

**UNIVERSITY HEALTH NETWORK**

- and -

**CITY OF TORONTO**

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**GROUND LEASE  
PARKDALE CAMPUS**

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Dated the 10<sup>th</sup> day of March, 2022

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## **GROUND LEASE**

This Ground Lease is made the 10<sup>th</sup> day of March, 2022.

**B E T W E E N :**

**UNIVERSITY HEALTH NETWORK**

(the “**Landlord**”)

OF THE FIRST PART;

- and -

**CITY OF TORONTO**

(the “**Tenant**”)

OF THE SECOND PART;

**WHEREAS** pursuant to the Social Medicine Initiative Memorandum of Understanding dated August 16, 2019 (as the same may be amended from time to time, the “**MOU**”) between the Landlord, the Tenant and United Way Greater Toronto, the Landlord and the Tenant agreed to seek ways in which to improve outcomes across a broad range of issues identified in the Tenant’s Poverty Reduction Strategy, including access to affordable and supportive housing and services;

**AND WHEREAS** the Landlord is the registered and beneficial owner in fee simple of the Lands with good title thereto free and clear of all encumbrances, except the Permitted Encumbrances set forth in Schedule “C”;

**AND WHEREAS** the Landlord has agreed to lease to the Tenant, and the Tenant has agreed to lease from the Landlord, the Leased Lands in order for the Tenant to develop and construct modular affording housing in accordance with and subject to the terms and conditions contained in this Ground Lease;

**NOW THEREFORE**, in consideration of the rents, covenants and agreements hereinafter reserved and contained on the part of the Tenant to be paid, observed and performed and other good and valuable consideration now paid by each of the Parties to the other (the receipt and sufficiency of which is hereby acknowledged by each of the Parties), the Landlord leases the Leased Lands to the Tenant, in accordance with and subject to the terms and conditions of this Ground Lease, and the Landlord and the Tenant covenant and agree, each with the other, as follows:

## **ARTICLE I** **DEFINITIONS AND SCHEDULES**

### **1.1 Definitions**

In this Ground Lease, unless the context expressly or by necessary implication requires otherwise, the following words and terms have the respective meanings set out below. Certain additional terms not defined in this Section 1.1 have been defined within specific Sections or articles of this Ground Lease. Whether a word or term has been defined in this Section 1.1 or elsewhere does not affect the meaning or interpretation of the word or term.

“**Act of Bankruptcy**” means if the Tenant shall make an assignment for the benefit of creditors, or an assignment in bankruptcy or shall take advantage in respect of its own affairs of any statute for relief in bankruptcy, moratorium, settlement with creditors, or similar relief of bankrupt or insolvent debtors, or if a receiving order is made against the Tenant or if the Tenant is adjudged bankrupt or insolvent, or if a liquidator or receiver of any property of the Tenant is appointed by reason of any action or alleged insolvency of the Tenant, or if the interest of the Tenant in this Ground Lease or the Facilities shall become liable to be taken or sold under any writ of execution or other like process which shall remain undischarged for thirty (30) days;

**“Adjacent Lands”** means the Lands, save and except the Leased Lands;

**“Amenity Space”** means those portions of the Adjacent Lands shown in yellow as “Additional Amenity Space” on the plan attached to this Ground Lease as Schedule “B.1”;

**“Approval”** means any approval of the Landlord, required or contemplated under this Ground Lease, to be given or withheld, as the case may be, on the following basis, namely such approval of the Landlord shall not be unreasonably or arbitrarily withheld or delayed; any request for approval shall be made by Notice, and each request for approval shall be in writing; with any refusal to grant the Tenant’s request for approval, the Landlord shall by Notice deliver written reasons for its refusal to the Tenant; and **“Approved”** has a corresponding meaning;

**“Arbitration Panel”** shall have the meaning given that term in Section 15.1;

**“Arbitration Act”** means the *Arbitration Act*, 1991, S.O. 1991, c-17;

**“Assumption Agreement”** shall have the meaning given that term in Section 10.3;

**“Authority”** means any federal, provincial, regional or municipal government, ministry, department, board, agency or other authority (including, without limitation, suppliers of public utilities) having jurisdiction over the Leased Lands, and **“Authorities”** means every Authority;

**“Base Rent”** shall have the meaning given that term in Section 3.1;

**“Business Day”** means each of Monday, Tuesday, Wednesday, Thursday and Friday, except when any such day occurs on a statutory holiday observed in Ontario and **“Business Days”** has a corresponding meaning;

**“Claims”** means claims, losses, damages, suits, judgments, actions, causes of action, legal proceedings, executions, demands, penalties or other sanctions of every nature and kind whatsoever and all liabilities of every nature and kind whatsoever, whether accrued, actual, contingent or otherwise, and any and all costs and expenses incurred in connection therewith, including, without limitation, legal fees and disbursements on a full indemnity basis;

**“Commencement Date”** means March 10, 2022;

**“Construction Lay Down Areas”** means those portions of the Adjacent Lands shown as Construction Lay Down Areas on the plan attached to this Ground Lease as Schedule “D”;

**“Damage”** shall have the meaning given that term in Section 11.12(k);

**“Environmental Laws”** means all federal, provincial and municipal laws, regulations, by-laws, standards, requirements, ordinances, codes, policies, guidelines, Orders, Environmental Notices, Environmental Permits and directives pertaining to the protection, conservation, utilization, impairment or degradation of the Environment in effect from time to time;

**“Environment”** includes air, land, groundwater and surface water;

**“Environmental Notice”** means any citation, directive, Order, inspection, proceeding, judgment or other communication, written or oral, actual or threatened;

**“Environmental Permit”** means any permit, certificate, authorization, license, right or exemption or the like issued or granted by any Authority pursuant to or under any Environmental Laws;

**“Event of Default”** shall have the meaning given that term in Section 13.1(a);

**“Facilities”** means the modular housing facilities containing individual self-contained units (including without limitation with bathrooms and kitchens) that the Tenant will

design, construct, own and operate on the Leased Lands that may, but not necessarily, include outdoor amenity, playing and seating areas, bicycle storage facilities (which may or may not be contained in a separate structure located on the Leased Lands), parking lots, lighting and other facilities, buildings or structures incidental to the primary modular housing facilities located on, in or within the Leased Lands and together with offices, general kitchen facilities, general recreational spaces and any other related services, facilities, counselling or other assistance provided to the residents of the Building from time as are considered appropriate by the Tenant;

**“Force Majeure”** means any act, event, cause or condition that prevents a Party from performing its obligations (other than payment obligations) pursuant to this Lease, that is beyond the affected Party’s reasonable control, and shall include: (a) acts of God, including extreme wind, ice, lightning or other storms, earthquakes, tornados, hurricanes, cyclones, landslides, drought, floods and washouts; (b) fires or explosions; (c) local, regional or national states of emergency; (d) general strikes and other labour disputes; (e) civil disobedience or disturbance, war (whether declared or not), acts of sabotage, blockades, insurrections, terrorism, revolution, riots, epidemics or pandemics; (f) an order, judgment, legislation, ruling or direction by Authorities restraining a Party, provided that the affected Party has not applied for or assisted in the application for and has used commercially reasonable efforts to oppose said order, judgment, legislation, ruling or direction; and (g) any inability to obtain or to secure the renewal or amendment of, any permit, certificate, impact assessment, licence, approval of any Authority required to perform or comply with any obligations under this Lease, unless the licence or approval was caused by the violation of the terms hereof or consented to by the Party invoking Force Majeure;

**“Freehold Mortgage”** means any mortgage, charge, debenture or security instrument (including a deed of trust and mortgage securing bonds and all indentures supplemental thereto) which may now or hereafter affect the freehold title of the Landlord in the Leased Lands;

**“Freehold Mortgagee”** means the mortgagee, chargee, secured party or trustee for bondholders, as the case may be, named in a Freehold Mortgage;

**“Ground Lease”** means this ground lease, as it may be amended, supplemented, replaced or restated from time to time;

**“Hazardous Substance”** means any substance or material whose Release, transport, use or storage or handling is regulated or prohibited by any Authority under any Environmental Laws including, without limiting the generality of the foregoing, any contaminant, pollutant, deleterious substance, inflammable liquid, chemical, explosive material or material which may impair life or health, any petroleum or other hydrocarbon and any derivative or by-product thereof, any dangerous substance or goods, asbestos, any gaseous, solid or liquid waste, any special waste, toxic or hazardous substance or chemical, any hazardous waste, material or substance, as defined in or pursuant to any Environmental Laws;

**“Health Emergency”** means a situation in which the Landlord and the Tenant jointly determine, each acting reasonably and based on advice from a medical professional, or a directive, a bulletin, notice or other form of communication from a public health authority, that occupants, tenants, invitees or contractors working at the Lands are or may be exposed to imminent danger from a disease, virus or other biological or physical agents that may be detrimental to human health including, by way of example, severe acute respiratory syndrome (SARS) virus, the 2009 H1N1 flu and the 2019 novel coronavirus disease (COVID-19).

**“HST”** means the harmonized sales tax payable pursuant to Part IX of the *Excise Tax Act*, R.S. 1985, c.E-15 (and any successor tax thereto);

**“Health Emergency Plan”** means a plan prepared by or for the Landlord for managing the Lands in response to a Health Emergency as may be amended from time to time;

**“Improvements”** means all buildings, structures, fixtures and other fixed improvements constructed by or on behalf of the Tenant on, in or under the Leased Lands at any time and from time to time, including without limitation the Facilities;

**“Indemnified Parties”** shall have the meaning given that term in Section 9.7;

**“Landlord”** means the party of the first part, its successors and assigns;

**“Landlord’s Covenants”** means all of the terms, covenants and conditions of this Ground Lease on the part of the Landlord to be observed and performed;

**“Landlord’s Employees”** means the Landlord’s directors, officers, employees, servants, agents and those for whom the Landlord is responsible at law;

**“Landlord’s Services Work”** means shall have the meaning given that term in Section 8.9;

**“Lands”** means the lands owned by the Landlord legally described in Schedule “A” and commonly known as the Parkdale Campus;

**“Law”** means every statute, law, by-law, regulation, ordinance, requirement and order from time to time or at any time having the force of law, in force during the Term affecting in any way the Leased Lands or the Improvements or the condition, maintenance, use or occupation of the Leased Lands or the Improvements, as any of the foregoing may be interpreted and applied from time to time by courts or other tribunals of competent jurisdiction; **“Laws”** has a corresponding meaning;

**“Leased Lands”** means the lands leased to the Tenant by this Ground Lease as shown outlined in green on the plan attached to this Ground Lease as Schedule “B.1” (together with all easements, rights, hereditaments and appurtenances belonging or pertaining thereto) and otherwise as legally described in Schedule “B”;

**“Notice”** means a written notice sent in accordance with Section 16.8 of this Ground Lease;

**“OHSA”** shall have the meaning given that term in Section 8.1;

**“Operator”** shall have the meaning ascribed thereto in Section 10.3;

**“Order”** means any order, decision, decree, judgment, ruling, claim or the like from or by any Authority under Environmental Laws;

**“Party”** means either the Landlord or the Tenant and **“Parties”** means the Landlord and the Tenant;

**“Permitted Encumbrances”** means the encumbrances affecting the Leased Lands set forth in Schedule “C”;

**“Permitted Transfer”** shall have the meaning ascribed thereto in Section 10.3;

**“Permitted Transferee”** shall have the meaning ascribed thereto in Section 10.3;

**“Person”** means an individual, a partnership, a co-ownership arrangement, a corporation, a government or any department or agency thereof, a trustee, any unincorporated organization or association and the heirs, estate trustees or other legal representatives of an individual;

**“Planning Act”** means the *Planning Act*, R.S.O. 1990, c. P.13, as amended from time to time;

**“Planning Approvals”** means all official plan amendments, zoning approvals (including without limitation, Ministerial Zoning Orders), site plan approvals, conservation authority approvals, permits required under the *Building Code Act*, and any other Authority approvals, consents, authorizations, agreements and permits, necessary for the Tenant to develop and construct the Project;

**“Prime Rate”** means the rate of interest per annum established and quoted from time to time by the Landlord’s banking institution as its reference rate of interest for the determination of interest rates that it charges customers of varying degrees of creditworthiness for Canadian dollar loans made by it in Ontario;

**“Project”** means the use of the Leased Lands for the construction and operation of the Facilities;

**“Release”** includes any release, discharge, emission, disposal or dumping into or within the Environment;

**“Rent”** means the amounts more particularly described in Section 3.1, being the aggregate of the Base Rent payable pursuant to Section 3.1, plus all other amounts payable by the Tenant under this Ground Lease, whether payable to the Landlord or otherwise;

**“Residential Tenancies Act”** means the *Residential Tenancies Act*, 2006, S.O. 2006, c. 17, as amended from time to time;

**“Services”** shall have the meaning ascribed thereto in Section 7.1(a);

**“Storage Tank Area”** means the portion of the Lands shaded in blue on the plan attached to this Ground Lease as Schedule “B.1” and all related piping and other infrastructure shown in red, to the extent that such piping and infrastructure is not located on the Leased Lands;

**“Storage Tank Easement”** shall have the meaning ascribed thereto in Section 2.1;

**“Storage Tank Infrastructure”** means the infrastructure and equipment relating to the subsurface storm water storage unit to be installed on the Lands;

**“Substantial Performance Date”** means the date of substantial performance of the construction contract entered into by the Tenant for the construction of the Facilities, within the meaning of that term in the *Construction Act*, R.S.O. 1990 c. C. 30, as amended;

**“Taxes”** means all taxes, rates, duties, charges, assessments, impositions, levies, charges for local improvements and/or licence fees imposed by any Authority, general and special, ordinary and extraordinary, foreseen and unforeseen, of every nature and kind whatsoever, levied, charged or assessed upon or in respect of the Leased Lands and the Facilities, or upon any part or parts thereof and all Improvements now or hereafter erected or placed on the Leased Lands, or charged against the Landlord on account thereof, including but not limited to local improvement charges, but excluding any taxes personal to the Landlord, such as income and corporate taxes. In addition to the foregoing, Taxes shall include any and all taxes, charges, rates, duties, impositions, levies or assessments which may in the future be levied, charged or assessed in lieu thereof or in addition thereto;

**“Tenant”** means the party of the second part, its successors and permitted assigns;

**“Tenant’s Covenants”** means all of the terms, covenants and conditions of this Ground Lease on the part of the Tenant to be observed and performed;

**“Tenant’s Employees”** means the Tenant’s directors, officers, employees, servants, agents and those for whom the Tenant is responsible at law;

**“Term”** means the term of this Ground Lease as set out in Section 2.1; and

**“Transfer”** shall have the meaning given that term in Section 10.1.

## **1.2 Schedules**

The Schedules referred to in this Ground Lease are deemed to form part of this Ground Lease and are incorporated by reference. Such Schedules are as follows:

Schedule "A"	–	Legal Description of Lands
Schedule "B"	–	Legal Description of Leased Lands
Schedule "B.1"	–	Site Plan
Schedule "C"	–	Permitted Encumbrances
Schedule "D"	–	Construction Lay Down Areas
Schedule "E"	–	Tenant's Environmental Reports

### 1.3 Boundary Adjustment

The Parties acknowledge and agree that, notwithstanding the definitions in Section 1.1 and Schedule "B" and "B.1" annexed to this Ground Lease, as of the date of execution and delivery of this Ground Lease, a Reference Plan describing the Leased Lands has not been prepared and deposited on title. The Landlord and Tenant agree that the Tenant will arrange for a draft Reference Plan of the Leased Lands and Construction Lay Down Areas to be prepared based upon and reflecting the dimensions and location of the Leased Lands and Construction Lay Down Areas shown on the site plan attached to this Ground Lease as Schedule "B.1" as of the date of execution and delivery of this Ground Lease, subject to such adjustments to be agreed upon between the Landlord and the Tenant subsequent to the execution and delivery of this Ground Lease, each acting reasonably. The final draft Reference Plan will be agreed upon by the Landlord and the Tenant before it is deposited on title. Once the final Reference Plan is agreed upon, finalized and deposited on title, Schedule "B" to this Ground Lease will be finalized to refer to the actual legal description of the Leased Lands and Construction Lay Down Areas described by reference to the deposited Reference Plan and Schedule "B.1" will be replaced with a copy of the final Reference Plan as so deposited and such amended Schedules shall be initialled by both the Landlord and the Tenant to reflect and confirm such agreement.

## ARTICLE II TERM

### 2.1 Grant and Term

The Landlord hereby

- (i) leases the Leased Lands to the Tenant, and the Tenant shall be entitled to have and to hold the Leased Lands for and during the Term. The Term of this Ground Lease shall commence on the Commencement Date and end on the last day of the period of Forty-Nine (49) years following the Commencement Date, unless the Term is otherwise terminated as provided for in this Ground Lease;
- (ii) grants and conveys to the Tenant, its employees, subtenants, workmen, operators, contractors, agents and invitees the licence during the Term to the access, use and enjoyment of the Amenity Space; for use in common with all others who are granted the right to access, use and enjoyment of such Amenity Space.
- (iii) grants and conveys to the Tenant, its employees, subtenants, workmen, operators, contractors, agents and invitees the right, licence, liberty, privilege and easement or right in the nature of an easement (the "**Storage Tank Easement**") on, in, over, under and through the Storage Tank Area during the Term for the purposes of maintaining, repairing, replacing and altering from time to time the Storage Tank Infrastructure, together with the right of ingress and egress to and from the Storage Tank Area together with all required vehicles, equipment, supplies and machinery. The benefit of this easement shall annex to and run with each and every part of the Leased Lands and the burden of this easement shall annex to and run with each and every part of the Storage Tank Area. The Landlord covenants and agrees to register or cause to be registered a Transfer Easement on title to the Storage Tank Area subject only to the Permitted Encumbrances, in a form and substance acceptable to the Tenant.

