court heard that the company is operates a water pollution control plant in Kingston. In January 2009, there was a power failure at the plant. Backup generators were supposed to supply emergency power to the plant during a power failure, but the back-up generators also failed. As a result, the plant discharged partially treated sewage into the St. Lawrence River for a period of six hours. The Certificate of Approval for the plant requires that whenever there is a discharge of partially treated sewage from the facility, a sample must be taken and analyzed. The company failed to take the required sample of the discharge of partially treated sewage. The company was charged following an investigation by the ministry's Investigations and Enforcement Branch. The company was fined \$5,000 plus a victim fine surcharge and given 30 days to pay the fine.

--Details--

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section:

Act/Regulation/Section: OWRA
Date Charged: March 30, 2012
Charge Disposition: fine, victim fine surcharge
Fine: \$5,000

Site: **QUEEN'S UNIVERSITY ***
KINGSTON ON

Database:
CONV

File No.:

Publication Title:

Publication City:

Url:

Crown Brief No.:

Ministry District:

Region:

Description: RECEIVING PCB WASTE AT A WASTE DISPOSAL SITE AND DISPOSING/MANAGING PCB WASTES WITHOUT MEETING THE REQUIREMENTS OF THE REGULATIONS.

--Details--

Publication Date:

Count: 1
Act: EPA
Regulation: 362
Section: 8
Act/Regulation/Section: EPA-362-8
Date Charged: 08/23/1995
Charge Disposition:
Fine: \$18000.00

Publication Date:

Count: 1
Act: EPA
Regulation: 362
Section: 6
Act/Regulation/Section: EPA-362-6
Date Charged: 08/23/1995
Charge Disposition:
Fine: \$18000.00

Site: **The Corporation of the City of Kingston**
King Street Kingston ON K7L 4X7

Database:
ECA

Approval No: 8228-75QK3X
Approval Type: ECA-Municipal Drinking Water Systems
Status: Approved
Approval Date: 2007-08-07
Record Type: ECA
Project Type: Municipal Drinking Water Systems
Link Source: IDS
Full Address:
Full PDF Link:

MOE District:
SWP Area Name:
Address: King Street
City:
Longitude:
Latitude:

Site: **The Corporation of the City of Kingston**
Front Road, King Street, Union Street W, Kennedy Street Kingston ON K7L 2Z3

Database:
ECA

Approval No: 5654-AS9TP3
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Status: Approved
Approval Date: 2017-10-23
Record Type: ECA
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS

MOE District:
SWP Area Name:
Address: Front Road, King Street, Union Street W, Kennedy Street
City: Kingston
Longitude:
Latitude:

Link Source: IDS
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/6098-ANQS7B-14.pdf>

Site: *The Corporation of the City of Kingston
From King Street West to Union Street Kingston ON K7L 2Z3* **Database:**
ECA

Approval No: 4371-5A2PAL **MOE District:**
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE **SWP Area Name:**
WORKS
Status: Approved **Address:** From King Street West to Union Street
Approval Date: 2002-05-13 **City:** Kingston
Record Type: ECA **Longitude:**
Project Type: MUNICIPAL AND PRIVATE SEWAGE **Latitude:**
WORKS
Link Source: IDS
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/3486-59RSP8-14.pdf>

Site: *The Corporation of the City of Kingston
From King Street West to Union Street Kingston ON K7L 2Z3* **Database:**
ECA

Approval No: 4332-5A2P56 **MOE District:**
Approval Type: ECA-Municipal and Private Water Works **SWP Area Name:**
Status: Approved **Address:** From King Street West to Union Street
Approval Date: 2002-05-13 **City:**
Record Type: ECA **Longitude:**
Project Type: Municipal and Private Water Works **Latitude:**
Link Source: IDS
Full Address:
Full PDF Link:

Site: *416-C05 Kingston Penitentiary - Fuel Storage Tanks Southeast of the stores
building Kingston ON* **Database:**
FCS

SGC: 3510010
Site ID: 00026431
Departmental ID:
Depart Code: PEN
Class Type: 2
Class: Medium Priority for Action
Site Name: 416-C05 Kingston Penitentiary - Fuel Storage Tanks Southeast of the stores building
Site Name (FR): 416-C05 Penitencier de Kingston - Réservoirs de produits pétroliers au sud-est du bâtiment du magasin
Site Status: Closed
Site Status Desc (FR): Analyse détaillée terminée. Aucune autre mesure nécessaire.
Site Status (FR): Fermé
Site Status Desc: Detailed testing completed. No further action required.
Involv Code:
Census Division:
Municipality: Kingston
Census Sub Class:
Latitude:
Longitude:
Location:
Protected Data:
FED: 44
Fed Electoral District: Kingston and the Islands
Fed Electoral District (FR): Kingston et les Îles
Metro:
Nearest Pop. Area:
Highest Step Cmpltd: 6
Site Deleted Flag:
Created: 2016-01-28T02:36:00
Modified: 2017-01-11T15:38:01.037
Property No.: 9477