### 2.2 Surrender of Property

Upon the termination of this Ground Lease by the Landlord in accordance with the provisions hereof or upon the expiration of the Term, the Tenant shall surrender and deliver up vacant possession of the Leased Lands. The Landlord shall have the right, in its sole and absolute discretion, to:



- (i) require the Tenant, by notice given to the Tenant within the greater of: (a) 24 months prior to the date of termination of this Ground Lease; and (b) the expiration of the Term and the required notice period under the *Residential Tenancies Act* for the purposes of notice to tenants occupying the Facilities, to demolish all Improvements then located on the Leased Lands and remove from the Leased Lands all such Improvements (including without limitation the Facilities) and all rubble and debris resulting or arising from the demolition of the Improvements and shall fill all excavated areas with clean fill and grade, compact to one hundred percent (100%) Standard Proctor Density and leave the Leased Lands level, free of rubble and debris and in a clean condition free of Hazardous Substances and in full compliance with all Environmental Laws. The Landlord agrees that the Tenant shall have the right to enter upon the Leased Lands for a period of two (2) months following the termination of this Ground Lease or expiration of the Term for the purpose of carrying out any work or activities to comply with the foregoing covenant and obligation of the Tenant; or
- (ii) accept possession and transfer of ownership of all Improvements then located on the Lands (including without limitation the Facilities), to be surrendered in the condition and state of repair required under this Ground Lease, for nominal consideration.

The Landlord and Tenant agree to meet on or about the twentieth (20<sup>th</sup>) anniversary of the Commencement Date to discuss any improvements and expenditures of a capital nature that may then be required in respect of the Facilities and the Parties' long-term planning in respect of the Facilities.

### **2.3 Overholding**

Subject to the Tenant's rights in Section 2.2 hereof and the requirements of the *Residential Tenancies Act* respecting termination of tenancies, upon the expiration of this Ground Lease by the passage of time and the Tenant remaining in possession of the Leased Lands:

- (a) there shall be no implied renewal or extension of this Ground Lease;
- (b) if the Landlord consents in writing to the Tenant remaining in possession, the Tenant shall be deemed, notwithstanding any statutory provision or legal assumption to the contrary, to be occupying the Leased Lands as a monthly tenant, which monthly tenancy may be terminated by either Party on thirty (30) days' written notice to the other, which thirty (30) day period need not end on the last day of a calendar month;
- (c) if the Landlord does not consent in writing to the Tenant remaining in possession, the Tenant shall be deemed, notwithstanding any statutory provision or legal assumption to the contrary, to be occupying the Leased Lands as a tenant at the will of the Landlord, which tenancy may be terminated at any time by the Landlord upon giving fifteen (15) days' written notice to the Tenant; and
- (d) the Tenant shall occupy the Leased Lands on the same terms and conditions as are contained in this Ground Lease save and except that:
  - (i) the Term and the nature of the tenancy shall be as set out in subsection 2.3(b) or (c), as the case may be; and
  - (ii) the Tenant shall not be entitled to take the benefit of any rights personal to the Tenant and which may be contained in this Ground Lease.

The Tenant shall be estopped and forever barred from claiming any right to occupy the Leased Lands on terms other than as set out in this Section and the Landlord may plead this Section in any court proceedings. Unless the Tenant remains in possession pursuant to subsection 2.3(b) hereof, the Tenant shall indemnify and save harmless the Landlord from all Claims incurred by the Landlord as a result of the Tenant remaining in possession of all or any part of the Leased Lands following the expiry of the Term. Nothing in this Section shall be interpreted as permitting or giving the Tenant an option to stay in possession of the Leased Lands following the

expiry of the Term and the Tenant shall surrender the Leased Lands to the Landlord on the expiry of the Term.

### **ARTICLE III** **RENT**

#### **3.1 Rent**

Commencing on the Commencement Date and continuing for the duration of the Term, the Tenant shall pay to the Landlord base rent ("**Base Rent**") in the amount of One Dollar (\$1.00) per year, without deduction except as expressly provided herein. The Tenant shall pay the Base Rent for the entire Term within thirty (30) days of the Commencement Date.

#### **3.2 Interest on Unpaid Amounts**

If the Tenant fails to pay Rent when the same is due and payable to the Landlord such unpaid amounts shall bear interest from their respective due dates to the date of payment at a rate of four percent (4%) in excess of the Prime Rate, such interest to be calculated and compounded semi-annually, not in advance, and to be payable on demand.

#### **3.3 Net Ground Lease**

The Tenant acknowledges and agrees that it is intended that this Ground Lease shall be absolutely and completely net and care-free to the Landlord and that the Landlord shall not be responsible during the Term for any costs, charges, impositions, expenses and outlays of any nature whatsoever arising from or relating to the Leased Lands, the use and occupancy of the Leased Lands, the use of the contents of the Leased Lands or the activities carried on or in the Leased Lands, including, without limitation, those relating to development, maintenance, repair, replacement, improvement, administration and operation except as specifically set out in this Ground Lease and the Tenant shall pay all costs, charges, impositions, expenses and outlays, save and except for:

- (a) any amounts relating to any Freehold Mortgages of the Leased Lands granted by the Landlord;
- (b) any income, corporate, capital or other taxes of a personal nature, payable by the Landlord, other than as expressly set out in this Ground Lease;
- (c) any amounts expressly required by this Ground Lease to be paid by the Landlord;
- (d) any costs related to the negligence or wilful misconduct of the Landlord or the Landlord's Employees except as expressly set out in this Lease;
- (e) any costs or expenses related to Hazardous Substances on, in or under the Leased Lands that were introduced or discharged by the Landlord or the Landlord's Employees (including, without limitation, contaminant, removal and/or remediation costs, costs to make necessary alterations, repairs and/or replacements to the Leased Lands as a result thereof, legal costs and fines, sanctions and penalties imposed in respect thereof;
- (f) expenses for the defence of the Landlord's title to the Leased Lands;
- (g) administration and management fees, asset management fees and annual valuation or appraisal fees; and
- (h) any insurance which the Landlord carries in respect of the Leased Lands.

If such amounts payable by the Tenant cannot be determined until after the expiration or earlier termination of the Term, the Tenant's obligation to pay such amounts shall survive such expiration or earlier termination for a period of twenty-four (24) months, and upon such amounts being determined, the Tenant shall forthwith pay the same.

#### **3.4 Rent to be Paid without Set-Off**

Except to the extent specifically permitted by the terms of this Ground Lease, all Rent shall be paid by the Tenant without set-off, abatement, or deduction for any reason or cause



whatsoever, including, without limitation, by reason of section 35 of the *Commercial Tenancies Act*, the benefits of which are expressly waived by the Tenant.

### **3.5 HST**

The Tenant shall pay to the Landlord all HST payable on the Rent, which payment shall be made at the same time as the Rent to which the HST relates is to be paid in accordance with the terms of this Ground Lease. Regardless of any other provision of this Ground Lease to the contrary, the amounts payable by the Tenant under this Section shall be deemed not to be Rent, but the Landlord shall have all of the same remedies for and rights of recovery for such amounts as it has for the recovery of Rent under this Ground Lease.

## **ARTICLE IV** **TAXES AND UTILITIES**

### **4.1 Payment of Taxes by Tenant**

The Tenant shall be responsible for the payment of all Taxes, if any, as of and from the Commencement Date. Taxes shall be based upon a separate assessment of the Leased Lands, if such a separate assessment is available, otherwise Taxes shall be allocated by the Landlord to the Leased Lands on a reasonable and equitable basis based upon, among other matters, the area of the Leased Lands relative to the area of the Lands. The Tenant shall pay directly to the relevant taxing Authorities, and discharge in each year during the Term and within the times provided for by the taxing Authorities, all Taxes, and the Tenant shall provide the Landlord, upon request by the Landlord, a copy of all tax bills and assessment notices for the Leased Lands or any part thereof and shall deliver to the Landlord receipts evidencing the payment of all the Taxes upon request by the Landlord and furnish such other reasonable information in connection therewith as the Landlord reasonably requires, but only in the event there are Taxes levied and payable in respect of the Leased Lands.

### **4.2 Landlord's Taxes**

The Landlord shall pay directly to the relevant taxing Authorities all income and capital taxes payable by the Landlord, if any.

### **4.3 Contest Taxes**

The Landlord covenants and agrees that the Tenant shall have the right in the name of the Landlord or otherwise, at its own expense, to contest the amount and/or legality of any Taxes, business taxes (of the Tenant), assessments and/or any other taxes and charges which the Tenant is obligated under the terms of this Ground Lease to pay, either in whole or in part and/or to make application for cancellation or reduction of same or any assessment upon which the same may be based and the Landlord agrees at the request of the Tenant to consent to or authorize such action by the execution of any document necessary in connection with such contest or application at no cost to the Landlord, and the prosecution of any such contest or application should be without obligation or cost to the Landlord except as provided herein. If the Tenant contests the amount and/or legality of any such Taxes, business taxes, assessments and/or any other rates and charges which the Tenant is obligated under the terms of this Ground Lease to pay either in whole or in part and/or makes application for cancellation or reduction thereof or any assessment upon which the same may be based, the time within which the Tenant shall be required to pay the same either in whole or in part shall, if permitted by Law, be extended until such contest or application shall have been finally determined, provided such Taxes and/or assessments are *bona fide*, diligently, expeditiously and in good faith contested and such contestation is diligently prosecuted and does not subject the Leased Lands to forfeiture or sale or otherwise cause the Landlord to be in default of the payment of Taxes. The Tenant agrees that it will prosecute any such contest and/or application with due diligence and at its own expense on its own behalf without obligation of the Landlord. The Landlord agrees to cooperate fully with the Tenant in the prosecution of any such appeal. The Tenant shall be entitled to receive the amount of any rebate of any Taxes. The Tenant shall be solely responsible for all penalties, late payment or interest charges imposed by any Authority as a result of the Tenant's late payment of any of the amounts described in this Section.

#### **4.4 Tenant Responsible for all Utilities**

The Tenant shall promptly pay all charges and costs, for all utilities and services supplied to the Leased Lands, but only in respect of the Leased Lands, as of and from the Commencement Date.

### **ARTICLE V** **USE**

#### **5.1 Use**

The Leased Lands shall only be used for the purpose of the development, construction, maintenance and operation of the Facilities in accordance with all Laws and for no other purpose whatsoever. The Tenant shall satisfy itself that the contemplated use complies with all local zoning by-laws and building regulations. Any proposed change of use is subject to Approval by the Landlord.

#### **5.2 Compliance with Laws**

The Tenant shall in its activities pursuant to this Ground Lease and in connection with all of its operations and activities in connection with the Leased Lands and the Facilities comply with or conform with the requirements of every Law at its sole cost and expense, provided that the Tenant may, acting reasonably and in good faith challenge any Laws or the application or effect of any Laws while at all times complying with same. The Tenant shall not permit the use of the Leased Lands or the Facilities for any unlawful purpose.

#### **5.3 Tenant Shall Actively Use**

At all times from and after the Commencement Date, the Tenant shall itself or cause any Operator to actively operate the Facilities on the Leased Lands in accordance with Section 5.1 of this Ground Lease. Except during: (i) the initial construction of the Facilities pursuant to Section 8.1, (ii) any reconstruction of the Facilities pursuant to Article XII, (iii) any substantial renovation or major refurbishments on the Leased Lands, or (iv) Force Majeure pursuant to Section 16.19, if at any time during the Term the Facilities are not actively used by the Tenant for the purpose of providing modular affordable housing facilities for use by residents of the City of Toronto or any other use now or hereafter permitted or contemplated under this Ground Lease for a period of twelve (12) months or such longer period as may be agreed upon by the parties in advance, each acting reasonably, the Landlord shall have the right to terminate this Ground Lease upon not less than sixty (60) days' prior written notice to the Tenant.

#### **5.4 INTENTIONALLY DELETED**

#### **5.5 Health Emergency**

- (a) If a Health Emergency exists, the Tenant or the Operator shall enforce at the Leased Lands any existing Health Emergency rules or regulations in existence, and/or may impose, in conjunction with the Landlord, additional rules, regulations and restrictions to mitigate or minimize the effects of the Health Emergency.
- (b) Without limiting the generality of the foregoing and subject to the provisions of the *Residential Tenancies Act*, during a Health Emergency, the Landlord and/or the Tenant shall be entitled to (or the Tenant shall require the Operator to):
  - (i) restrict or limit access to the Leased Lands and the Improvements to employees of the Tenant and residents of the Facilities only, and/or to prohibit entry by visitors or invitees for a reasonable period of time during such event;
  - (ii) decontaminate all or any part of the Leased Lands and the Improvements, and if such work is not completed by the Tenant or the Operator, the Landlord shall be entitled to enter the Leased Lands and to do so at the Tenant's expense. Any steps that the Landlord may choose to take are in its sole and unfettered discretion and nothing herein shall obligate the Landlord to effect any decontamination;
  - (iii) impose sanitization requirements and/or implement health precautions consistent with the advice from medical experts or public health officials;

- (iv) require changes to the heating, ventilation and air conditioning systems serving the Facilities;
  - (v) delineate passages of ingress and egress in common areas of the Leased Lands; and
  - (vi) close all or any part of the Leased Lands and the Facilities if it is determined by the parties, each acting reasonably, that it is not safe to continue to operate the Leased Lands and the Facilities or certain parts of the Leased Lands and the Facilities.
- (c) Except in the case of gross negligence of wilful misconduct, during a Health Emergency, neither the Landlord nor the Tenant or Operator shall be:
- (i) in default by reason of any action taken pursuant to its Health Emergency Plan or any other decisions such party makes in good faith in response to a Health Emergency; or
  - (ii) liable in contract, tort, or otherwise, for any act or omission in exercising the Health Emergency Plan or any other decisions it makes in good faith in response to a Health Emergency.

## **ARTICLE VI** **APPROVALS**

### **6.1 Planning Approvals**

The Tenant shall, at its sole expense, take all steps necessary to seek and obtain any and all land use approvals and permits as are required to develop the Project on the Leased Lands, including without limitation the Planning Approvals.

### **6.2 Planning Act**

This Ground Lease contemplated hereunder is subject to the condition that the subdivision control provisions of the Planning Act are complied with. The Parties acknowledge and agree that the lease of the Leased Lands by the Landlord to the Tenant for the Term does not require a severance consent under the Planning Act because the Leased Lands are being leased to the Tenant, which is a municipality.

### **6.3 Planning Approvals**

- (a) The Tenant shall, at its sole cost and expense, apply for and obtain site plan approval under Section 41 of the Planning Act and Section 114 of the *City of Toronto Act*, 2006 and a building permit from the City of Toronto for the Facilities, in addition to all other Planning Approvals to be obtained by the Tenant pursuant to Section 6.1 above. The Landlord shall execute in its capacity of owner of the Leased Lands all agreements required in connection with the Planning Approvals. The Tenant shall comply at its sole cost and expense in all respects with the conditions and requirements of site plan approval, any agreements entered into by the Landlord or the Tenant in connection with the Planning Approvals and the terms and requirements of all Planning Approvals during the Term. The Parties acknowledge and agree that the Council of the City of Toronto cannot be fettered in its discretion when considering applications submitted by the Tenant for Planning Approvals to be obtained by the Tenant pursuant to Section 6.1.
- (b) The Tenant shall be responsible for paying all amounts payable to the City of Toronto under the Planning Act as payments of money in lieu of parkland dedication conveyances in connection with the Facilities.
- (c) If any agreements to which the Landlord is required to become a party to facilitate or permit the Tenant to obtain the Planning Approvals require the Landlord to provide security or other monies to the relevant Authority on the execution thereof, the Landlord shall not be required to execute same until such time as the Tenant provides such security or monies. If any of the Agreements to which the Landlord is required to become a party require the Landlord or the Tenant to provide security or other monies to the relevant

Authority during their currency, the Tenant shall provide all such security or other monies to the relevant Authority, in accordance with the terms of such agreements, as required by the relevant Authority. The Tenant shall indemnify and save harmless the Landlord from all Claims arising in connection with any such agreements executed by the Landlord or registered against the title of the Leased Lands.

#### **6.4 Co-operation by Landlord**

- (a) The Landlord shall provide all necessary and commercially reasonable co-operation, consents, support and confirmations to the Tenant in order to allow the Tenant at its sole cost and expense to obtain the Planning Approvals including without limitation, where required and requested by the Tenant, signing, as owner of the Lands, any application or agreement which the Tenant makes with respect to the Planning Approvals. The Landlord shall not be required to incur any costs or expenses in order to provide such cooperation, consents, support and confirmation to the Tenant. The Landlord acknowledges that it may be required as owner of the Lands to enter into agreements or documents (including, without limitation, site plan agreements and development agreements) which affect the Lands or parts thereof and agrees to do so at the request of the Tenant if such are reasonably required or desirable to obtain the Planning Approvals and such agreements or documents are acceptable to the Landlord, acting reasonably. If the Tenant is required to enter into any agreement with any Authority in order to obtain the Planning Approvals and such Authority requires the Landlord, as owner of the Lands, to enter into such agreement, the Landlord shall do so. The Tenant shall promptly upon request reimburse the Landlord for all reasonable legal fees and expenses incurred by the Landlord for the review of any such documents and agreements provided that the Landlord shall not charge the Tenant any internal fees for reviewing and executing such agreements and documents.
- (b) The Tenant, in its private capacity and not in its capacity as a municipal corporation hereby indemnifies and saves the Landlord harmless from and against any and all Claims of any nature or kind whatsoever that the Landlord may suffer or incur during the Term of this Lease as a result of the Landlord executing any consents or applications or entering into any agreements contemplated in Section 6.3(a). This indemnity shall survive the expiration or earlier termination of this Ground Lease.

### **ARTICLE VII** **ROAD ACCESS AND SERVICES TO LEASED LANDS**

#### **7.1 Services**

- (a) The Tenant shall be solely responsible for the construction and installation to the Leased Lands of all utilities, water service, natural gas service, hydro service, sanitary and storm sewer services and all other services and utilities required for the use and operation of the Leased Lands and the Facilities (collectively, the “**Services**”) in compliance with the requirements of all applicable Authorities having jurisdiction. The Tenant shall also be responsible for the operation, use, repair, maintenance and replacement of all Services which are the responsibility of the City of Toronto, and to cause all other Services to be operated, used, repaired, maintained and replaced by the appropriate Authority.
- (b) To the extent the Services are to be shared at any time during the Term (the “**Shared Services**”), the Parties shall negotiate in good faith and agree to share the costs of the construction, maintenance, repair, replacement and use of such services on an equitable basis based on the reasonably anticipated extent of each party's use of such Shared Services. Failing such agreement, the parties agree to submit the matter for arbitration in accordance with Article XV.
- (c) Notwithstanding the foregoing, the Tenant shall not be liable or responsible for (i) any Hazardous Substances existing in, under or on the Leased Lands as at the Commencement Date; and (ii) any necessary repairs, replacements or alternations to the Services caused by the negligence or wilful misconduct of the Landlord, its agents, servants, employees, contractors or any other party for whom the Landlord is responsible at law. Subject to the foregoing but for certainty, the Tenant acknowledges and agrees that the Landlord shall not have any responsibility of any nature or kind whatsoever with

respect to any Services to the Leased Lands or, unless otherwise mutually agreed to, the Shared Services.

- (d) From and after the Commencement Date, it shall be the responsibility of the Tenant at its cost to carry out and complete all lateral connections to such Services and for the installation of such Services within the boundaries of the Leased Lands, in accordance with plans and specifications approved by the Landlord. The Tenant shall be prohibited from connecting to any existing Services serving the Adjacent Lands, the Tenant acknowledging and agreeing that, other than Shared Services which may be required during the Term, under no circumstances will the Leased Lands be serviced from connections to the Services within the boundaries of or serving the Adjacent Lands. For certainty, the Tenant acknowledges and agrees that, other than Shared Services which may be required during the Term, all Services to the Leased Lands will be supplied from sources external to the Lands without exception and the Tenant shall only be required to size same for the Tenant's use and not for the Landlord's Adjacent Lands or for any future use of the Leased Lands by the Landlord unless otherwise mutually agreed to by the Landlord and the Tenant.
- (e) The Tenant shall be solely responsible for maintaining, repairing and replacing or causing to be maintained, repaired and replaced all lateral connections to the Services and all such Services within the boundaries of the Leased Lands, at its sole cost and expense, except for any maintenance, repairs and replacements required due to the negligence or wilful misconduct of the Landlord or the Landlord's Employees.

## **7.2 Access and Parking**

- (a) The Tenant acknowledges and agrees that there shall be no direct access (pedestrian or vehicular) from the Leased Lands to the Adjacent Lands, unless otherwise mutually agreed to by the Landlord and the Tenant.
- (b) The Tenant acknowledges and agrees that all vehicular parking for the Leased Lands and the Facilities shall be located within the boundaries of the Leased Lands. The Tenant further acknowledges that the Landlord wishes to prevent unauthorized use of the parking facilities on the Leased Lands by patients, patrons and staff of the Landlord's institutional hospital facilities located on the Adjacent Lands. In this regard, the Tenant and Landlord agree to cooperate and work together to develop solutions so as to ensure that the Landlord's paid parking facilities on the Adjacent Lands will not be comprised in any way by the construction or use of parking facilities on the Leased Lands. Solutions to be considered in the regard may include rigid fencing, landscaped buffers, coordination of parking gates or a combination of the above, all of which shall to be discussed and negotiated between the Landlord and Tenant as part of the design of the Facilities to be constructed by the Tenant on the Leased Lands and Approved by the Landlord under this Ground Lease.

## **ARTICLE VIII** **CONSTRUCTION AND LANDLORD'S SERVICES WORK**

### **8.1 Tenant to Construct**

- (a) The Tenant, at its sole cost and expense, acting diligently, in good faith and expeditiously, shall construct and complete the Facilities and Improvements on the Leased Lands in a good and workmanlike manner and in compliance with all applicable codes and Laws and in accordance with a work plan and schedule developed by the Tenant and Approved by the Landlord (which work plan and schedule represents the Parties' best estimate as to the timing of the Planning Approvals, preconstruction studies and assessments and post planning approval activities). The Tenant covenants and agrees that the construction of the Facilities and Improvements on the Leased Lands shall be completed within forty-eight (48) months following the Commencement Date, failing which the Landlord shall have the right to terminate this Ground Lease upon not less than sixty (60) days prior written notice to the Tenant, provided the Landlord's right to terminate the Lease shall be rendered null and void if the Tenant is diligently engaged in constructing the Facilities and can provide reasonable evidence satisfactory to the Landlord that completion of construction of the Facilities can be attained prior to sixtieth (60th) month following the Commencement Date.

- (b) The Tenant shall be responsible for all health and safety matters with respect to the construction of the Facilities, including those imposed pursuant to the *Occupational Health and Safety Act*, R.S.O. 1990, c.0.1 (the “**OHSA**”). The parties acknowledge and agree that the Landlord is not and shall not be the constructor under the OHSA in connection with the construction of the Facilities. The Tenant shall perform the duties of the constructor in accordance with the OHSA or shall engage a third party contractor to perform the duties and responsibilities of the constructor for the construction of the Facilities. The Tenant shall be responsible for obtaining all Planning Approvals required for the construction of the Facilities, which shall be obtained at the Tenant’s sole cost and expense. Prior to applying for any Planning Approvals or for a building permit, the Tenant shall consult with and obtain the Landlord’s Approval on design elements related to the development and built form of the Facilities. The initial design, site location and exterior finishing of the Facilities shall be subject to Approval by the Landlord not to be unreasonably withheld or delayed. The Landlord covenants to respond to all submissions for its Approval in an expeditious manner, and in any event to advise the Tenant of Approval (or disapproval with reasons) within ten (10) Business Days of receipt of the submission. Construction shall be undertaken only in accordance with such approved plans and all applicable Laws and codes and construction hoarding shall be provided to the satisfaction of the Landlord, acting reasonably. All construction traffic shall be coordinated by the Tenant with the Landlord to ensure no material disruption to the access of patients, patrons and staff to the institutional hospital buildings on the Adjacent Lands.

## **8.2 Construction**

- (a) Once construction of the Facilities has commenced, the Tenant shall diligently proceed to complete such construction in accordance with the plans and specifications approved by the Landlord, the requirements of all Planning Approvals obtained by the Tenant in connection with such construction and the requirements of all applicable Laws.
- (b) The Tenant shall not suffer or permit any lien under the *Construction Act* (Ontario) or any like statute to be filed or registered against the Leased Lands or the Adjacent Lands by reason of work, labour or services or materials supplied or claimed to have been supplied to the Tenant or anyone holding any interest in any part thereof through or under the Tenant. If any such lien shall at any time be filed or registered, the Tenant shall procure registration of its discharge within fifteen (15) days after the lien has come to the notice or knowledge of the Tenant; provided, however, should the Tenant desire to contest in good faith the amount or validity of any lien the Tenant shall provide the Landlord with written notice of such desire and shall (at the Landlord’s option, if the Tenant is not the City of Toronto or a successor municipality, or at the Tenant’s option if the Tenant is the City of Toronto or a successor municipality): (i) pay into Court to the credit of such lien action, the amount of the lien claimed plus any other amounts required under the *Construction Act* (Ontario) to fully discharge and vacate the registered lien and any certificate(s) of action related thereto from title (collectively the “**Discharge Proceeds**”) and cause such lien and any related certificate(s) of action to be discharged from title; (ii) pay the Discharge Proceeds to the Landlord, plus an amount on account of the Landlord’s estimated reasonable legal fees in connection with such lien and certificate(s) of action; or (iii) post a bond in favour of the Landlord in the amount of the Discharge Proceeds and estimated reasonable legal fees. In such event, the Landlord agrees that the Tenant may defer payment of such lien claim for a period of time sufficient to enable the Tenant to contest the claim (which the Tenant covenants to do diligently and expeditiously). Subject to the Tenant’s right to contest any lien as more particularly set out in this Section 8.2(b), the Landlord may, but shall not be obliged to, discharge any such lien filed or registered at any time if in the sole discretion of the Landlord the Leased Lands or the Adjacent Lands or any part thereof or the Tenant’s interest in the Leased Lands become liable to any forfeiture or sale or is or are otherwise in jeopardy, and any amounts paid by the Landlord in so doing, together with all reasonable costs and expenses of the Landlord, shall be reimbursed to the Landlord by the Tenant on demand and may be recovered as Rent.
- (c) The Tenant shall repair and make good any damage to any roadway or other property of the Landlord caused by the Tenant, its contractors or any Person acting for or on behalf of the Tenant or for whom the Tenant is responsible, during construction of the Facilities.



Any failure on the part of the Tenant to repair and make good any such damage shall entitle the Landlord to make the required repairs and to charge the cost of same back to the Tenant and same shall constitute Rent under this Ground Lease.

### **8.3 Construction Lay Down Areas**

The Landlord hereby grants to the Tenant the right to use and access the Construction Lay Down Areas and such other areas as the Landlord may specifically designate from time to time, for the storage of construction equipment and materials, crane swings, usage by the suppliers, contractors and workers and for parking of all types of vehicles and construction equipment. The right to use and access the Construction Lay Down Areas shall expire upon the completion of construction of the Facilities. Upon the expiry of the rights granted pursuant to this Section, the Tenant shall cause the removal of all equipment and materials from the Construction Lay Down Areas and shall restore same to the condition existing prior to the Tenant performing its work.

### **8.4 Development Charges/Building Permit Fees/Services**

The Tenant shall be responsible for all development charges, if any, that are payable in respect of the construction of the Facilities. The Tenant shall post security and pay all deposits and prepayments that are required with respect to the construction of the Facilities.

### **8.5 Signage**

All building signage proposed to be erected by the Tenant on or in connection with the Project shall be subject to Approval by the Landlord, and shall comply with all municipal requirements.

### **8.6 Exterior Renovations or Alterations of Facilities**

The Tenant agrees that any renovations, alterations or additions to the exterior of the Facilities proposed to be carried out by the Tenant at any time during the Term shall require the Approval of the Landlord, including if there is a proposed change to the appearance, elevations, size, height, coverage, exterior landscaping or parking areas or facilities of the Facility.

### **8.7 Repair and Maintenance**

Save and except for any repairs, replacements and alterations required due to the negligence or wilful misconduct of the Landlord and the Landlord's Employees (which shall be the responsibility of the Landlord to effect), the Tenant shall be responsible for, and shall repair, maintain and make replacements to the Facilities and the Leased Lands as would a prudent owner, and in a manner consistent with its proximity to an institutional hospital building. Without limiting the foregoing, the Tenant shall keep the Facilities, all basic building services, and all landscaped and paved areas of the Leased Lands in good order and condition and in a good state of repair, as would a prudent owner.

### **8.8 Tenant's Property**

The Landlord and Tenant agree that the Facilities and all other Improvements upon the Leased Lands from time to time shall be the separate owned property of the Tenant at all times during the Term, notwithstanding any rule of law to the contrary.

### **8.9 Landlord's Services Work**

- (a) Notwithstanding anything contained in this Ground Lease to the contrary, the Tenant acknowledges and agrees that the Landlord retains fee simple ownership of the Leased Lands and that the Landlord, its servants, agents, contractors and representatives shall have the right at any time or times during the Term to enter the Leased Lands or any part or parts thereof on forty-eight (48) hours prior notice (or no notice in the event of an emergency) to Tenant to perform inspections and other preliminary services relating to the construction, installation, repair, maintenance, replacement, use and operation of underground and above-ground utilities and services in, under, over, along, upon and through the Leased Lands or any part or parts thereof and to grant easements and licences in connection therewith (collectively, the "**Landlord's Services Work**").

- (b) If the Landlord requires access to any portion of the Facilities occupied by a residential subtenant or sub-subtenant (as the case may be of the Tenant or Operator) for the purpose of performing inspections and other preliminary services relating to the Landlord's Services Work, then such access shall be in accordance with the *Residential Tenancies Act*. The Landlord agrees to use commercially reasonable efforts not to materially adversely limit or interfere with the Tenant's and the Tenant's (or the Operator's, as applicable) subtenants', sub-subtenants', invitees', licensees' and the Tenant's Employees' continued use, operation and enjoyment of the Leased Lands and Facilities in accordance with the terms of this Ground Lease. The Tenant acknowledges and agrees that the Landlord, its servants, agents, contractors and representatives may proceed with the Landlord's Services Work without the consent or approval of the Tenant and the Tenant hereby irrevocably grants to the Landlord its consent to the carrying out of the Landlord's Services Work and to the grant of any easements or licences by the Landlord in connection therewith.
- (c) In exercising its rights pursuant to this Section 8.9, it is specifically understood and agreed by the Tenant that:
  - (i) there shall be no compensation paid to the Tenant in connection with the Landlord's Services Work and that under no circumstances shall the Landlord be liable to the Tenant for any costs, expenses or damages, direct, indirect or consequential, arising from the Landlord's exercise of its rights with respect to the Landlord's Services Work under this Section 8.9;
  - (ii) the Landlord shall be entitled to limit from time to time as may be reasonably necessary by reason of the Landlord's Services Work, the Tenant's (or the Operator's or residential subtenants' or sub-subtenants') use of portions of the parking facilities forming part of the Facilities located on the Leased Lands and temporarily disrupt the Tenant's (or the Operator's or residential subtenants' or sub-subtenants') ingress to and egress from the Leased Lands and/or the Facilities, provided that if ingress to and egress from the Leased Lands and/or the Facilities cannot be provided, then the Landlord shall use best efforts to provide alternative access arrangements to the Leased Lands and/or Facilities. For certainty, the Landlord acknowledges that the Tenant (and/or Operator, as applicable) shall be required to comply with the *Residential Tenancies Act* regarding any residential subtenant's access to the Leased Lands and Facilities and the Landlord's Services Work shall be conducted accordingly;
  - (iii) except in the case of emergencies (where no notice shall be required), the Landlord shall give to the Tenant at least thirty (30) days prior written notice of its intention to proceed with the Landlord's Services Work and the Tenant and the Landlord agree to cooperate with one another in order to allow the Landlord's Services Work to be completed as expeditiously as possible and to minimize interference with the Tenant's and residents' use, enjoyment and/or operation of the Facilities; and
  - (iv) provided the provisions of this Section 8.9 are complied with, the Landlord shall not, by reason of exercising its rights pursuant to this Section 8.9, be in default or be deemed to be in default of any other covenant or proviso contained in this Lease or at law.

## **ARTICLE IX**

### **ENVIRONMENTAL MATTERS**

#### **9.1 Compliance with Environmental Laws**

The Tenant covenants and agrees with the Landlord that the Tenant shall at all times during the Term, at its sole cost and expense, operate, use, repair and maintain the Leased Lands and the Improvements and shall cause the Leased Lands and the Improvements to be operated, used, repaired and maintained by all Persons (including without limitation the Tenant's Employees and the Tenant's agents, contractors and those for whom it is responsible) in strict compliance with all Environmental Laws. The Tenant further covenants and agrees to obtain any Environmental Permits required in connection with the Tenant's operation, use, repair and maintenance of the Leased Lands and the Improvements and to operate, use, repair and maintain



the Leased Lands and the Improvements in strict compliance with all such Environmental Permits. Without limiting the generality of the foregoing, the Tenant shall obtain and maintain all necessary waste generation registrations and shall comply with all requirements applicable to or governing such registrations.

## **9.2 Inspection**

- (a) The Tenant shall permit the Landlord, the Landlord's Employees and the Landlord's consultants, authorized representatives and agents on ten (10) Business Days prior written notice (an "**Inspection Notice**") (or less or no notice in the case of emergency, as may be reasonable in the circumstances) at its sole cost and expense to:
  - (i) inspect the Leased Lands;
  - (ii) conduct non-invasive environmental tests and environmental assessments (provided copies of same are provided to the Tenant if so requested, within sixty (60) days of such tests and environmental assessments being completed on the Leased Lands); and
  - (iii) remove samples from the Leased Lands.
- (b) If the Inspection Notice requires the Landlord to:
  - (i) inspect the Tenant's operations and examine and photocopy any documents or records relating to the environmental condition of the Leased Lands; and/or
  - (ii) interview the Tenant, the Tenant's Employees and the Tenant's agents, contractors and those for whom it is responsible, all in connection with the Tenant's compliance with Section 9.1 hereof, at such reasonable times and intervals as the Landlord may reasonably require;

then the Landlord shall provide to the Tenant reasonable grounds (such grounds to be communicated to the Tenant at the time of the Landlord's request) that the Landlord has reason to believe that the Hazardous Substances have been Released on the Leased Lands during the Term. **Notwithstanding the foregoing, for so long as the Tenant is the City of Toronto or a successor municipality, this Section 9.2(b) shall not apply.**

- (c) The Landlord agrees to use commercially reasonable efforts not to materially adversely limit or interfere with the Tenant's and the Tenant's subtenants', invitees', licensees' and the Tenant's Employees' continued use, operation and enjoyment of the Leased Lands and Facilities in the exercise of the Landlord's inspection rights under this Section 9.2.