Est m³ Contmnted: 50
Est Ha Contmnted:
Est Tons Contamin:
Km1:
Km10:
Km25:
Km5:
Km50:
Reporting Org: Correctional Service of Canada
Reporting Org (FR): Service correctionnel du Canada
Reason for Involv: Federal Real Property
Reason for Involv (FR): Biens immobiliers fédéraux
Liabile Third Party:
Class (FR): Priorité d'intervention moyenne
Action Plan:
Action Plan (FR):
Site Mgmt Strategy: Remediation, Risk Management
Minimap URL: <http://www.tbs-sct.gc.ca/fcsi-rscf/minimap.aspx?fsi=00026431>
Additional Info:
Additional Info (FR):

Management

Management Code: 2
Management Type (EN): Remediation
Management Type (FR): Restauration

Management Code: B
Management Type (EN): Risk Management
Management Type (FR): Gestion du risque

Contamination

Contaminant: PHCs (petroleum hydrocarbons)
Contaminant (FR): HCP (hydrocarbures pétroliers)
Medium Code: 5
Medium: Soil
Medium (FR): Sol

Contaminant: BTEXs (benzene, toluene, ethylbenzene, and xylene)
Contaminant (FR): BTEX (benzène, toluène, éthylbenzène, xylène)
Medium Code: 5
Medium: Soil
Medium (FR): Sol

Annual Data

Fiscal Year: 2016-2017
Reporting Organization: PEN
Reporting Organization (EN): Correctional Service of Canada
Reporting Organization (FR): Service correctionnel du Canada
Class Type:
Class (EN):
Class (FR):
CCME Flag:
CCME NCS Year:
Step Name (EN):
Step Name (FR):
Highest Step Completed: 06
Highest Step Completed Desc: Reclassify the Site Using CCME National Classification System
Planned Compl Date Step7:
Planned Compl Date Step8:
Planned Compl Date Step9:
Created:
Modified:
NCSCS Year:
Closed: Yes

Cubic Metres: 0
Hectares: 0
Tons: 0
Total Asmt Expenditure: \$0.00
Total Remediation Expenditure: \$0.00
Total Care/Maint Expenditure: \$0.00
Total Mntring Expenditure: \$0.00
Ttl Expenditure Reduc Liabil:
FCSAP Asmt Expenditure: \$0.00
FCSAP Remed Expenditure: \$0.00
FCSAP Care/Maint Expenditure: \$0.00
FCSAP Mntring Expenditure: \$0.00

Annual Data

Fiscal Year: 2015-2016
Reporting Organization: PEN
Reporting Organization (EN): Correctional Service of Canada
Reporting Organization (FR): Service correctionnel du Canada
Class Type:
Class (EN):
Class (FR):
CCME Flag:
CCME NCS Year:
Step Name (EN):
Step Name (FR):
Highest Step Completed: 06
Highest Step Completed Desc: Reclassify the Site Using CCME National Classification System
Planned Compl Date Step7:
Planned Compl Date Step8:
Planned Compl Date Step9:
Created:
Modified:
NCSCS Year:
Closed: No
Cubic Metres: 0
Hectares: 0
Tons: 0
Total Asmt Expenditure: \$18,901.33
Total Remediation Expenditure: \$0.00
Total Care/Maint Expenditure: \$0.00
Total Mntring Expenditure: \$0.00
Ttl Expenditure Reduc Liabil:
FCSAP Asmt Expenditure: \$15,121.06
FCSAP Remed Expenditure: \$0.00
FCSAP Care/Maint Expenditure: \$0.00
FCSAP Mntring Expenditure: \$0.00

Site: Loweastern Inc.
 Union St. Kingston ON

Database:
 GEN

Generator No.: ON8236576
Status:
Approval Years: 03,04
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Site: QUEEN'S UNIVERSITY
 WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON K7L 1H3

Database:
 GEN

Generator No.: ON0145601
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Tom T.M. Martinek
Phone No. Admin: 613-533-6000 Ext.74976

SIC Code: 611110, 611710, 541990
SIC Description: ELEMENTARY AND SECONDARY SCHOOLS, EDUCATIONAL SUPPORT SERVICES, ALL OTHER PROFESSIONAL, SCIENTIFIC AND TECHNICAL SERVICES

--Details--

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 242
Waste Description: HALOGENATED PESTICIDES

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 243
Waste Description: PCBS