## **9.3 Use of Hazardous Substances**

- (a) The Tenant shall not use the Leased Lands or the Facilities, or permit them to be used, to utilize, manufacture, store, produce or process any Hazardous Substance except as permitted in writing by the Landlord and provided that the use of any such Hazardous Substances shall only be used by the Tenant in strict compliance with the requirements of all Environmental Laws.
- (b) The Tenant shall:
  - (i) give notice to the Landlord of the presence at any time during the Term of any Hazardous Substances at or on the Leased Lands together with such information concerning such Hazardous Substances and their presence on the Leased Lands as the Landlord may reasonably require;
  - (ii) give notice to the Landlord of any occurrence which might give rise to a duty under Environmental Laws in either the Tenant or the Landlord with respect to the presence of any Hazardous Substances on the Leased Lands including, without limitation, notice of the Release of any Hazardous Substances at the Leased Lands;
  - (iii) promptly deliver to the Landlord copies of any notices, directives, Orders or communications received from, or delivered by the Tenant to, any Authority

relating to the state of compliance of the Leased Lands or the Tenant's operations thereon with Environmental Laws; and

- (iv) transport, store and dispose of any Hazardous Substances strictly in accordance with Environmental Laws and any reasonable directives of the Landlord provided in connection therewith.
- (c) If at any time before, during or after the Term the Tenant brings or creates on the Leased Lands or the Improvements in violation of any Environmental Laws, any Hazardous Substances, or if the Tenant's operations causes there to be any Hazardous Substances upon the Leased Lands or the Improvements, then, notwithstanding any rule of law to the contrary, such Hazardous Substances shall be and remain the sole and exclusive property of the Tenant and shall not become the property of the Landlord notwithstanding the degree of affixation of the Hazardous Substances and the goods containing the Hazardous Substances to the Leased Lands or the Improvements and notwithstanding the expiry or earlier termination of this Ground Lease.
- (d) The Landlord represents and warrants that, to the best of its knowledge, it is not aware of any Hazardous Substances being located at or on the Leased Lands as at the Commencement Date other than as noted in the Environmental Due Diligence Investigations Report dated March 26, 2021 prepared by WSP Canada and attached to this Ground Lease as Schedule "F" ("**Tenant's Environmental Report**").

#### **9.4 Notice**

- (a) The Tenant shall promptly notify in writing both the Landlord and the proper Authority, of any Release occurring upon the Leased Lands.
- (b) If the Release of Hazardous Substances occurring on the Leased Lands is brought upon or created by the Landlord or the Landlord's Employees (the "**Landlord's Hazardous Substance**"), or if there is a Release upon the Adjacent Lands which in the Landlord's reasonable opinion is likely to migrate onto the Leased Lands, then the Landlord shall promptly notify in writing both the Tenant and the proper Authority upon the Landlord becoming aware.

#### **9.5 Removal of Hazardous Substances**

- (a) The Tenant shall promptly remove all non-permitted Hazardous Substances used or Released onto the Leased Lands other than the Landlord's Hazardous Substances, such removal to be carried out in full compliance with the requirements of Environmental Laws. For certainty, the foregoing obligation of the Tenant shall include, without limitation, the responsibility to remove any Hazardous Substances which have, as a result of the operations of the Tenant or any other Person acting under its authority or control, become affixed to, permeated or accumulated on or within any structures forming part of the Facilities or the Leased Lands.
- (b) The Landlord shall promptly remove the Landlord's Hazardous Substances, such removal to be carried out in full compliance with the requirements of Environmental Laws.

#### **9.6 Audit Report**

Six (6) months preceding the expiration of the Term, the Tenant shall provide to the Landlord, at the Tenant's cost and expense, an independent environmental audit report, in form and substance and from qualified experts Approved by the Landlord, regarding the environmental condition of the Leased Lands. Upon the request of the Landlord at any time during the Term, where the Landlord on reasonable grounds (such grounds to be communicated to the Tenant at the time of the Landlord's request) has reason to believe that Hazardous Substances have been Released on the Leased Lands and has elected not to conduct its own environmental tests and inspections in accordance with Section 9.2, the Tenant shall provide to the Landlord an independent environmental audit report, in form and substance and from qualified experts Approved by the Landlord, regarding the environmental condition of the Leased Lands. The Tenant shall be responsible for the cost of any such reports requested by the Landlord and shall remove from the Leased Lands any Hazardous Substances pursuant to Section 9.5 hereof, unless: (i) the reports indicate that no Hazardous Substances have been

Released on the Leased Lands, or (ii) the reports indicate the existence of any Hazardous Substances at or on the Leased Lands that (A) were not noted in the Tenant's Environmental Report, or (B) are the Landlord's Hazardous Substances; in which event the Landlord shall be responsible for the cost of any such reports and, if applicable, shall remove from the Leased Lands such Landlord's Hazardous Substances in accordance with the requirements set out in Section 9.5.

## **9.7 Environmental Indemnity**

The Tenant hereby covenants and agrees to indemnify and save the Landlord and the Landlord's Employees (in this Section, collectively referred to as the "**Indemnified Parties**") harmless from and against all Claims as a result of, in connection with or arising from:

- (a) any act or omission on the part of the Tenant, the Tenant's Employees or those for whom the Tenant is in law responsible at any time during the Term of this Lease which results in the presence of any Hazardous Substance at, in, on, upon or within the Leased Lands or the Improvements or the Release, escape, seepage, leakage, spillage or transportation away from the Leased Lands or the Improvements of any Hazardous Substances not resulting from the negligence or wilful misconduct of the Landlord or any of the Landlord's Employees;
- (b) the presence of any Hazardous Substances at, in, on, upon or within the Leased Lands or the Improvements that was caused by the Tenant, the Tenant's Employees or those for whom the Tenant is in law responsible, or the Release, escape, seepage, leakage, spillage or transportation away from the Leased Lands or the Improvements of any Hazardous Substance as a result of any act or omission of the Tenant or any of the Tenant's Employees or the Tenant's contractors or agents;
- (c) the imposition of any Order or any Environmental Notice affecting the Leased Lands or the Improvements or the use thereof which results from an act or omission on the part of the Tenant, the Tenant's Employees or those for whom the Tenant is in law responsible;
- (d) any non-compliance with Environmental Laws, Environmental Permits, Orders or Environmental Notices pertaining to the Leased Lands, the Improvements or their use by the Tenant, the Tenant's Employees or those for whom the Tenant is in law responsible; and
- (e) the removal, storage or disposal of any Hazardous Substances from the Leased Lands or the Improvements by the Tenant, the Tenant's Employees or those for whom the Tenant is in law responsible at any time during the Term.

This indemnity shall survive the expiry or earlier termination of the Term.

## **9.8 Remedial Action**

Upon the demand by any Authority or the Landlord requiring that removal, clean-up or remedial or corrective action be undertaken either because of the presence, introduction, deposit, Release, emission, leak, spill or discharge of Hazardous Substances at the Leased Lands or the Facilities during the Term that is caused by any act or omission on the part of the Tenant, the Tenant's Employees or those for whom the Tenant is in law responsible or by the Tenant's operations and use of the Facilities and the Leased Lands, the Tenant shall promptly, at its own expense, take all action necessary to carry out a full and complete removal, clean-up and remedial and corrective action so as to remove all such Hazardous Substances from the Leased Lands and to bring the Leased Lands into full compliance with the requirements of Environmental Laws. No action by the Landlord and no attempt by the Landlord to mitigate its damages under any Law shall constitute a waiver or a release of the Tenant's obligations hereunder. The Tenant's obligations and liabilities hereunder shall survive the expiration or earlier termination of this Ground Lease.

## **9.9 Pre-Existing Environmental Condition**

Notwithstanding any other provisions of this Ground Lease, the Landlord shall remain responsible, during the Term and after the termination or expiry of this Ground Lease, for any claims by third parties and government orders arising from the environmental condition of the

Leased Lands as disclosed in the Tenant's Environmental Report ("Third Party Claims"), and the Landlord shall indemnify and save the Tenant harmless from all such Third Party Claims except to the extent that any activities or negligence on the part of the Tenant Parties, or any of them, (including without limitation the failure or neglect to fulfill all Tenant obligations under this Article) has caused or exacerbated matters which are the subject of Third Party Claims.

## ARTICLE X ASSIGNMENT AND SALE

### **10.1 Assignment/Sublease**

- (a) Except as permitted in this Article X,
  - (i) the Tenant shall not be permitted to assign this Lease, sublet all or any part of the Leased Lands or the Facilities, mortgage or charge or grant a security interest in this Ground Lease or its leasehold interest in the Leased Lands or share or part with the possession of the whole or any part of the Leased Lands or the Facilities (collectively, a "**Transfer**") without the prior written Approval of the Landlord, and
  - (ii) together with the request for such Approval (or notice for a Permitted Transfer), the Tenant shall provide an executed agreement (an "**Assumption Agreement**") in favour of the Landlord, whereby the transferee pursuant to the Transfer agrees to observe and perform all of the covenants and obligations of the Tenant in this Ground Lease.

### **10.2 Assignment by Landlord**

In the event of the sale, transfer or conveyance by the Landlord of the Leased Lands, or the assignment by the Landlord of this Ground Lease or any interest of the Landlord hereunder to a purchaser, transferee or assignee acceptable to the Tenant, acting reasonably, and to the extent that such purchaser, transferee or assignee assumes the Landlord's Covenants, the Landlord shall, thereupon and without further agreement, be freed and relieved of all liability with respect to the Landlord's Covenants.

### **10.3 Permitted Transfers**

Notwithstanding Section 10.1 hereof:

- (a) The following Transfers:
  - (i) by the Tenant to a successor municipality;
  - (ii) by the Tenant to any agency, operator, person, organization, manager or other entity or any combination thereof (each an "**Operator**") that the Tenant considers appropriate for the operation and management of the Facilities in accordance with the MOU at any time and from time to time; and
  - (iii) by the Tenant or an Operator to individual subtenants for residential purposes (any such Transfer hereinafter referred to as an "**Occupant Transfer**");(hereinafter referred to as a "**Permitted Transfer**" and each shall be individually a "**Permitted Transferee**") shall not require the approval or consent of the Landlord.
- (b) Save and except in the case of any Occupant Transfer, for which this Section 10.3(b) shall not apply, the Tenant shall provide the Landlord with prior written notice of any Permitted Transfer.
- (c) If the Permitted Transfer is to:
  - (i) a successor municipality, then upon execution of the Assumption Agreement by the Landlord and the successor municipality, the Tenant shall be released from all covenants, obligations and liabilities under this Lease arising at any time during the Term following the effective date of the Permitted Transfer set out in the Assumption Agreement; and

- (ii) an Operator pursuant to a sublease of all of the Leased Lands and Facilities, then an Assumption Agreement shall not be required provided the Operator covenants and agrees in its sublease with the Tenant that the Operator shall at all times comply with the terms and conditions of this Ground Lease, including but not limited to Section 13.1.

#### **10.4 Approval of Landlord**

In providing its Approval to a Transfer where such Approval is required, the Landlord shall be required to not unreasonably withhold such Approval.

### **ARTICLE XI** **INSURANCE**

#### **11.1 Construction Insurance**

- (a) Prior to the commencement of construction of the Facilities or any other Improvements on the Leased Lands, the Tenant shall effect and maintain or cause to be effected and maintained, until completion of the construction of the Improvements, the following insurance coverages:
  - (i) insurance protecting the Landlord and the Tenant (without rights of cross claim or subrogation against the Landlord or the Tenant) from loss due to damage to the Improvements and fixtures, equipment and building materials on the Leased Lands from time to time during construction. Such insurance may be by policies effective from time to time covering the risks during different phases of construction and shall be in an “all risks” form including resultant damage from error in design, faulty workmanship and, to the extent available and generally obtained for similar properties in the City of Toronto, in an amount not less than the replacement cost of such Improvements, fixtures, equipment and building materials at all times and in any event in an amount sufficient to prevent the Landlord from being deemed to be co-insurer; and
  - (ii) insurance coverage protecting the Landlord as well as the Tenant and all contractors, sub-contractors of any tier, consultants, architects, engineers, construction managers and project managers engaged in the construction of the Facilities or other Improvements (without rights of cross claim or subrogation against the Landlord or the Tenant) from damages because of property damage and/or bodily injury (including death) arising out of all of the construction operations pertaining to the Leased Lands or arising out of the control or use of the Leased Lands by the Tenant. The policy limit shall be no less than Ten Million Dollars (\$10,000,000.00) per occurrence and Ten Million Dollars (\$10,000,000.00) in the aggregate. The policy shall provide no less than two (2) years completed operations coverage, and non-owned automobile liability insurance (including contractual liability) shall be included.
- (b) The Tenant shall ensure that all contractors and subcontractors purchase, provide and maintain automobile liability insurance and contractor’s equipment insurance and provide the Tenant with proof of such insurance. The contractor’s equipment coverage shall provide a waiver of subrogation in favour of the Landlord.
- (c) The Tenant shall purchase, provide and maintain or cause to be purchased, provided and maintained, at no cost to the Landlord, project specific pollution liability insurance coverage (combined contractors’ pollution liability and pollution legal liability) in the minimum amount of Five Million Dollars (\$5,000,000.00) per claim and in the aggregate. Such policies shall have an extended reporting period being a minimum of 36 months following the Substantial Performance Date.
- (d) Tenant and all contractors, subcontractors of any tier, consultants, architects or engineers, construction managers and project managers engaged on the Project shall purchase, provide and maintain or cause to be purchased, provided and maintained, at no cost to the Landlord, workplace safety and insurance board insurance in accordance with Province of Ontario requirements.

## 11.2 “All Risks” Property Insurance

Except with respect to any portion of the Improvements which is insured pursuant to Section 11.1, the Tenant shall insure and keep insured at all times during the Term, the Improvements and all other insurable property from time to time forming part of the Facilities from and after the completion of construction of same or installation on the Leased Lands, as the case may be, in an amount not less than the replacement cost from time to time thereof against loss or damage by perils of “All risks” (being the perils from time to time included in the standard “All risks” policy issued by insurers from time to time) to the extent available and generally obtained for similar properties in the City of Toronto. **Notwithstanding the foregoing, so long the Tenant is the City of Toronto or a successor municipality, the Landlord agrees that the Tenant shall be permitted to self-insure for the first \$5,000,000 of loss on a per occurrence basis to the Improvements and all other insurable property from time to time forming part of the Facilities.**

## 11.3 Deductibles

The Tenant may effect the insurance required to be maintained pursuant to this Article under a policy or policies in the amounts required less such reasonable deductible amounts as would normally be maintained by persons insuring similar properties in the City of Toronto. The cost of the deductible will be borne by the Tenant, subject to the other terms and conditions of this Ground Lease.

## 11.4 Public Liability Insurance

The Tenant shall, during the Term (commencing on completion of construction of the Facilities and any other related Improvements on the Leased Lands), effect and maintain comprehensive public liability insurance on an occurrence basis against claims from bodily injury, personal injury, death or property damage suffered by others arising out of the operations of the Tenant and those for whom the Tenant is at law responsible (collectively, the “**Liability Claims**”), indemnifying and protecting them in such amounts as shall reasonably be required by the Landlord from time to time and to such extent as may from time to time be usual and prudent with companies operating or owning similar properties in equivalent locations (which amount shall not initially be less than Ten Million Dollars (\$10,000,000.00) for any personal and bodily injury, death, property damage or other claim in respect of any one accident or occurrence) and, without limitation, with provisions for cross liability and severability of interests, tenant’s legal liability, contractual liability, non-owned automobile liability and legal liability for damage to hired automobiles, products and completed operations, advertising injury liability, contingent employer’s liability and employees as additional insureds. The Landlord and any Freehold Mortgagees of the Landlord shall be named as additional insureds in such insurance. **Notwithstanding the foregoing, so long the Tenant is the City of Toronto or a successor municipality, the Landlord acknowledges and agrees that the Tenant shall be permitted to self-insure on a per occurrence basis the first \$5,000,000.00 of any Liability Claims.**

## 11.5 Insurance Primary

The insurance policy or policies placed by the Tenant pursuant to this Article shall be primary and shall be fully exhausted before calling into contribution any insurance available to the Landlord.

## 11.6 Co-insurance

If any policies of insurance required under this Article contain any co-insurance clause, the Tenant shall obtain and maintain at all times a sufficient amount of such insurance to meet the requirements of any such co-insurance clause so as to prevent the insureds from becoming co-insurers under the terms of such policy or policies and to permit full recovery of the amounts insured in the event of loss (subject to the provisions for deductibles set out in Section 11.3 hereof).

## 11.7 Insurance Certificates

All insurance to be provided pursuant to this Article shall be placed with reputable and quality insurers licenced in Ontario. The Tenant shall upon the Commencement Date of the



Term and annually upon the renewal of such insurance provide the Landlord with a certificate of each insurance policy required to be maintained by the Tenant under this Article XI.

#### **11.8 Non-Cancellation**

Each of the policies of insurance provided pursuant to this Article XI shall contain an agreement by the insurer to the effect that it will not cancel or refuse to renew or materially alter such policy prior to its expiration, whether by reason of non-payment of premium, non-fulfillment of condition or otherwise, except after thirty (30) days prior written notice to the Landlord and to any other insured or mortgagee named in such policy.

#### **11.9 Premiums and Evidence of Payment Thereof**

The Tenant shall duly and punctually pay all premiums and other sums of money payable for maintaining the insurance to be provided by it pursuant to this Article. The Tenant will produce to the Landlord as soon as is reasonably feasible following written request from the Landlord, evidence of the renewal or replacement of such insurance and shall make available upon request evidence of every payment of all premiums and other sums of money payable for maintaining such insurance in force. The Tenant shall be entitled to satisfy the insurance requirements set out in this Ground Lease by its blanket policies provided all such coverages are included and the Landlord is named and insured by such policies as required in this Article XI.

#### **11.10 Loss Payable**

The parties shall cause any and all policies of insurance provided for in this Article to be written in the joint names of the Landlord and the Tenant and those for whom they are at law responsible and any mortgagee which may require to be so named, with loss to be paid in respect of any damage or destruction of property insured thereunder to the insureds in accordance with Section 11.12 or, if requested by any of the Landlord, the Tenant or any such mortgagee, to the Insurance Trustee acceptable to the Tenant, and to be paid in accordance with Section 11.12. Subject to Section 11.12(a), 11.12(a) the insurance proceeds from all such policies shall be made available for repair and rebuilding of the property damaged or destroyed. Except as expressly provided in this Section 11.10, the Insurance Trustee may determine the manner in which such proceeds will be made available and impose any requirements it deems reasonable, consistent with the objects of the insurance trust to which it is subject, and to best ensure that repair and rebuilding will be properly effected. **Notwithstanding the foregoing, so long that the Tenant is the City of Toronto or a successor municipality: (i) the Tenant shall only be required to include the Landlord and Freehold Mortgagees as loss payees, as their interests may appear, and (ii) the requirements with respect to the Insurance Trustee set out in this Section 11.10 and Section 11.12 below shall not apply to the Tenant.**

#### **11.11 Landlord's Right to Insure**

The Tenant shall advise the Landlord of any cancellation, material alteration or lapse of any policies of insurance required to be provided hereunder. If the Tenant fails to effect and keep such insurance in force, or should such insurance be in an amount less than the amount Approved by the Landlord, the Landlord shall have the right, but not the obligation, upon Notice to the Tenant and without assuming any obligation in connection therewith, to effect any such insurance at the cost of the Tenant and the Landlord shall be immediately reimbursed by the Tenant for all such outlays without prejudice to any other rights and recourses the Landlord may have under this Ground Lease as a result of such failure. No such insurance taken out by the Landlord shall relieve the Tenant of its obligations to insure hereunder and the Landlord shall not be liable for any loss or damage suffered by the Tenant in connection therewith.

#### **11.12 Insurance Trustee**

Where damage or destruction occurs with respect to the Facilities or the Improvements which is wholly or partly covered by insurance, the proceeds of which are payable to an Insurance Trustee pursuant to Section 11.10, such insurance proceeds shall be disbursed in accordance with the following provisions:

- (a) if the Tenant terminates this Ground Lease pursuant to Section 12.1, and the Landlord does not notify the Tenant that it will be proceeding with the repair of the damage or destruction to the Facilities or the Improvements, then all insurance proceeds payable

with respect to property damage or destruction shall be paid to the Tenant notwithstanding any other provision in this Ground Lease;

- (b) where insurance proceeds under any insurance policy with regard to property damage or destruction become payable in an amount not exceeding Two Million Dollars (\$2,000,000.00), they shall be released to the Tenant, as the case may be, in connection with repairs under Article XII, and the Tenant shall not be required to comply with any of the formalities of this Section 11.12 in connection therewith and the proceeds shall be used by the Tenant to repair, reconstruct or replace, as the case may be, the property damaged or destroyed;
- (c) subject to Section 11.3, where insurance proceeds under any insurance policy with respect to property damage or destruction become payable in an amount exceeding Two Million Dollars (\$2,000,000.00), they shall be released upon the request of the Tenant to the Tenant from time to time in instalments for the purpose of reimbursement for the cost of repairing, reconstructing or replacing, as the case may be, the property damaged or destroyed but subject to the further requirements of this Section;
- (d) where any contract is entered into for the carrying out of any work pursuant to Article VIII, copies of the estimates for any work and the contracts for the completion of the work shall be submitted to the Insurance Trustee and it shall distribute such copies to the Landlord and any mortgagees who are not parties to such contracts;
- (e) any progress payments to be made under this Section by the Insurance Trustee shall not be made without the engineer or architect retained in respect of the repair, reconstruction or replacement (as may in each case be appropriate in the circumstances) certifying as to the estimated amount required to complete the work at the date of the certificate, the amount claimed by individual contractors at that date, the amount owing on work already done at that date, the amount of any payments made at that date for work already done, the amount of work already done at that date and the amount of work to be completed, and the Insurance Trustee shall be required to retain in its hands at the date of any payment an amount sufficient to pay the estimated cost of completion of all outstanding work, even though that has the effect that the payment made becomes less than the amount certified to be due;
- (f) in making any payment under this Section, the Insurance Trustee shall have regard to construction lien legislation applicable in the province of Ontario and shall retain within its control, for the period specified in such legislation, the amount of any holdback required;
- (g) the fees and expenses of the Insurance Trustee shall be borne by the Tenant and shall be paid out of the monies held by the Insurance Trustee;
- (h) in case of any dispute as to the terms of any contract or the amount of any estimate or any matter relating to the actual work of repair, reconstruction or replacement, such dispute shall be decided by an architect or other qualified professional person appointed by the Insurance Trustee and such decision shall be final;
- (i) should the insurance monies, if any, be insufficient to pay the entire cost of repairing, reconstructing or replacing the Improvements, the Tenant agrees to pay the deficiency or the entire cost, as the case may be;
- (j) on the completion of all work and payment in full therefor by the Tenant, the Insurance Trustee shall, upon receipt of reasonable evidence that such work has been completed and paid for in full and that there are no outstanding lien claims, release to the Tenant any insurance monies then remaining and in the possession or under the control of the Insurance Trustee; and
- (k) if:
  - (i) at any time during the Term the Improvements are damaged or destroyed (hereinafter called "**Damage**");



- (ii) pursuant to Section 12.1, an independent architect engaged by the Tenant issues his or her opinion that such Damage cannot with reasonable diligence be repaired or rebuilt:
  - (A) within two hundred and seventy (270) days after the happening of such Damage; or
  - (B) within ninety (90) days if there is less than two (2) years remaining under the Term;
- (iii) the Tenant does not exercise the option in Section 12.1 to terminate this Ground Lease but elects to replace the Improvements damaged or destroyed with new Improvements or to repair or reconstruct the damaged Improvements;
- (iv) the Tenant does not commence the repair, reconstruction or replacement of the damaged Improvements within two (2) years of the issuance of the architect's opinion referred to in Subsection (ii) of this Section 11.12(k), or the Tenant commences the repair, reconstruction or replacement of the damaged Improvements but does not thereafter diligently proceed with such repair, reconstruction or replacement to completion such that, at the end of the two (2) years following the issuance of the said architect's opinion, the repair, reconstruction or replacement has not been completed; and
- (v) at the end of the two (2) year period following the issuance of the architect's opinion referred to in Subclause (ii) of this Section 11.12(k), the Insurance Trustee is holding insurance proceeds in respect of the Damage;

then the Landlord shall be entitled to require the Insurance Trustee to pay over to the Landlord an amount out of the insurance proceeds being held by the Insurance Trustee and payable on account of such damage or repair that is sufficient to reimburse the Landlord for all costs and expenses incurred by the Landlord in (i) rebuilding the damaged Improvements, or (ii) demolishing the damaged Improvements then located on the Leased Lands, removing from the Leased Lands all such Improvements and all rubble and debris resulting or arising from the demolition of such Improvements and filling all excavated areas with clean fill and grading and compacting to one hundred percent (100%) Standard Proctor Density and removing from the Leased Lands any rubble, debris and Hazardous Substances, all in accordance with the Tenant's obligations in Section 2.2. The Insurance Trustee shall, upon receipt from the Landlord of reasonable evidence that such work has been completed and paid for in full and that there are no outstanding lien claims, pay to the Landlord one hundred percent (100%) of the costs incurred by the Landlord pursuant to this Section, provided that in no event shall the Insurance Trustee be required to pay any amount in excess of the amount of insurance proceeds then being held by the Insurance Trustee. The balance of any insurance proceeds then being held by the Insurance Trustee after payment of the foregoing amounts to the Landlord shall be paid to the Tenant. The Parties agree that the Landlord shall exercise its right to require payment from the Insurance Trustee pursuant to this Section within six (6) months from the date that the Tenant fails to commence the repair, reconstruction or replacement of the damaged Improvements or, having commenced such repair, reconstruction or replacement, ceases to diligently proceed with such repair, reconstruction or replacement. **Notwithstanding the foregoing, if the Tenant is the City of Toronto or a successor municipality, then all references to the Insurance Trustee in this Section 11.12 shall be replaced with the Tenant.**

## **ARTICLE XII**

### **DAMAGE OR DESTRUCTION**

#### **12.1 Repair and Replacement**

The Landlord and the Tenant agree that, if at any time during the Term, the Improvements are Damaged and such Damage, in the opinion of an independent architect engaged by the Tenant, cannot with reasonable diligence be repaired or rebuilt: (i) within two hundred and seventy (270) days after the happening of such Damage; or (ii) cannot be re built or repaired within ninety (90) days after the happening of such Damage and there is less than two (2) years remaining under the Term, then the Tenant shall have the option (such option to be

exercised within sixty (60) days of the date of such Damage), to terminate this Ground Lease or to commence to replace the Improvements damaged or destroyed with new Improvements or repair or reconstruct the damaged Improvements, in which event this Ground Lease shall remain in full force and effect in accordance with its terms.

If the Tenant elects to terminate this Ground Lease, such termination shall be effective thirty (30) days following written notice given by the Tenant to the Landlord that the Tenant is exercising its option to terminate this Ground Lease. Such option shall be exercised within thirty (30) days after the happening of the Damage. In the event the Tenant elects to terminate this Lease, the Tenant shall deliver up vacant possession of the Leased Lands upon the expiry of the thirty (30) day notice period in compliance with the Tenant's obligations in Section 2.2.

If the Tenant elects to replace or repair and reconstruct the damaged Improvements, any such replacement, repair or reconstruction shall be commenced within a reasonable period of time after such Damage and shall be made or done in compliance with Article VI and Article VIII.

## **12.2 Rent Not to Abate**

The Tenant's obligation to pay Rent and all other sums payable by the Tenant under the provisions of this Ground Lease shall not be affected, nor shall such Rent abate or be diminished, in the event of any Damage to the Improvements, regardless of the cause or extent thereof, and the Tenant hereby waives the provisions of any statute or rule of law to the contrary now or hereafter in effect, it being the intent of this Ground Lease (which is essentially a lease of the Leased Lands) that the Improvements shall be at the risk of the Tenant.

## **12.3 Rebuilding with Alterations**

If the Improvements shall be Damaged, but in the opinion of the Tenant, it is practical and economic to rebuild or restore the Improvements with changes or alterations, and if the Tenant shall desire to make such changes or alterations, the Tenant may, in the course of repairing the Damage, incorporate changes or alterations, provided that the provisions of Article VI and Article VIII are complied with. Subject to Article XI, all proceeds of insurance payable in respect of such Damage shall be paid to the Tenant to enable the Tenant to rebuild or restore the Improvements as aforesaid.

# **ARTICLE XIII** **DEFAULT**

## **13.1 Events of Default and Termination**

- (a) An event of default ("**Event of Default**") shall be deemed to have occurred hereunder if any one or more of the following events occurs:
  - (i) if default is made in the due payment of any Rent, and such default is not remedied within ten (10) days after written notice specifying the default has been delivered by the Landlord to the Tenant; or
  - (ii) if default is made in the due payment of any amount of which could give rise to a lien, charge or other encumbrance attaching to the Landlord's freehold interest in the Leased Lands, and such default is not remedied within fifteen (15) days after written notice specifying the default has been delivered by the Landlord to the Tenant; or
  - (iii) if default is made by the Tenant in the performance of or compliance with any of the Tenant's Covenants, other than those referred to in Sections 13.1(a)(i) and (ii), and such default continues for a period of fifteen (15) days after written notice specifying the default has been delivered by the Landlord to the Tenant. However, with respect to any such default which is of a nature that it cannot, with due diligence, be cured within a period of fifteen (15) days, an Event of Default shall be deemed not to exist if the Tenant has commenced to cure such default within fifteen (15) days after written notice thereof from the Landlord and so long as the Tenant thereafter proceeds with due diligence to rectify such default and provides the Landlord from time to time (and in any event on demand being made

by the Landlord) with evidence satisfactory to the Landlord, acting reasonably, as to the steps being taken by the Tenant towards remedying the default; or

- (iv) if the Tenant shall make an assignment for the benefit of creditors, or assign in bankruptcy or take the advantage in respect of its own affairs of any statute for relief in bankruptcy, moratorium, settlement with creditors, or similar relief of bankrupt or insolvent debtors, or if a receiving order is made against the Tenant or if the Tenant is adjudged bankrupt or insolvent, or if a liquidator or receiver of any property of the Tenant is appointed by reason of any action or alleged insolvency, or if the interest of the Tenant in this Ground Lease or the Facilities shall become liable to be taken or sold under any writ of execution or other like process which shall remain undischarged for thirty (30) days; or
  - (v) subject to Section 5.4, if the Tenant abandons the Leased Lands and the Facilities, and the Tenant's operations within the Facilities have been discontinued (which shall be deemed to be the case after thirty (30) days of vacancy, subject to extension mutually agreed to by the parties in advance, by reason of force majeure, or for health and safety reasons).
- (b) If and whenever an Event of Default occurs, then the Landlord has to the extent permitted by law (including but not limited to the *Residential Tenancies Act*), the immediate right of re-entry upon the Leased Lands and it may expel all Persons and remove all property from the Leased Lands and such property may be removed and sold or disposed of by the Landlord in such manner as the Landlord in its sole and absolute discretion deems advisable or may be stored in a public warehouse or elsewhere at the cost and for the account of the Tenant, all without service of notice or resort to legal process and without the Landlord being considered guilty of trespass or becoming liable for any loss or damage which may be occasioned thereby including any such loss or damage caused by the negligence of the Landlord or its servants and agents.
- (c) If the Landlord elects to re-enter the Leased Lands or if it takes possession pursuant to legal proceedings or pursuant to any notice provided for by law, it may either terminate this Ground Lease or it may from time to time without terminating this Ground Lease, make any alterations and repairs which the Landlord, in its sole and absolute discretion, deems necessary in order to re-let the Leased Lands, or any part thereof, for such term or terms (which may be for a term extending beyond the Term) and at such rent and upon such other terms, covenants and conditions as the Landlord in its sole and absolute discretion considers advisable. Upon each such re-letting all rent received by the Landlord will be applied as follows:
- (i) first to the payment of any indebtedness other than Rent due hereunder;
  - (ii) second, to the payment of any costs and expenses of re-letting, including brokerage fees and solicitors' fees and the costs of all alterations and repairs to the Leased Lands which the Landlord, in its sole and absolute discretion, deems necessary in order to re-let the Leased Lands;
  - (iii) third, to the payment of Rent due and unpaid hereunder; and
  - (iv) the residue, if any, will be held by the Landlord and applied in payment of future Rent as same becomes due and payable hereunder.

The Landlord shall in no way be responsible or liable for any failure to re-let the Leased Lands or any part thereof, or for any failure to collect any Rent due upon any such re-letting. No re-entry or taking possession of the Leased Lands by the Landlord will be construed as an election on its part to terminate this Ground Lease unless a written notice of such intention is given to the Tenant. Notwithstanding any re-letting without termination the Landlord may at any time thereafter elect to terminate this Ground Lease for the previous breach.

- (d) If the Landlord terminates this Ground Lease, in addition to any other remedies it may have, the Landlord may recover from the Tenant all damages it incurs by reason of the Tenant's breach, including, without limitation, the cost of recovering the Leased Lands, brokerage fees and solicitors' fees, the cost of all tenant inducements, alterations and

repairs to the Leased Lands which the Landlord, acting reasonably, deems necessary in order to re-let the Leased Lands and the worth at the time of such termination of the excess, if any, of the amount of Rent required to be paid pursuant to this Ground Lease for the remainder of the Term (had this Ground Lease not been terminated) over the then rental value of the Leased Lands, as determined by the Landlord, for the remainder of the Term (had this Ground Lease not been terminated), all of which amounts shall be immediately due and payable by the Tenant to the Landlord.

- (e) Upon the bankruptcy of the Tenant, the full amount of the current month's Rent and Rent for the next ensuing three (3) month period will immediately become due and payable to the Landlord as accelerated rent together with any Rent arrears then unpaid.

### **13.2 No Waiver**

No failure by either Party to insist upon strict performance of any covenant, agreement, term or condition of this Ground Lease or to exercise any right or remedy consequent upon a breach thereof, whether or not such Party has notice of such breach, shall constitute a waiver of any such breach or of such covenant, agreement, term or condition. No covenant, agreement, term or condition of this Ground Lease to be performed or complied with by either Party and no breach thereof, shall be waived, terminated, altered or modified except by a written instrument executed by the Parties. No waiver of any breach shall affect or alter this Ground Lease but each and every covenant, agreement, term and condition of this Ground Lease shall continue in full force and effect with respect to any other then existing or subsequent breach thereof.

### **13.3 Enjoining Breach**

In the event of any breach or threatened breach by either Party of any of the covenants, agreements, terms or conditions contained in this Ground Lease, the other Party shall be entitled to enjoin such breach or threatened breach and shall have the right to invoke any right or remedy allowed at law or at equity or by statute or otherwise.

### **13.4 Landlord's Right to Cure Tenant's Defaults**

The Tenant agrees that upon the occurrence of an Event of Default, pursuant to Section 13.1, the Landlord may cure such default, all on behalf of and at the expense of the Tenant, unless the Tenant has commenced and is diligently proceeding to cure such default. The Landlord may also do all necessary work and make all necessary payments in connection therewith including, without limitation, any solicitor's fees, costs and charges of or in connection with any legal action which may have been brought. The Tenant agrees to pay to the Landlord forthwith any amount so paid by the Landlord together with interest thereon at the Prime Rate plus four percent (4%) per annum. All sums charged to the Tenant by the Landlord hereunder shall be deemed to be Rent and payable within fifteen (15) days of a demand therefor.

### **13.5 Acceptance of Rent - Non-Waiver**

No receipt of monies by the Landlord from the Tenant after the cancellation of this Ground Lease in any lawful manner shall reinstate, continue or extend the Term, nor affect any notice previously given to the Tenant or operate as a waiver of the right of the Landlord to enforce the payment of Rent then due or thereafter falling due, or operate as a waiver of the right of the Landlord to recover possession of the Leased Lands by proper suit, action, proceedings or other remedy. After the service of any notice to cancel this Ground Lease and the expiration of any time therein specified or after the commencement of any suit, action, proceeding or other remedy, or after a final order or judgment for possession of the Leased Lands, the Landlord may demand, receive and collect any monies due, or thereafter falling due, without in any manner affecting such notice, suit, action, proceeding, order or judgment. Any and all such monies so collected shall be deemed payments on account of the use and occupation of the Leased Lands or at the election of the Landlord on account of the Tenant's liability hereunder.