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Site: QUEEN'S UNIVERSITY
WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON K7L 1H3

Database:
GEN

Generator No.:	ON0145601	PO Box No.:	
Status:		Country:	Canada
Approval Years:	2016	Choice of Contact:	CO_ADMIN
Contam. Facility:	No	Co Admin:	Tom T.M. Martinek
MHSW Facility:	No	Phone No. Admin:	613-533-6000 Ext.74976
SIC Code:	611110, 611710, 541990		
SIC Description:	ELEMENTARY AND SECONDARY SCHOOLS, EDUCATIONAL SUPPORT SERVICES, ALL OTHER PROFESSIONAL, SCIENTIFIC AND TECHNICAL SERVICES		

--Details--

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 221

Waste Description:	LIGHT FUELS
Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS
Waste Code:	263
Waste Description:	ORGANIC LABORATORY CHEMICALS
Waste Code:	148
Waste Description:	INORGANIC LABORATORY CHEMICALS
Waste Code:	145
Waste Description:	PAINT/PIGMENT/COATING RESIDUES
Waste Code:	241
Waste Description:	HALOGENATED SOLVENTS
Waste Code:	243
Waste Description:	PCBS
Waste Code:	312
Waste Description:	PATHOLOGICAL WASTES
Waste Code:	242
Waste Description:	HALOGENATED PESTICIDES
Waste Code:	121
Waste Description:	ALKALINE WASTES - HEAVY METALS

Site: QUEEN'S UNIVERSITY
WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON K7L 1H3

Database:
GEN

Generator No.:	ON0145601	PO Box No.:	
Status:		Country:	Canada
Approval Years:	2015	Choice of Contact:	CO_ADMIN
Contam. Facility:	No	Co Admin:	Tom T.M. Martinek
MHSW Facility:	No	Phone No. Admin:	613-533-6000 Ext.74976
SIC Code:	611110, 611710, 541990		
SIC Description:	ELEMENTARY AND SECONDARY SCHOOLS, EDUCATIONAL SUPPORT SERVICES, ALL OTHER PROFESSIONAL, SCIENTIFIC AND TECHNICAL SERVICES		

--Details--

Waste Code:	148
Waste Description:	INORGANIC LABORATORY CHEMICALS
Waste Code:	264
Waste Description:	PHOTOPROCESSING WASTES
Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS
Waste Code:	112
Waste Description:	ACID WASTE - HEAVY METALS
Waste Code:	211
Waste Description:	AROMATIC SOLVENTS
Waste Code:	121
Waste Description:	ALKALINE WASTES - HEAVY METALS
Waste Code:	312
Waste Description:	PATHOLOGICAL WASTES
Waste Code:	242
Waste Description:	HALOGENATED PESTICIDES
Waste Code:	243

Waste Description:	PCBS
Waste Code:	145
Waste Description:	PAINT/PIGMENT/COATING RESIDUES
Waste Code:	221
Waste Description:	LIGHT FUELS
Waste Code:	241
Waste Description:	HALOGENATED SOLVENTS
Waste Code:	263
Waste Description:	ORGANIC LABORATORY CHEMICALS

Site: **QUEEN'S UNIVERSITY**
WEST CAMPUS (MCARTHUR COLLEGE) UNION STREET & SIR J.A. MACDONALD BLVD. KINGSTON ON K7L 1H3

Database:
GEN

Generator No.:	ON0145601	PO Box No.:	
Status:	Registered	Country:	Canada
Approval Years:	As of Dec 2017	Choice of Contact:	
Contam. Facility:		Co Admin:	
MHSW Facility:		Phone No. Admin:	
SIC Code:			
SIC Description:			

--Details--

Waste Code:	148 C
Waste Description:	Misc. wastes and inorganic chemicals
Waste Code:	148 L
Waste Description:	Misc. wastes and inorganic chemicals
Waste Code:	252 I
Waste Description:	Waste crankcase oils and lubricants
Waste Code:	264 L
Waste Description:	Photoprocessing wastes
Waste Code:	252 T
Waste Description:	Waste crankcase oils and lubricants
Waste Code:	211 T
Waste Description:	Aromatic solvents and residues
Waste Code:	211 H
Waste Description:	Aromatic solvents and residues
Waste Code:	221 L
Waste Description:	Light fuels
Waste Code:	243 D
Waste Description:	PCB
Waste Code:	112 C
Waste Description:	Acid solutions - containing heavy metals
Waste Code:	121 C
Waste Description:	Alkaline slutions - containing heavy metals
Waste Code:	264 T
Waste Description:	Photoprocessing wastes
Waste Code:	242 T
Waste Description:	Halogenated pesticides and herbicides
Waste Code:	252 L
Waste Description:	Waste crankcase oils and lubricants