### **13.6 Accord and Satisfaction**

No payment by the Tenant or receipt by the Landlord of a lesser amount than the Rent herein stipulated shall be deemed to be other than on account of the earlier stipulated Rent, nor shall any endorsement or statement on any cheque or any letter accompanying any cheque or payment as Rent be deemed an accord and satisfaction, and the Landlord may accept such

cheque or payment without prejudice to the Landlord's rights to recover the balance of such Rent or pursue any other remedy provided in this Ground Lease.

### **13.7 Legal Expenses**

If the assistance of legal counsel shall be required to recover possession of the Leased Lands, re-let the Leased Lands, recover Rent, or because of the breach of any of the Tenant's Covenants, or to advise the Landlord on any of the foregoing matters, the Tenant shall pay to the Landlord all expenses incurred therefor, including reasonable solicitor fees on a full indemnity basis.

### **13.8 Alternative Remedies**

Unless this Ground Lease specifically provides to the contrary, the Landlord may, from time to time, resort to any or all of the rights and remedies available to it in the event of an Event of Default, pursuant to this Ground Lease or by statute or at law, all of which rights and remedies are intended to be cumulative and not alternative, and the express provisions hereunder as to certain rights and remedies are not to be interpreted as excluding any other or additional rights and remedies available to the Landlord by statute or at law unless this Ground Lease specifically provides to the contrary.

### **13.9 Indemnity**

The Tenant shall promptly indemnify and save the Landlord harmless from and against any and all Claims arising out of any breach, violation or non-observance by the Tenant of any of its covenants in or obligations under this Ground Lease, from any: (i) damage to property (while such property shall be in or about the Leased Lands or the Improvements), except to the extent arising from the negligence or wilful misconduct of the Landlord, the Landlord's Employees and those for whom the Landlord is in law responsible, and (ii) injury to any Person (including without limitation any of the Landlord's Employees or those for whom the Landlord is in law responsible, including but not limited to death resulting at any time therefrom, occurring on or about the Leased Lands). This Indemnity shall survive the expiry or earlier termination of the Term.

### **13.10 Landlord Not Liable**

The Landlord shall not be responsible or liable in any way for any injury to any Person (including but not limited to death) or for any loss of or damage to any property belonging to the Tenant, the Tenant's Employees or to any occupants of the Leased Lands or their respective employees, agents, invitees, licensees or other Persons from time to time attending at the Leased Lands, while such Person or property is in or about the Leased Lands, unless such injury or damage was caused by the negligence or wilful misconduct of the Landlord, the Landlord's Employees or those for whom the Landlord is in law responsible.

## **ARTICLE XIV** **LANDLORD'S COVENANTS**

### **14.1 Quiet Enjoyment**

Subject to the Landlord's rights arising on an Event of Default and to the exercise of the Landlord's rights of inspection and entry in accordance with this Ground Lease, the Landlord covenants with the Tenant that the Tenant may peaceably possess and enjoy the Leased Lands for and during the Term, without any interruption or disturbance from the Landlord, or any other person or persons lawfully claiming by, from or under it (unless pursuant to the exercise of the Landlord's rights of entry and inspection in accordance with this Ground Lease).

### **14.2 Title to Lands**

The Landlord represents and warrants that it has good title in fee simple to the Lands and that title to the Leased Lands are free and clear of all mortgages, charges, liens, encumbrances, agreements, easements, rights of way and third-party claims, save and except for the Permitted Encumbrances.

### 14.3 Right to Ground Lease

The Landlord represents and warrants to the Tenant that the Landlord has the full right and authority to lease the Leased Lands to the Tenant in accordance with this Ground Lease.

### 14.4 Landlord's Covenants

The Landlord covenants with the Tenant to observe and perform the Landlord's Covenants.

### 14.5 Certificate of Status

Upon the written request from the other, the Landlord and the Tenant shall provide, within a reasonable time following such request, a certificate to any person designated by the requesting party: (a) certifying that the Ground Lease is in full force and effect and has not been assigned, modified, supplemented or amended (except by such writings as shall be stated), (b) that all conditions under the Ground Lease to be performed by the other to date have been satisfied (stating exceptions, if any), (c) the state of the Rent account, and (d) such other information as the other reasonably requires. Persons to whom the certificate is addressed shall be entitled to rely upon such statements.

## **ARTICLE XV** **ARBITRATION**

### 15.1 Arbitration

- (a) If the Parties are unable for a period of thirty (30) days to agree on any matter upon which they are required by the terms of this Ground Lease to agree upon or which is necessary for them to agree upon in order to conduct their respective business, then the matters shall be submitted to an Arbitration Panel (the "**Arbitration Panel**"). Arbitration proceedings shall be started by the party desiring arbitration (hereinafter called the "**Initiating Party**") giving Notice to the other party (hereinafter called the "**Responding Party**") specifying briefly the matter to be arbitrated and designating an arbitrator, and the Responding Party shall be entitled to designate a second arbitrator by giving Notice thereof to the Initiating Party within ten (10) days after receipt of the Initiating Party's Notice. If the Responding Party shall elect to designate a second arbitrator and deliver Notice thereof within the time limited above, the two arbitrators so designated shall within ten (10) days following the receipt of the Notice designating the Responding Party's arbitrator designate a third arbitrator to act jointly with them. If the arbitrators shall be unable to agree in the selection of the third arbitrator (who shall be the Chairman of the Arbitration Panel hereunder), the third arbitrator shall be designated by a Judge of the Superior Court of Justice of Ontario upon proper application by the Initiating Party pursuant to the provisions of the Arbitration Act. The arbitration panel shall then promptly proceed to hear the evidence and submissions of the Initiating Party and the Responding Party and shall render a written decision within thirty (30) days after the designation of the third arbitrator. The decision of the majority of the Arbitration Panel shall be deemed to be the decision of the Arbitration Panel, both in respect of the procedure and conduct of the parties during the arbitration and the final determination of the matter to be arbitrated, and such decision shall be final and binding upon the parties and shall not be subject to appeal and may be made an order of the Court pursuant to the Arbitration Act.
- (b) Submission to arbitration as provided in this Section 15.1 shall be a condition precedent to the bringing of any legal action with respect to any matter expressly required or permitted to be arbitrated pursuant to the provisions of this Ground Lease. The Arbitration Panel shall have the authority to assess the costs of the Arbitration Panel against either or both the Initiating Party or the Responding Party but each party, however, shall bear its own evidence, witness and legal counsel fees.
- (c) It is agreed that the arbitration shall take place in Toronto, Ontario and that such arbitration shall be held for the purpose of hearing such evidence and representations as either the Initiating Party or Responding Party may present at a time and place in Toronto, Ontario to be agreed upon at the time by the parties or, failing such agreement, by the arbitrators. Furthermore, the party in whose favour the arbitration decision is



rendered shall be entitled to specific performance to ensure that such decision is properly carried out.

- (d) For greater certainty, the provisions of this Article shall not preclude a party from exercising any of its other rights under this Ground Lease or at law and a dispute over whether or not an Event of Default has occurred shall not be an arbitrable matter, unless both parties consent to the matter being arbitrated.

## **15.2 Failure to Designate Arbitrator**

If the Responding Party shall fail to designate an arbitrator and deliver Notice thereof to the Initiating Party within the time limited herein, then the arbitrator appointed by the Initiating Party shall be entitled to arbitrate the matter to be arbitrated as if appointed a single arbitrator pursuant to the provisions of the Arbitration Act.

## **ARTICLE XVI** **GENERAL PROVISIONS**

### **16.1 Severability**

In the event that any provision of this Ground Lease is held to be invalid, illegal or unenforceable by a court of competent jurisdiction, such provision shall not affect the validity, legality or enforceability of any other provision of this Ground Lease and such invalid, illegal or unenforceable provision shall be deemed to be severed from this Ground Lease and this Ground Lease shall be construed and enforced as if such invalid, illegal or unenforceable provision had never been inserted in this Ground Lease.

### **16.2 Relationship of Parties**

The provisions contained in this Ground Lease shall be deemed not to create any partnership or joint venture between the parties.

### **16.3 Expropriation**

In the event of expropriation of the Leased Lands or any part thereof by any Authority other than the Tenant, each of the Landlord and the Tenant shall be entitled to seek compensation from the expropriating Authority for their respective interest so expropriated, provided that the Tenant shall be entitled to receive all compensation for the Facilities. Both the Landlord and the Tenant agree to cooperate with each other in respect of any expropriation of all or any part of the Leased Lands, so that each may receive the maximum award in the case of any expropriation to which they are respectively entitled at law. In the event of expropriation of all of the Leased Lands by any Authority other than the Tenant, this Ground Lease and the Term shall be terminated effective the date of such expropriation, Base Rent any amounts paid or payable by the Tenant pursuant to Article III and Article IV shall be apportioned to the date of termination and the Tenant shall surrender possession of the Leased Lands to the Landlord, provided that such termination shall not affect the Tenant's claim to seek compensation as aforesaid. No party shall assert any Claims against the other arising out of such expropriation or taking.

### **16.4 Ground Lease Subordination**

The Landlord hereby agrees that every Freehold Mortgagee whose rights in the Leased Lands have been granted by the Landlord and who have priority over the rights of the Tenant in the Leased Lands, including without limitation any Freehold Mortgagee's Freehold Mortgage which is a Permitted Encumbrance, shall execute an acknowledgment of priority in favour of the Tenant in a form acceptable to the Tenant, acting reasonably, and the Freehold Mortgagee, provided that the Tenant has executed in favour thereof an attornment agreement as contemplated herein. The Tenant may deal directly with the Freehold Mortgagee in negotiating and settling the form of the acknowledgment of priority.

If any Freehold Mortgagee, or proposed Freehold Mortgagee, requires this Ground Lease to be subordinated to such Freehold Mortgagee's Freehold Mortgage, then the Tenant shall execute an instrument or instruments confirming such subordination in a form satisfactory to the Freehold Mortgagee and the Tenant, acting reasonably, which instrument must contain the Freehold Mortgagee's agreement that if it enforces its security, the Tenant will be entitled to

remain in possession of the Leased Lands in accordance with the terms of this Ground Lease and the Freehold Mortgagee shall provide the Tenant with a Non-Disturbance Agreement in form satisfactory to the Tenant's solicitors, acting reasonably.

#### **16.5 Modification**

This Ground Lease may not be modified or amended except by instrument in writing signed by the Landlord and the Tenant.

#### **16.6 Attornment**

The Tenant shall, if proceedings are brought for the foreclosure of the Landlord's interest in the Leased Lands, or if there is exercise of the power of sale under any Freehold Mortgage, attorn to the Freehold Mortgagee or the purchaser upon any such foreclosure or sale, and recognize such Freehold Mortgagee or the purchaser as the Landlord under this Ground Lease, and the Tenant shall execute promptly such instruments or certificates to carry out the intent of this Section as shall be reasonably requested by the Landlord, such Freehold Mortgagee or purchaser, provided that the Freehold Mortgagee or purchaser agrees to recognize the Tenant as a tenant of the Leased Lands, and has delivered to the Tenant a non-disturbance agreement in form acceptable to the Tenant, acting reasonably.

#### **16.7 Further Assurances**

Each party shall diligently execute and diligently provide such further documents or instruments as may be reasonably required by the other; and diligently do and perform or cause to be done and performed such further and other acts, as may be reasonably necessary to effect the purpose of and to carry out the provisions of this Ground Lease.

#### **16.8 Notice**

Any notice, request or other communication required or permitted to be given by this Ground Lease shall be in writing and shall be effectively given if (a) delivered personally; or (b) sent by prepaid courier service.

- (a) in the case of notice to the Landlord at:

200 Elizabeth Street  
RFE 1S417  
Toronto, ON  
M5G 2C4

Attention: Executive Vice President, Clinical Support and Performance

With a copy addressed to: Vice President & Chief Legal Officer

- (b) in the case of notice to the Tenant at:

City of Toronto, Corporate Real Estate Management  
Metro Hall  
55 John Street, 2<sup>nd</sup> Floor  
Toronto, ON  
M5V 3C6

Attention: Director, Property Management and Lease Administration

With a copy addressed to: City Solicitor, Legal Services, City of Toronto

or at such other address within Southern Ontario as the party to whom such notice or other communication is to be given shall have advised the party giving same in the manner provided in this Section 16.8. Any notice or other communication delivered personally or by prepaid courier service shall be deemed to have been given and received on the day it is so delivered at such address, provided that if such day is not a Business Day such notice or other communication shall be deemed to have been given and received on the next following Business Day.



## **16.9 Registration**

Neither party shall register this Ground Lease or permit anyone acting on their behalf to register it. A short form or notice of this Ground Lease in form approved by the Landlord and the Tenant, both acting reasonably, may be registered by the Tenant at the relevant Land Registry Office at the expense of the party requesting such registration. The Landlord and Tenant shall execute a short form of this Ground Lease together with the execution of this Ground Lease which the Tenant may register on title. All parties shall cooperate and execute any and all notices or other assurances as may be necessary or convenient in connection with such registration. The Tenant shall pay all costs, taxes (including but not limited to land transfer tax, if applicable) and other expenses in connection with or prerequisite to such registration.

## **16.10 Ground Lease Entire Agreement**

This Ground Lease, including the Schedules attached to this Ground Lease constitute the entire agreement between the parties pertaining to the subject matter of this Ground Lease and supersedes all prior agreements, understandings, negotiations and discussions, whether oral or written, of the parties. There are no representations, warranties or other agreements, whether oral or written, between the parties in connection with the subject matter of this Ground Lease except as specifically set out in this Ground Lease.

## **16.11 References to Statutes**

Any reference to a statute in this Ground Lease includes a reference to all regulations made pursuant to such statute, all amendments made to such statute and regulations enforced from time to time and to any statute or regulation which may be passed and which, has the effect of supplementing or superseding such statute or regulations, and any reference to a Section or other subdivision of a statute includes a reference to all Sections or other subdivisions of the statute (or such other statute or regulation which may be passed and which has the effect of supplementing or superseding the statute) which have the effect of supplementing or superseding such Section or other subdivision.

## **16.12 Time of the Essence**

Time shall be of the essence of this Ground Lease and no extension or variation of this Ground Lease shall operate as a waiver of this provision.

## **16.13 Calculation of Time**

When calculating the period of time within which or following which any act is to be done or step taken pursuant to this Ground Lease, the date which is the reference date in calculating such period shall be excluded. If the last day of such period is not a Business Day, the period in question shall end on the next following Business Day.

## **16.14 Gender and Number**

In this Ground Lease, words importing the singular include the plural and vice versa, and words importing gender include all genders.

## **16.15 Headings**

The division of this Ground Lease into articles and Sections and the insertion of headings is for convenience of reference only and shall not affect the construction or interpretation of this Ground Lease or any part of it.

## **16.16 Reference to Articles**

Any reference to an Article, Section or Schedule in this Ground Lease shall be deemed a reference to the applicable Article, Section or Schedule contained in this Ground Lease and to no other agreement or document unless specific reference is made to such other agreement or document.

#### 16.17 Applicable Law

This Ground Lease shall be construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable in the Province of Ontario and shall be treated in all respects as an Ontario contract. Each of the parties irrevocably attorns to the jurisdiction of the courts of the Province of Ontario.

#### 16.18 Currency

Unless otherwise indicated, all dollar amounts referred to in this Ground Lease are in lawful Canadian funds.

#### 16.19 Force Majeure

Any delays in or failure of performance on the part of the Tenant or the Landlord, other than payment of money, shall not constitute default hereunder if and to the extent that such delays or failure of performance are caused by an event or events of Force Majeure and the period of time for performance of such obligation shall be extended by the period of such delay.

#### 16.20 Successors and Assigns

This Ground Lease shall enure to the benefit of and be binding upon the Landlord and its successors and assigns and upon the Tenant and its successors and permitted assigns under this Ground Lease.

#### 16.21 Tenant as Municipal Corporation

All rights and benefits and all obligations of the Tenant under this Ground Lease shall be rights, benefits and obligations of the Tenant in its capacity as a party to this Ground Lease. Nothing in this Ground Lease derogates from, interferes with, or fetters the exercise by the Tenant of all of its rights and obligations as a municipality (whether discretionary or mandatory), or imposes any obligations on the Tenant in its role as a municipality, and the Tenant shall not be prevented from or prejudiced in carrying out its statutory rights and responsibilities, including its planning rights and responsibilities. Nothing in this Ground Lease derogates from, interferes with, or fetters the exercise by the Tenant's officers, employees, agents, representatives or elected and appointed officials of all of their rights, or imposes any obligations on the Tenant's officers, employees, agents, representatives or elected and appointed officials, other than as expressly set out in this Ground Lease.

#### 16.22 Confidentiality

- (a) The Parties may disclose Confidential Information to one another. “**Confidential Information**” means: (i) all information concerning the Leased Lands, this Ground Lease or the negotiations relating to this Ground Lease, whether such information was disclosed or obtained by the Tenant, the Tenant's Employees, the Landlord or the Landlord's Employees; (ii) any information in a tangible form which is clearly marked as being confidential; and (iii) any information in an intangible form, which is identified as being confidential at the time of disclosure and confirmed as Confidential Information in writing within thirty (30) days of its initial disclosure. Each party to this Ground Lease who receives any Confidential Information (in such capacity, the “**Receiving Party**”) from the other party (in such capacity, the “**Disclosing Party**”) agrees to safeguard Confidential Information and to keep it in confidence and to use at least the same degree of care that is used in the protection of its own confidential information, which shall, in no event, be less than a reasonable standard of care. The Receiving Party shall limit dissemination of Disclosing Party's Confidential Information to those of its directors, officers, employees, representatives and/or agents (collectively, “**Representatives**”) who have a need to know in connection with the subject matter of this Ground Lease, and who have been notified of the confidential nature of Confidential Information under provisions at least as restrictive as those contained in this Ground Lease. Receiving Party shall be fully responsible for a breach of the confidentiality obligations hereof by such Representatives. Receiving Party agrees to use such Confidential Information only in connection with the subject matter of this Ground Lease. Subject always to Section 16.22(b), upon the request of one party (the “**Disclosing Party**”) to this Ground Lease to the other party (the “**Receiving Party**”) that any Confidential Information be returned, the

Received Party shall return to the Disclosing Party or, with the consent of Disclosing Party destroy, all Confidential Information, together with all copies and/or reproductions thereof. This Section shall survive and not merge on the termination or expiry of this Ground Lease.

- (b) Notwithstanding 16.22(a) herein, the Landlord and Tenant acknowledge and agree that this Lease and any future definitive agreements or documentation exchanged between them are subject to: (i) the *Municipal Freedom of Information and Protection of Privacy Act*, R.S.O. c. M.56 (“**MFIPPA**”) which governs, among other matters, records of the Tenant which may or must be disclosed upon request by any person, and that all information, documents and correspondence provided by the Landlord to the Tenant in connection with this Ground Lease and the transactions contemplated hereby will become the property of the Tenant, subject to the provisions of MFIPPA and any other obligations of the Landlord under applicable Law to disclose information in its possession or control; and (ii) the Tenant’s Records Retention By-law and any successor records retention by-law the Tenant may enact (collectively, the “Records Retention By-law”); and (iii) the *Freedom of Information and Protection of Privacy Act*, R.S.O. c. F.31 (“**FIPPA**”) which governs, among other matters, access to provide the public with a right of access to information and to protect the privacy of individual’s personal information. In the event that, pursuant to MFIPPA and/or FIPPA, the Tenant and/or the Landlord (or the Information Privacy Officer or any subsequent review or appellate body) determines that any Confidential Information must be disclosed, the provisions of Section 16.22(a) herein shall not apply in respect of such Confidential Information. In addition, in the event of a request from a Disclosing Party to the Tenant to return or destroy Confidential Information, including copies or reproductions thereof, the provisions of the Records Retention By-law shall apply and such Confidential Information shall only be returned or destroyed in accordance with the Records Retention By-law. This Section shall survive and not merge on the termination or expiry of this Ground Lease.


### 16.23 Counterparts

This Ground Lease may be executed in counterparts, each of which shall be deemed an original and which, taken together, shall constitute one and the same instrument. Each counterpart of this Ground Lease and any other document to be delivered by one or more Parties may be executed by electronic signature through a City-Approved Electronic Signature Platform (as defined below), or by handwritten signature delivered to the other Party or Parties by electronic transmission in PDF format. Any such electronic signature or handwritten signature delivered by electronic transmission shall be valid, binding and enforceable upon the Party or Parties so executing and/or delivering same electronically to the same extent and shall have the same legal effect as an original signature. If and when one or more Parties hereto executes this Ground Lease by or through a City-Approved Electronic Signature Platform, then such Party or parties shall, upon the request of another Party hereto, be obliged to forthwith provide the requesting Party with a certificate of completion or similar certificate produced or issued by such City-Approved Electronic Signature Platform, which confirms, verifies and/or validates the electronic signature of the Party or parties so executing same electronically. For the purposes of this section, “**City-Approved Electronic Signature Platform**” means DocuSign Inc.’s electronic signing platform or any other similar secure electronic application or platform acceptable to the City in its sole and absolute discretion and “electronic signature” and “electronic” shall have the meanings respectively ascribed to such terms in the *Electronic Commerce Act*, 2000, S.O. 2000, c. 17, as amended.

[Execution Page Follows]

IN WITNESS WHEREOF the parties have executed this Ground Lease.

**UNIVERSITY HEALTH NETWORK**

Per: 

Name: Kevin Smith

Title: President and CEO

Per: 

Name: Rebecca Repa

Title: EVP, Clinical Support & Performance

I/We have authority to bind the Hospital.

**APPROVED AS TO FORM**

\_\_\_\_\_  
Mark Zwegers  
For Wendy Walberg, City Solicitor  
File No. 2300-805-4476 2021

**CITY OF TORONTO**

Per: \_\_\_\_\_

Name: Patrick Matozzo

Title: Executive Director, Corporate Real  
Estate Management

Per: \_\_\_\_\_

Name:

Title:

I/We have authority to bind the City.

Authorized by Notice of Motion MM25.32,  
moved by Mayor John Tory and seconded  
by Councillor Ana Bailão as adopted by  
City of Toronto Council on October 27, 28  
and 30, 2020

IN WITNESS WHEREOF the parties have executed this Ground Lease.

**UNIVERSITY HEALTH NETWORK**

Per: \_\_\_\_\_

Name: Kevin Smith

Title: President and CEO

Per: \_\_\_\_\_

Name: Rebecca Repa

Title: EVP, Clinical Support & Performance

I/We have authority to bind the Hospital.

<p><b>APPROVED AS TO FORM</b></p> <p><small>DocuSigned by:</small></p> <p><i>Mark Zwegers</i></p> <p><small>B014676DF18B4F6...</small></p> <p>Mark Zwegers For Wendy Walberg, City Solicitor File No. 2300-805-4476 2021</p>
--

<p>Authorized by Notice of Motion MM25.32, moved by Mayor John Tory and seconded by Councillor Ana Bailão as adopted by City of Toronto Council on October 27, 28 and 30, 2020</p>
--

**CITY OF TORONTO**

DocuSigned by:  
*Patrick Matozzo*  
6BDA428A35E8434...

Per: \_\_\_\_\_

Name: Patrick Matozzo

Title: Executive Director, Corporate Real  
Estate Management

Per: \_\_\_\_\_

Name:

Title:

I/We have authority to bind the City.

**SCHEDULE "A"**  
**LEGAL DESCRIPTION OF LANDS**

**Lots 78-85, 87, 89, Plan 427 Parkdale; Lots 1-5, 7-8, Plan 1013 Toronto; Part Lot 6, Plan 1013 Toronto as in CT206048; Toronto, City of Toronto.**

**Being PIN 21341-0144(LT)**

**SCHEDULE "B"**  
**LEGAL DESCRIPTION OF LEASED LANDS**

*The Leased Lands are shown outlined on the site plan attached hereto as Schedule "B.1". A Reference Plan will be prepared based on and to reflect the said Leased Lands shown outlined in on the said site plan attached as Schedule "B.1". Such Reference Plan will be deposited on title to the Lands following the execution and delivery of the Lease and the legal description for this Schedule "B" will be amended to refer to the deposited Reference Plan and Schedule "B.1" will be revised to be a copy of the deposited Reference Plan.*





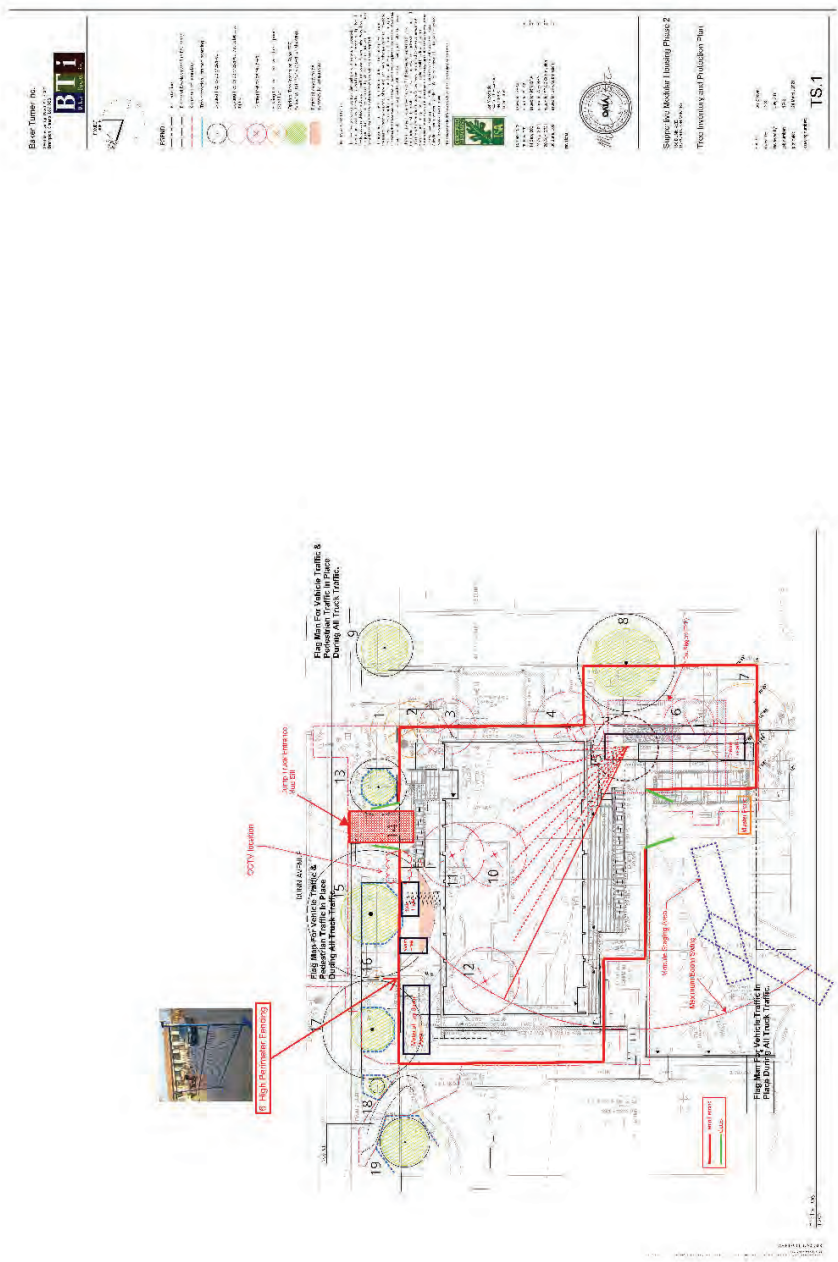
**SCHEDULE "C"**  
**PERMITTED ENCUMBRANCES**

1. Any inchoate statutory liens, charges or similar liabilities and/or rights which may exist from time to time (including, without limitation, any and all statutory rights of expropriation) and any undetermined or inchoate liens and charges incidental to construction or current operations, a claim for which shall not have been registered or of which notice in writing shall not have been given pursuant to the *Construction Act* (Ontario).
2. Any deficiencies, encroachments, zoning by-law violations and other matters that might be revealed by an up-to-date plan of survey of the Property.
3. The reservations, limitations, provisos and conditions, if any, expressed in the original grant from the Crown, in right of Canada or a Province thereof.
4. All applicable municipal, provincial or federal statutes, by-laws, regulations or ordinances (including, without limitation, all building and zoning by-laws and regulations) and any subdivision, site plan, development or other similar municipal agreements provided they do not materially and adversely affect the ordinary use or operation of the Property.
5. Any easements and/or agreements relating to drainage, storm or sanitary sewers, public utility lines, telephones lines, cable television lines or other services and all other services and all other easements, servitudes and rights of way which do not materially and adversely affect the present use of the Property.
6. The provisions, restrictions and limitations of the *Land Titles Act*, R.S.O. 1990, as amended, save and except 44(11).
7. Such other minor encumbrances or defects in title which do not, individually or in the aggregate, materially affect the use, enjoyment or value of the Property or any part thereof, or materially impair the value thereof.
8. Encumbrances respecting minor encroachments by the Property over neighbouring lands permitted under agreements with the owners of such other lands and minor encroachments over any of the Property by improvements of abutting land owners permitted under agreements with such abutting owners.
9. The specific encumbrances listed on Exhibit 1 attached hereto.

**EXHIBIT "1"**

1. Instrument No. CT74248 registered June 25, 1974 being an Assignment of Lease between Coinwash (Eastern) Limited and Coinwash (Prairies) Limited carrying on business under the firm name and style of COIN-A-MATIC OF ONTARIO, as Assignor and Coinwash (Eastern) Limited and Coinwash (Prairies) Limited carrying on business under the firm name and style of COIN-A-MATIC OF ONTARIO, as Assignee.

**SCHEDULE "D"**  
**CONSTRUCTION LAY DOWN AREAS**



**SCHEDULE "E"**  
**TENANT'S ENVIRONMENTAL REPORT**

CITY OF TORONTO

## ENVIRONMENTAL DUE DILIGENCE INVESTIGATIONS

150 DUNN AVENUE, TORONTO

MARCH 28, 2021



wsp



# ENVIRONMENTAL DUE DILIGENCE INVESTIGATIONS

150 DUNN AVENUE,  
TORONTO

CITY OF TORONTO

FINAL

PROJECT NO. 17M-01905-S1  
DATE: MARCH 26, 2021

WSP  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON  
CANADA L3T 0A1

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WSP.COM

WSP Canada Inc.





March 26, 2021

CITY OF TORONTO  
Project Management Office  
Corporate Real Estate Management  
55 John Street, Metro Hall, Second Floor  
Toronto, ON M5V 3C6

**Attention: Janice Green, Senior Environmental Project Manager**

Dear Ms. Green,

**Subject: Environmental Due Diligence Investigations – 150 Dunn Avenue in Toronto,  
Ontario**

WSP is pleased to submit this report for the Environmental Due Diligence Investigation completed for the property located at 150 Dunn Avenue in Toronto, Ontario.

If you have any questions or comments about the report, please contact the undersigned.

Yours sincerely,

Jordan Francoeur, B.Sc. (Hons)  
Environmental Consultant

Allison Read, P.Geo., QP<sub>ESA</sub>  
Project Manager

WSPref 17M-01905-01

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## SIGNATURES



Jordan Francoeur, B.Sc. (Hons)  
Environmental Consultant

March 26, 2021

Date

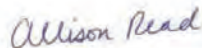


Michael Hu, P.Eng., M.Eng.  
Geotechnical Engineer

March 26, 2021

Date

REVIEWED BY:



Allison Read, P.Geo., QP<sub>ESA</sub>  
Project Manager

March 26, 2021

Date



Selim Lutfur, P.Eng.  
Senior Geotechnical Engineer

March 26, 2021

Date

## EXECUTIVE SUMMARY

WSP Canada (WSP) was retained by the City of Toronto (the "City") to conduct a due diligence investigation at 150 Dunn Avenue in Toronto, Ontario (the "Site"). The investigation included a historical records review, site reconnaissance, environmental subsurface investigation, and preliminary geotechnical assessment. We understand that this investigation is required to support a preliminary evaluation of the property for the City's modular housing initiative and the proposed modular housing structure will consist of a 4-storey building without basement.

The preliminary records review and site reconnaissance was completed to assist in the identification of potential or actual sources of contamination at the Site, and to confirm the historical land use at the Site. Preliminary subsurface environmental and geotechnical investigations were completed to investigate soil and groundwater quality at the Site and to assess the geotechnical suitability for the proposed construction.

The Site is currently comprised of a gated paved parking lot with maintained grass located to the east and west of the paved area. The Site was formerly occupied by various residential dwellings along Dunn Avenue and Close Avenue. Based on the aerial imagery available for the Site, the houses were demolished between 1978 and 1992. It is possible that fill material was imported to the Site as backfill during the demolition, and the quality of the potential fill material is unknown. This represents a potential environmental concern at the Site.

The surrounding land uses consist of institutional, residential and community properties. The EW Bickle Centre for Complex Continuing Care (a rehabilitation center), is located adjacent to the north of the Site. The ERIS report identified two double-walled steel underground fuel storage tanks (USTs) located on the property which may have impacted the environmental quality at the Site. Evidence of the USTs was not observed at the time of the Site reconnaissance. Roadways are located adjacent to the Site at the east, and west property boundaries. Additionally, the Site mainly consists of a paved parking lot. It is assumed that road salt is routinely applied to these roadways and parking lot during winter for de-icing purposes, and the application of road salt on and adjacent to the Site may have impacted the environmental quality at the Site.

A total of five boreholes were advanced across the Site as part of the subsurface investigation. A layer of poor quality fill material was observed across the Site below the asphalt to approximately 1.4 m below ground surface (mbgs). The fill material was underlain by a native Silty Clay to Silty Clay Till to termination depth of the boreholes. Soil samples were collected from each of the boreholes and submitted to an accredited laboratory for analysis of metals and inorganics (M&I), polycyclic aromatic hydrocarbons (PAHs), petroleum hydrocarbons (PHCs), and volatile organic compounds (VOCs).

A monitoring well was installed at one location (DU-BH20-4). Groundwater was measured in the well at a depth of 5.2 mbgs. Groundwater samples were collected from the well and submitted to an accredited laboratory for analysis of M&I, PAHs, PHCs, and VOCs.

For comparison purposes, the soil and groundwater samples were compared to the Table 1 Background Site Condition Standards (SCS) due to the presence of elevated pH in the surficial soil and also the Table 3 SCS for a residential/parkland/institutional RPT land use. The results of the soil and groundwater sampling identified the following:

### Soil Quality Results:

- Poor quality fill material was identified across the site from surface to approximately 0.6 to 1.4 mbgs. The surficial fill materials had elevated concentrations of salt related parameters (electrical conductivity (EC) and sodium absorption ratio (SAR)), pH and PAHs when compared to the Table 1 SCS and the Table 3 SCS for residential, parkland, and institutional land use.
- The underlying native fill material had elevated salt related parameters at multiple locations and slightly elevated PHC F2 exceedances at two locations (DU-BH20-1 and DU-BH20-3) when compared to the Table 1 SCS. All submitted samples from the native till met the Table 3 SCS for M&I, PAH, PHC, VOC and PCBs.

#### Groundwater Quality Results:

- When compared to the Table 1 SCS, groundwater quality had elevated concentrations of salt related parameters and a slight exceedance of phenanthrene. The results also indicated that the detection limit exceeded the Table 1 SCS at DU-BH20-4 for beryllium, silver, and vanadium. As there were no other exceedances of metals in groundwater, and there was no evidence of metals contamination in the soil samples, the elevated detection limits for these three parameters are not considered to be a concern at the Site.
- Groundwater quality identified elevated concentrations of chloride when compared to the Table 3 SCS. The groundwater sample met the Table 3 SCS for all other parameters analysed.