Waste Code: 263 I
Waste Description: Misc. waste organic chemicals

Waste Code: 263 B
Waste Description: Misc. waste organic chemicals

Waste Code: 146 T
Waste Description: Other specified inorganic sludges, slurries or solids

Waste Code: 145 I
Waste Description: Wastes from the use of pigments, coatings and paints

Site: QUEEN'S UNIVERSITY
 CANCER RESEARCH LABORATORIES 3RD FLOOR BOTTERELL HALL KINGSTON ON K7L 3N6

Database:
 GEN

Generator No.: ON0145604
Status:
Approval Years: 88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 0000
SIC Description: *** NOT DEFINED ***

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

Site: QUEEN'S UNIVERSITY 32-009
 MN. CAMPUS UNIVERSITY AVE. & UNION ST. C/O 207 STUART ST. RIDEAU BLDG. KINGSTON ON K7L 3N6

Database:
 GEN

Generator No.: ON0145600
Status:
Approval Years: 94,95,96
Contam. Facility:
MHSW Facility:
SIC Code: 8531
SIC Description: UNIVERSITY EDUCATION

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

--Details--

Waste Code: 114
Waste Description: OTHER INORGANIC ACID WASTES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 243
Waste Description: PCB'S

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 261
Waste Description: PHARMACEUTICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Site: **QUEEN'S UNIVERSITY**
WEST CAMPUS MACARTHUR COLLEGE KINGSTON ON

Database:
GEN

Generator No.: ON0145600
Status:
Approval Years: 92,93
Contam. Facility:
MHSW Facility:
SIC Code: 8531
SIC Description: UNIVERSITY EDUCATION

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

--Details--

Waste Code: 114
Waste Description: OTHER INORGANIC ACID WASTES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 243
Waste Description: PCB'S

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 261
Waste Description: PHARMACEUTICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Site: **QUEEN'S UNIVERSITY**
WEST CAMPUS / MACARTHUR COLLEGE KINGSTON ON K7L 3N6

Database:
GEN

Generator No.: ON0145601
Status:
Approval Years: 86,87,88
Contam. Facility:
MHSW Facility:
SIC Code: 8531
SIC Description: UNIVERSITY EDUCATION

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

--Details--

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Site: QUEEN'S UNIVERSITY
BETWEEN UNION & JOHNSON ST WEST OF SIR JOHN A MACDONALD KINGSTON ON

Database:
NPCB

Company Code: F1305
Industry: UNDEFINED
Site Status:
Transaction Date:
Inspection Date:

Site: QUEEN'S UNIVERSITY
WEST OF SIR JOHN A MACDONALD; BETWEEN UNION & JOHN KINGSTON ON

Database:
NPCB

Company Code: F1458
Industry:
Site Status:
Transaction Date: 1/29/1996
Inspection Date:

--Details--

Label:
Serial No.:
PCB Type/Code: High > 10,000 ppm
Location:
Item/State:
No. of Items:
Manufacturer:
Status: Stored for Disposal
Contents: 300.00 KG

Label:
Serial No.:
PCB Type/Code: Askarel
Location:
Item/State:
No. of Items:
Manufacturer:
Status: Stored for Disposal
Contents: 400.00 KG

Label:
Serial No.:
PCB Type/Code: Unknown concentration
Location:
Item/State:
No. of Items:
Manufacturer:
Status: Stored for Disposal
Contents: 1084.00 KG

Label:
Serial No.:
PCB Type/Code: High > 10,000 ppm
Location:

Item/State:
No. of Items:
Manufacturer:
Status: Stored for Disposal
Contents: 4400.00 KG

Site: QUEENS UNIVERSITY
DIRECTOR; OCCUPATIONAL HEALTH & SAFETY KINGSTON ON K7L 3N6

Database:
NPCB

Company Code: O0015
Industry: School/Care/Facility
Site Status:
Transaction Date: 7/18/1991
Inspection Date: 12/6/1991

Site: QUEEN'S UNIVERSITY
CHEMICAL ENG. DEPARTMENT DUPUIS HALL KINGSTON ON K7L 3N6

Database:
REC

Rec Op Div:
Co Admin:
Phone No Admin:
Rec Div:
Rec Op Name:
Choice of Contact:
Site Bldg:
Site PO Box:
Receiver #:: RR6060
Facility Type: MISCELLANEOUS
Approval Yrs:: 92,06,07,08

Site: QUEEN'S UNIVERSITY
WEST OF SIR JOHN A. MACDONALD BETWEEN UNION & JOHNSON ST. KINGSTON ON K7L 3N6

Database:
REC

Rec Op Div:
Co Admin:
Phone No Admin:
Rec Div:
Rec Op Name:
Choice of Contact:
Site Bldg:
Site PO Box:
Receiver #:: 401-92A014
Facility Type: TRANSFER STATION
Approval Yrs:: 94,95,96,97,98,99,00,01,02,03,04,05,06,07,08

--Details--
Waste Code: 243
Waste Description: PCB'S

Site: Institute Intergovernmentl Rels
Queens University Room 301 Kingston ON K7L 3N6

Database:
SCT

Established: 1965
Plant Size (ft²):
Employment:

--Details--
Description: Book Publishers
SIC/NAICS Code: 511130
Description: Research and Development in the Physical, Engineering and Life Sciences
SIC/NAICS Code: 541710

Site: *Institute of Intergovernmental Relations
Queens University Kingston ON K7L 3N6*

Database:
SCT

Established:
Plant Size (ft²):
Employment:

--Details--

Description: Book Publishers
SIC/NAICS Code: 511130

Site: *Institute Intergovernmental Rels
Queen's University Room 301 Kingston ON K7L 3N6*

Database:
SCT

Established: 01-AUG-65
Plant Size (ft²):
Employment:

--Details--

Description: Research and Development in the Physical, Engineering and Life Sciences
SIC/NAICS Code: 541710

Description: Book Publishers
SIC/NAICS Code: 511130

Site: *Correctional Services Canada<UNOFFICIAL>
Kingston ON*

Database:
SPL

Ref No:	5305-8NWRFZ	Sector Type:	Sewage Treatment
Contaminant Name:		Source Type:	
Contaminant Code:		Receiving Medium:	Sewage - Municipal/Private and Commercial
Contaminant Limit 1:		Receiving Env:	
Contam Limit Freq 1:		Environment Impact:	Confirmed
Contaminant UN No 1:		Nature of Impact:	
Contaminant Qty:		SAC Action Class:	Land Spills
Material Group:		Year:	
MOE Reported Dt:	11/24/2011	Site Address:	
Health/Env Conseq:		Site Conc:	
Incident Dt:	11/24/2011	Site Lot:	
Incident Cause:		Site County/District:	
Incident Event:		Site Municipality:	Kingston
Incident Reason:		Site Postal Code:	
Incident Summary:	Joyceville Penetentiary - sewer line discharge		

Site: *Sir John A. MacDonald Blvd to Portsmouth Ave. Kingston ON*

Database:
SPL

Ref No:	5787-AAZUY3	Sector Type:	Electric Power Generation
Contaminant Name:	MINERAL OIL	Source Type:	
Contaminant Code:	13	Receiving Medium:	
Contaminant Limit 1:		Receiving Env:	Land
Contam Limit Freq 1:		Environment Impact:	
Contaminant UN No 1:		Nature of Impact:	
Contaminant Qty:	30 other - see incident description	SAC Action Class:	Land Spills
Material Group:		Year:	
MOE Reported Dt:	2016/06/17	Site Address:	Sir John A. MacDonald Blvd to Portsmouth Ave.
Health/Env Conseq:		Site Conc:	
Incident Dt:	2016/06/17	Site Lot:	
Incident Cause:		Site County/District:	
Incident Event:	Leak/Break	Site Municipality:	Kingston

Incident Reason: Equipment Failure
Incident Summary: 30L of transformer oil (Non PCBs) to ground _
Kingston ON

Site Postal Code:

Site: **ONTARIO HYDRO**
LOT 20, CONCESSION I TRANSFORMER CENTRAL FRONTENAC TOWNSHIP ON

Database:
SPL

Ref No:	70846	Sector Type:	
Contaminant Name:		Source Type:	
Contaminant Code:		Receiving Medium:	LAND
Contaminant Limit 1:		Receiving Env:	
Contam Limit Freq 1:		Environment Impact:	CONFIRMED
Contaminant UN No 1:		Nature of Impact:	Soil contamination
Contaminant Qty:		SAC Action Class:	
Material Group:		Year:	
MOE Reported Dt:	5/19/1992	Site Address:	
Health/Env Conseq:		Site Conc:	
Incident Dt:	5/19/1992	Site Lot:	
Incident Cause:	COOLING SYSTEM LEAK	Site County/District:	
Incident Event:		Site Municipality:	46616
Incident Reason:	EQUIPMENT FAILURE	Site Postal Code:	
Incident Summary:	ONTARIO HYDRO: 15 L OIL TO LAND FROM TRANSFORMER		

Site: **QUEEN'S UNIVERSITY**
QUEENS CENTRAL HEATING PLANT HEATING PLANT KINGSTON CITY ON

Database:
SPL

Ref No:	83409	Sector Type:	
Contaminant Name:		Source Type:	
Contaminant Code:		Receiving Medium:	LAND
Contaminant Limit 1:		Receiving Env:	
Contam Limit Freq 1:		Environment Impact:	NOT ANTICIPATED
Contaminant UN No 1:		Nature of Impact:	
Contaminant Qty:		SAC Action Class:	
Material Group:		Year:	
MOE Reported Dt:	3/2/1993	Site Address:	
Health/Env Conseq:		Site Conc:	
Incident Dt:	3/2/1993	Site Lot:	
Incident Cause:	PIPE/HOSE LEAK	Site County/District:	
Incident Event:		Site Municipality:	46102
Incident Reason:	ERROR	Site Postal Code:	
Incident Summary:	QUEEN'S UNIVERSITY-13.6 M3 BUNKER "C" TO GROUND, CONTAINED,CLEANED- UP.		

Site: **QUEEN'S UNIVERSITY**
QUEEN'S UNIVERSITY HEATING PLANT (CATCH BASIN), KINGSTON HEATING PLANT KINGSTON CITY ON

Database:
SPL

Ref No:	43301	Sector Type:	
Contaminant Name:		Source Type:	
Contaminant Code:		Receiving Medium:	LAND
Contaminant Limit 1:		Receiving Env:	
Contam Limit Freq 1:		Environment Impact:	POSSIBLE
Contaminant UN No 1:		Nature of Impact:	Soil contamination
Contaminant Qty:		SAC Action Class:	
Material Group:		Year:	
MOE Reported Dt:	11/12/1990	Site Address:	
Health/Env Conseq:		Site Conc:	
Incident Dt:	11/8/1990	Site Lot:	
Incident Cause:	CONTAINER OVERFLOW	Site County/District:	
Incident Event:		Site Municipality:	46102
Incident Reason:	ERROR	Site Postal Code:	
Incident Summary:	QUEEN'S UNIVERSITY: 180 LDIESEL INTO CATCH BASIN. TANK OVERFILLING.		

Site: Federal Government of Canada
Kingston ON

Database:
SPL

Ref No: 6064-8G3NU3
Contaminant Name: CHLORINATED WATER
Contaminant Code: 99
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 88 L
Material Group:
MOE Reported Dt: 4/19/2011
Health/Env Conseq:
Incident Dt: 4/19/2011
Incident Cause: Discharge Or Bypass To A Watercourse
Incident Event:
Incident Reason: Equipment Failure
Incident Summary: Joyceville Inst. 88L chlN water to R. Styx.
Kingston

Sector Type: Water Supply
Source Type:
Receiving Medium:
Receiving Env:
Environment Impact: Confirmed
Nature of Impact: Surface Water Pollution
SAC Action Class: Watercourse Spills
Year:
Site Address:
Site Conc:
Site Lot:
Site County/District:
Site Municipality: Kingston
Site Postal Code:

Site: The Corporation of the City of Kingston
King St. W Kingston ON

Database:
SPL

Ref No: 1522-85BQDM
Contaminant Name: HYDRAULIC OIL
Contaminant Code: 15
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 40 L
Material Group:
MOE Reported Dt: 5/10/2010
Health/Env Conseq:
Incident Dt:
Incident Cause: Pipe Or Hose Leak
Incident Event:
Incident Reason: Spill
Incident Summary: 40L of hydraulic oil to gnd. contnd. Kingston

Sector Type: Motor Vehicle
Source Type:
Receiving Medium:
Receiving Env:
Environment Impact: Confirmed
Nature of Impact: Soil Contamination
SAC Action Class: Land Spills
Year:
Site Address:
Site Conc:
Site Lot:
Site County/District:
Site Municipality:
Site Postal Code:

Site: Federal Government of Canada
Kingston ON

Database:
SPL

Ref No: 3081-9P3L9P
Contaminant Name: SEWAGE,RAW UNCHLORINATED
Contaminant Code: 44
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 0 other - see incident description
Material Group:
MOE Reported Dt: 2014/09/18
Health/Env Conseq:
Incident Dt: 2014/09/18
Incident Cause: Bypass
Incident Event:
Incident Reason: Equipment Failure
Incident Summary: Joyceville Institute, raw unchlorinated, plant
bypass

Sector Type: Sewage Treatment
Source Type:
Receiving Medium:
Receiving Env:
Environment Impact: Confirmed
Nature of Impact: Surface Water Pollution
SAC Action Class: Watercourse Spills
Year:
Site Address:
Site Conc:
Site Lot:
Site County/District:
Site Municipality: Kingston
Site Postal Code: NA

Site: Federal Government of Canada
Kingston ON

Database:
SPL

Ref No: 3880-9MVQKG
Contaminant Name: SEWAGE,SECONDARY UNCHLORINATED

Sector Type: Sewage Treatment
Source Type:

Contaminant Code: 44
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 0 other - see incident description
Material Group:
MOE Reported Dt: 2014/08/11
Health/Env Conseq:
Incident Dt: 2014/08/11
Incident Cause: Overflow/Surcharge
Incident Event:
Incident Reason: Equipment Failure
Incident Summary: Joyceville, STP, disinfection pumps out

Receiving Medium:
Receiving Env:
Environment Impact: Confirmed
Nature of Impact: Surface Water Pollution
SAC Action Class: Sewage Bypasses / Overflows
Year:
Site Address:
Site Conc:
Site Lot:
Site County/District:
Site Municipality: Kingston
Site Postal Code: NA

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

AGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial

AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Sep 2017

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-Nov 2016

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

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-Jan 31, 2018

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 2014

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*

Commercial Fuel Oil Tanks:

Provincial

CFOT

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

Government Publication Date: Feb 28, 2017

Chemical Register:

Private

CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2018

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 31, 2012

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-Nov 2017

Certificates of Property Use:

Provincial

CPU

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

Government Publication Date: 1994-Oct 2017

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-Nov 30, 2017

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-Jan 31, 2018

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-Oct 2017

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-Jan 31, 2018

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-Feb 28, 2018

Environmental Issues Inventory System:

Federal

EIIS

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial

EMHE

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Dec 31, 2016

List of TSSA Expired Facilities:

Provincial

EXP

List of facilities with removed tanks which were once registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed automatically fall under the expired facilities inventory held by TSSA.

Government Publication Date: Feb 28, 2017

Federal Convictions:

Federal

FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal

FCS

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government.

Government Publication Date: Jun 2000-Dec 2017

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 2017

Fuel Storage Tank:

Provincial

FST

The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic:

Provincial

FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-December 31, 2017

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 2015

TSSA Historic Incidents:

Provincial

HINC

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. 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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

TSSA Incidents:

Provincial

INC

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario:

Provincial

LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills will include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Dec 31, 2013

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 2017

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, 2016

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-Aug 2010

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 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-Dec 31, 2017

National Energy Board Wells:

Federal

NEBW

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003***National PCB Inventory:**

Federal

NPCB

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

Government Publication Date: 1988-2008***National Pollutant Release Inventory:**

Federal

NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-May 2017**Oil and Gas Wells:**

Private

OGW

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-December 31, 2017**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-Oct 2017**Inventory of PCB Storage Sites:**

Provincial

OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

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

Provincial

ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994-Oct 2017**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**Parks Canada Fuel Storage Tanks:**

Federal

PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial PES

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

Government Publication Date: 1988-Aug 2017

TSSA Pipeline Incidents:

Provincial PINC

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks:

Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994-Oct 2017

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-2016

Record of Site Condition:

Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Nov 2017

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-Jan 31, 2018

Scott's Manufacturing Directory:

Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Sep 2017

Wastewater Discharger Registration Database:

Provincial

SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2016

Anderson's Storage Tanks:

Private

TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal

TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970-Aug 2017

TSSA Variances for Abandonment of Underground Storage Tanks:

Provincial

VAR

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory:

Provincial

WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERI'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-Jan 31, 2018

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 ERI'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: Mar 31, 2017

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 D
CORRESPONDENCE WITH REGULATORY AGENCIES

Ministry of the Environment
and Climate Change

Freedom of Information and
Protection of Privacy Office

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

Ministère de l'Environnement et de
l'Action en matière de changement
climatique

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

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



April 11, 2018

Caroline Keddy
XCG Consulting Limited
4 Cataraqui St., Woolen Mill, East Wing, Ste 100
Kingston, ON K7K 1Z7

Dear Caroline Keddy:

RE: *Freedom of Information and Protection of Privacy Act Request*
Our File #: A-2018-01897, Your Reference #: 1-898-25-02

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 40 Sir John A. MacDonald Boulevard, Kingston.

After a thorough search of the Ministry's Kingston District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch, and Safe Drinking Water Branch, records were located in response to your request. It is my decision to provide full access to the attached information.

In accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, detailed below are our charges:

• Search Time 1 hour @ \$30/hour	\$ 30.00
• Copying 2 pages @ \$0.20/page	0.40
• Delivery	3.00
• Total	\$ 33.40
• Deposit Received	- 30.00
• BALANCE WAIVED (NOT REQUIRED)	\$ 3.40

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Jelena Stankovic at jelena.stankovic@ontario.ca.

Yours truly,


Janet Dadufalza
FOI Manager

Attachments

File Copy for ON0062507 SCHEDULE 'A' - FILE COPY

September 23, 1998

CORRECTIONAL SERVICE CANADA
WESTLAKE HALL, 466 UNION STREET
P.O. BOX 1174
KINGSTON, ONT
K7L 4Y8

Attention: MS. TERESA GARRAHAN

Re: Acknowledgement of Subject Waste Registration

In accordance with Subsection 18(3) of Ontario Regulation 347, this letter acknowledges receipt of your Generator Registration report dated August 27, 1998. The Generator Registration Number assigned to your company is:

ON0062507

for the site located at: 40 SIR JOHN A MACDONALD BOULEVARD

KINGSTON
ONT

A list of acknowledged waste number(s) is attached as Schedule 'A'. The format of this schedule has been modified since July 1993. A waste number now appears only once, regardless of the number of different waste streams which may have identical waste numbers. The waste description is also generic. However, you are still required to register all waste streams, even if they have identical waste numbers.

For off-site disposal of subject waste, the appropriate waste number(s) acknowledged in Schedule 'A', and the Generator Registration Number, must be entered in Part A of each manifest form after receipt of this generator registration document. Under Ontario's Environmental Protection Act, the property receiving the waste must be approved as a disposal site for the waste it is receiving. The disposal of waste at an uncertified site is illegal.

The selection of accurate waste numbers is your responsibility. This acknowledgement must not be considered a confirmation of the accuracy of the information submitted by you. Should the waste number(s) you have selected be deemed incorrect by the Ministry, or improper waste disposal occurs at any time, you may be subject to legal action as provided by the Environmental Protection Act and Regulation 347.

SCHEDULE 'A'

In accordance with information submitted with your generator registration report(s), the site indicated below is registered for the waste number(s) shown on this schedule, which may represent more than one waste stream. This attached Schedule forms part of the acknowledgement of generator registration report dated August 27, 1998 for the following site:

CORRECTIONAL SERVICE CANADA
40 SIR JOHN A MACDONALD BOULEVARD

KINGSTON
ONT

identified by Generator Registration Number ON0062507, dated in Toronto, September 23, 1998.

<u>WASTE STREAM</u>	<u>WASTE NUMBER</u>
PHARMACEUTICALS	261A
PATHOLOGICAL WASTES	312P

— End of List —

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: April-05-18 3:32 PM
To: Caroline Keddy
Subject: Record Found (Fuels only)

Record Found (Fuels only):

Hello Caroline. Thank you for your request for confirmation of public information.

I have searched the below noted address(es) and I have located the following record:

- 40 Sir John A. Macdonald Boulevard, Kingston: 1 active underground fuel tank

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationsservices@tssa.org or through mail along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind regards,

Gaya

From: Caroline Keddy <caroline.keddy@xcg.com>
Sent: March 21, 2018 3:47 PM
To: Public Information Services <publicinformationsservices@tssa.org>
Cc: Natalia Baranova <natalia.baranova@xcg.com>
Subject: Records Verification

Good afternoon,

Could you please verify if you have any records for the property at 40 Sir John A. Macdonald Boulevard, Kingston?

Thank you,
Caroline

Caroline Keddy, B.Sc.H
Project Specialist

XCG Consulting Limited Environmental Engineers & Scientists
4 Cataraqui Street, Woolen Mill, East Wing, Suite 100
Kingston, Ontario, Canada K7K 1Z7
www.xcg.com | T 613 542 5888 x7113 | D 613 417 7113 | F 613 542 0844 | C 613 484 1245



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APPENDIX E
SITE PHOTOGRAPHS



Photo 1: View of the subject site facing southeast. The electrical room and pad mounted transformer is visible.



Photo 2: View of the adjacent property to the east which is occupied by the Regional Headquarters of Correctional Service Canada.



Photo 3: View of the adjacent property to the north occupied by Queen's University, West Campus.



Photo 4: View of the adjacent property to the south occupied by the Correctional Service of Canada Museum.



Photo 5: View of the retaining wall and sloped land along the west property boundary.



Photo 6: Bay door leading to the automotive garage on the south side of the building.



Photo 7: Electrical conduit located outside, adjacent to the utility building.



Photo 8: Chemical storage located in the facility washroom.



Photo 9: Miscellaneous storage located in the vacant portion of the building.



Photo 10: Historical automotive garage area.



Photo 11: Floor drain observed in the historical automotive garage.



Photo 12: Bullets observed on the floor from police training exercises.



Photo 13: Steam tunnel located in the basement.



Photo 14: Pit observed in the basement utility room.



Photo 15: Broken tile observed in the office area.



Photo 16: Potential mould observed on bathroom door.



Photo 17: Peeling paint observed in one cell.



Photo 18: Peeling paint observed in the hallway.