Based on the results of the investigation, the following preliminary considerations are provided:

- Based on the current and former land use of the Site, the development of the property with modular housing would not constitute a change to a more stringent land use and would therefore not trigger the requirement for a Record of Site Condition (RSC) at the Site.
- Elevated concentrations of salt-related parameters were identified in soil and groundwater at the Site. These exceedances are attributed to the use of road salt for pedestrian and vehicular safety on the adjacent roadways. Under O. Reg. 153/04, soil impacts related to application of road salt for de-icing purposes are exempted from consideration as a contaminant for any soil that is to remain or be reused at the Site. Excess soil removed from the Site should be managed as salt-impacted during construction. Further evaluation of groundwater quality should be carried out during detailed design to determine appropriate discharge options in the event that groundwater management is required during construction.
- Based on the results of the soil quality analyses, the concentrations of various PAH parameters and pH exceeded the Table 1 and Table 3 SCS within the fill material identified at multiple borehole locations. The poor quality fill material will require remediation (through bulk excavation or risk assessment) prior to redevelopment for modular housing.
- Excess soil generated during future construction activities should be managed in accordance with Ontario Regulation 406/19. Depending on site specific conditions (e.g. soil quantities, timing for construction) additional soil sampling, reporting and soil tracking may be required prior to or during construction. Excess soil management should be supervised by a QPesa.
- The existing fill materials are considered to be unsuitable for supporting the proposed modular homes. Depending upon the final grading of the site and designs, after removal of asphalt and unsuitable fill material, some of the areas need to be brought up to the underside of the footings, if required, using engineered fill. The materials proposed for use as engineered fill should be approved by qualified geotechnical personnel at the source, prior to hauling to the site. Some of the existing fill materials would be unsuitable for reuse as engineered fill due to the poor gradation and/or organic and foreign materials inclusions. Details regarding placement and compaction requirements for engineered fill, if utilized at the site, can be provided once the actual development plans are available, as part of the final geotechnical recommendations for the project.
- The very stiff to hard native silty clay till and compact to very dense native sand found at the site are considered to be suitable for supporting the proposed modular homes. A preliminary allowable bearing pressure of 150 kPa at SLS (Serviceability Limit State) may be assumed for conventional shallow spread and/or strip footings bearing in the very stiff to hard and compact to very dense undisturbed native subsoils, at depths approximately ranging from 0.7 to 1.4 mbgs. Footings founded on approved engineered fill, if utilized at the site, may be designed using a preliminary allowable bearing pressure of 150 kPa at SLS.
- All exterior footings and footings in unheated areas should be protected with a minimum of 1.2 m of earth cover for frost protection.
- The type of foundation drainage system required (perimeter drains and/or under slab drains) depends upon the proposed founding elevations, soil types in the area and actual stabilized groundwater levels. In any event, the type of foundation drainage should be confirmed by the geotechnical engineer once the site grading plans are available.

- Based on the results of this preliminary investigation, groundwater control during excavations within the native silty clay till, silty clay and sand can be handled by pumping from properly constructed filtered sumps. The need for and type of groundwater control measures can then be reviewed by the geotechnical engineer during the detailed design stage.

The preliminary geotechnical recommendation provided in this report are not sufficient for final design or construction purposes. Once the actual designs are available, the information in this report should be reviewed by the geotechnical engineer and an additional investigation be carried out, compatible with the actual proposed development plans for the Site.





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A-1	Fire Insurance Plans
A-2	City Directories
A-3	ERIS Report
A-4	TSSA Response
B	AERIAL PHOTOGRAPHS



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- E GEOTECHNICAL SOIL TEST RESULTS
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- G PRELIMINARY GEOTECHNICAL CONSIDERATIONS

ENVIRONMENTAL DUE DILIGENCE INVESTIGATIONS  
Report No. 124-01905-01  
CITY OF TORONTO

WSP  
HAMPTON  
P0000

# 1 INTRODUCTION

---

## 1.1 BACKGROUND

WSP Canada (WSP) was retained by the City of Toronto (the "City") to conduct a due diligence investigation at the south portion of 150 Dunn Avenue, in Toronto, Ontario (the "Site"). The investigation included a historical records review, site reconnaissance, environmental subsurface investigation, and preliminary geotechnical assessment. We understand that this investigation is required to support a preliminary evaluation of the property for the City's modular housing initiative and the proposed modular housing structure will consist of a 3-storey building without basement.

The preliminary records review and site reconnaissance was completed to assist in the identification of potential or actual sources of contamination at the Site, and to confirm the historical land use at the Site. Preliminary subsurface environmental and geotechnical investigations were completed to investigate soil and groundwater quality at the Site and to assess the geotechnical suitability for the proposed construction.

---

## 1.2 SITE OVERVIEW

The Site consists of a paved parking lot with maintained grass areas located to the east and west of the parking area. The Site occupies an area of approximately 3,000 square metres (0.3 ha). A construction trailer was observed on the southeast corner of the property during the investigation. There are no other buildings or structures located onsite. The NAD 83 Zone 17 UTM coordinates for the centroid of the Site are 626426 E and 4832471 N. The Site is located within a predominantly residential neighbourhood and is bounded to the north by EW Bickle Centre for Complex Continuing Care (a rehabilitation center), to the east by Dunn Avenue, to the south by residential dwellings, and to the west by Close Avenue.

## 2 HISTORICAL RECORDS REVIEW AND SITE RECONNAISSANCE

The records review provides information regarding the physical setting, history of development, and land use in connection with the Site and adjacent properties. The objective of the records review was to identify actual and potential sources of environmental liabilities associated with the Site, and the potential for environmental liabilities to impact soil and/or groundwater at the Site. The following information sources were reviewed as part of this records review:

- Fire insurance plans for the Site were requested through Environmental Risk Information Services (ERIS);
- An ERIS standard report was obtained for the Site and lands within a 250 m radius of the Site;
- A summary of city directories for the Site, and properties within a 250 m radius was requested from LGI Copy Services Canada Ltd.;
- Information and records were requested from the TSSA; and
- Aerial photographs for the Phase One Property and surrounding Study Area were obtained from online archives.

### 2.1 FIRE INSURANCE PLANS

Fire Insurance Plans (FIPs) were reviewed from the City of Toronto FIP inventory for 1884, 1890, 1894, 1899, 1903, 1913 and 1924. Based on a review of the 1884 FIP, the Site was shown as three separate properties (15 Close Avenue, 84 & 86 Dunn Avenue and 88 Dunn Avenue) and was vacant. Residential land use is shown to the north and west of the Site, as well as a "Home for Incurables" to the north of the Site. A Grand Trunk Railway Line is observed to the south of the Site, within the 250 m Study Area.

A review of the 1890 to 1903 FIPs, shows the Site to be developed with residential dwellings located at 84 & 86 Dunn Avenue and 88 Dunn Avenue. Additional residential land use is shown to be developed to the north, south, east and west of the Site. Based on the 1913 and 1924 FIP, a residential dwelling was observed on 17 Close Avenue. Additional residential land use has been observed to be developed surrounding the Site.

A copy of the FIPs is included in the Appendix A-1.

### 2.2 CITY DIRECTORIES

A search of available city directories was conducted by LGI Copy Services Canada for the Site and properties within 250 m of the Site from 1890 to 2000. The complete listing of city directories is included in Appendix A-2. It should be noted that due to the closure of the Government of Canada's Library and Archives as a result of the COVID-19 pandemic, the city directory search was incomplete for certain years and addresses. A summary of the pertinent records identified by the search is provided below:

- A portion of the Site (84 to 88 Dunn Avenue) is first listed in 1890 as residential land use. The remainder of the Site (17 Close Avenue) is first listed in 1904 with residential land use. From 1940 to 2000 Dunn Avenue and Close Avenue are listed as primarily residential and the Site addresses are not individually listed in the city directories.
- Properties located to the east, south and west consist of predominantly residential land use from 1905 until 2000.
- Various medical buildings are listed to the north of the Site from approximately 1890 until 2000.
- Listings of note to the north of the Site include various dry cleaning businesses and gasoline service stations that are located over 250 m from the Site. As these properties are located over 250 m from the site, these activities are not anticipated to result in environmental impacts at the Site.



## 2.3 ERIIS DATABASE REPORT

The ERIIS report provides information from federal, provincial, and private source databases relating to a defined search area. Each database is divided into records that present information such as company names, addresses, descriptions, status, and other pertinent information. Records that fall within a defined 250 m radius of the search area are extracted from the database for reviewed.

The complete ERIIS report is included in Appendix A-3. A summary of the pertinent records identified in the search is provided below.

The search of the ERIIS databases identified one record on the Site, for a historical ERIIS search, and 149 records for properties located within 250 m of the Site. Notable records include:

- Records for two 45,400 L underground fuel storage tank located at 130 Dunn Avenue. The tanks are double-walled, constructed of steel, and was installed in 1995. As the tanks are located adjacent to the north of the Site, at an inferred upgradient location, the presence of this tank is anticipated to be an environmental concern to the Site.
- Forty-seven records from the O. Reg. 347 Waste Generators Summary, including:
  - Twenty-four records for a health facility, located at 130 Dunn Avenue, adjacent to the north of the Site. The health facility is registered from 1986 to present, for the generation of inorganic laboratory chemicals, organic laboratory chemicals, pathological wastes, pharmaceuticals, acid wastes – heavy metals, PCB's, oil skimming's and sludges, alkaline wastes – heavy metals, waste oils and lubricants, and waste crankcase oils and lubricants. Based on the nature of the operation, environmental impacts to the Site from this operation are not anticipated.
  - One records for the Keewatin Property Management Corp., located at 22 Close Avenue, adjacent to the west of the Site. The company is registered from 1986 to 1994. Based on the nature of the operation, environmental impacts to the Site from this operation are not anticipated.
- Three records from the Scott's Manufacturing Directory, pertaining to three properties located within 250 m of the Site. The records were pertaining to a flooring contractor, a dress manufacturer and an industrial supplier. The records are located cross-gradient of the Site. Due to the distance and the location of these operations in relation to the Site, none of these operations are anticipated to have impacted the environmental quality at the Site.
- Seven records for spills occurring within 250 m and four listings with in 500 m of the Site, including:
  - Five records for release of natural gas (methane) to air. These releases are not anticipated to impact soil or groundwater at the Site.
  - A spill of 0.5 L of diesel fuel from a leak occurred at 130 Dunn Avenue in 1995. Based on the small quantity of diesel fuel reported to be spilled, environmental impacts to the Site are not anticipated based on this incident.
  - A spill of 100 L of diesel fuel occurred 110 m to the west of the Site at 87 Jameson Avenue in 2001. Based on the distance and location from the Site, environmental impacts to the Site are not anticipated based on this incident.
  - A spill of an unknown quantity of driveway sealer to a catch basin occurred 195 m to the west of the Site at 109 Jameson Avenue in 2014. Based on the distance from the Site, environmental impacts to the Site are not anticipated based on this incident.
  - A spill of 45 L of non-PCB transformer oil to the ground located 250 m to the north of the Site occurred in 1995. Based on the distance from the Site, environmental impacts to the Site are not anticipated based on this incident.
- Fourteen records from the Anderson's Storage Tanks database, pertaining to three properties located within 250 m. The records were predominantly for fuel oil tanks crossgradient of the Site. Due to the distance and the location of these tanks in relation to the Site, none of the tanks are anticipated to have impacted the environmental quality at the Site.

## 2.4 TSSA REQUEST

A search request was made to the Technical Standards and Safety Authority (TSSA) for any records relating to fuel storage tanks at the Site. No records for fuel storage tanks were identified. A copy of the TSSA request is provided in Appendix A-4.

## 2.5 AERIAL PHOTOGRAPHS

Aerial photographs for the years 1939, 1956, 1965 and 1978 were obtained from the City of Toronto's online archives. The City of Toronto online mapping tool was utilized to obtain aerial photographs and satellite images from 2005, 2012, and 2018. A summary of observations from the reviewed aerial photography is provided in Table 1. Copies of the aerial photographs are provided in Appendix B.

Table 1: Aerial Photograph Interpretation

YEAR	SITE OBSERVATIONS	OBSERVATIONS OF SURROUNDING LANDS
1939	The Site appears to consist of residential land use. Individual buildings are not distinguishable due to the resolution of the air photo.	Surrounding lands primarily consist of residential land use. A medical building is observed to the north of the Site and a rail corridor is located to the south of the Site. Dunn Avenue is present to the east and Close Avenue is located to the west adjacent to the Site.
1956	The Site consists of residential land use. Three residential dwellings are visible and cover the majority of the Site.	Similar to previous photo. Two residential apartment buildings have been constructed to the north of the Site.
1965	Similar to previous photo.	Similar to previous photo. Residential apartment buildings have been constructed to the west of the Site. The Gardiner Expressway and Lakeshore Boulevard West have been constructed to the south of the Site, south of the railway tracks.
1978	The residential dwelling located on the western portion of the site have been demolished. Two residential dwellings remain on the east portion of the Site.	Similar to previous photo. The residential apartment to the north of the Site had been demolished and the current medical building has been constructed to the north adjacent to the Site. Additional residential apartment buildings have been constructed to the west of the Site.
1992	The residential buildings have been demolished and the Site is vacant.	Similar to previous photo.
2005	A parking lot is located on the entirety of the Site. The Site appears similar to the current configuration.	Similar to previous photo.
2012	Similar to previous photo.	Similar to previous photo.
2018	Similar to previous photo. Various construction trailers and sea-containers are observed on the southeast corner of the property.	Similar to previous photo.



Based on the reviewed aerial imagery, the Site was developed for residential use between 1939 and 1978. The residential buildings onsite were demolished between 1978 and 1992, and the current Site configuration was constructed between 1992 and 2005. Fill material may have been imported as backfill during the demolition of the buildings. The quality of potential fill material used onsite is unknown.

## 2.6 TOPOGRAPHY, HYDROLOGY, GEOLOGY

### **Topography**

Topographic mapping available through the Natural Resources of Canada Website (<http://atlas.nrcan.gc.ca>) was reviewed. Topographic map sheet 30M14 of the National Topographic Database was accessed to review topographic features in the general vicinity of the Site.

The Site is situated approximately 90 m above sea level (masl) and is located in an area of institutional, residential and community land use. The principal direction of regional and local groundwater flow is inferred to be south towards Lake Ontario, located approximately 375 m south of the Site. It should be noted that local groundwater flow may also be influenced by underground utilities (i.e. service trenches) and building structures. For example, the gravel pack used around underground utilities can act as interceptors and redirect groundwater flow along the direction of the pipe.

### **Surficial Geology**

Typical deposits within the Phase I Study Area consist of sandy silt to silt textured till (Barnett, P.J., Cowan, W.R., Henry, A.P., 1991).

### **Bedrock Geology**

Bedrock within the Phase I Study Area consists of interbedded grey-green to dark grey shale with limestone and fossiliferous calcareous siltstone to bioclastic limestone of the Georgian Bay Formation (Ontario Geological Survey, 1991).

## 2.7 SITE RECONNAISSANCE

On February 22, 2021, WSP visited the Site and conducted the site reconnaissance. The Site was assessed in a systematic manner by walking around the site and recording visual and olfactory observations. The weather at the time of the site reconnaissance was cloudy and the temperature was approximately 0°C. Photographs were taken from the Subject Property and publicly accessible lands to document current site conditions. The photographs, along with their descriptions and compass orientation, are included in Appendix C.

The Site is currently a gated parking lot, that is used to access the loading dock area for the building adjacent to the north of the Site (EW Bickle Centre). A construction trailer was observed on the southeast corner of the property. No other buildings or structures were observed onsite. The Site is generally flat, with a sloped area to the loading dock to the north of the Site. The majority of the Site is a paved parking lot with an area of maintained grass on the eastern and western portions of the property. No items of potential environmental concern were identified onsite during the site reconnaissance.

Adjacent properties were viewed from the Site and publicly accessible boundaries to assess the potential for uses to adversely affect the Site. The Site is bounded by EW Bickle Centre for Complex Continuing Care to the north, Dunn Avenue to the east, and Close Avenue to the west. The south adjacent properties are residential dwellings. Properties within a 250-m radius of the Site generally consisted of residential, institutional and commercial land use.

## 2.8 SUMMARY OF HISTORICAL RECORDS REVIEW AND SITE RECONNAISSANCE

The Site is currently comprised of a parking lot with maintained grass located to the east and west of the parking area. The Site was developed for residential land use between 1890 and 1904 and was occupied by various residential dwellings. The residential dwellings were demolished between 1978 and 1992. Based on the current and former land use of the Site, the development of the property with modular housing would not constitute a change to a more stringent land use and would therefore not trigger the requirement for a Record of Site Condition (RSC) at the Site.

Based on the aerial imagery available for the Site, the houses were demolished between 1978 and 1992. It is possible that fill material was imported to the Site as backfill during the demolition, and the quality of the potential fill material is unknown. This represents a potential environmental concern at the Site.

The EW Bickle Centre for Complex Continuing Care (a rehabilitation center), is located adjacent to the north of the Site. The ERIS report identified two doubled-walled steel USTs are located on the property and may have impacted the environmental quality at the Site. Evidence of the USTs was not observed at the time of the Site reconnaissance. Roadways are located adjacent to the Site at the north, east, and south property boundaries. It is assumed that road salt is routinely applied to these roadways during winter for de-icing purposes, and that the application of road salt on adjacent lands may have resulted in impacts to soil and groundwater quality at the Site.

The surrounding land uses consist of institutional, residential and community properties. Records were identified within the ERIS report which identify potentially contaminating activities within 250 m of the Site, however these records were generally located cross-gradient or down-gradient to the Site, and over 100 m from the Site. As a result, none of these operations are anticipated to have impacted the environmental quality at the Site.

## 3 ENVIRONMENTAL AND GEOTECHNICAL SUBSURFACE INVESTIGATION

### 3.1 WORK PROGRAM

A preliminary subsurface investigation was conducted at the Site to investigate soil and groundwater quality at the Site. The information obtained was also used to complete a preliminary assessment of the geotechnical suitability of the Site for construction.

#### 3.1.1 DRILLING PROGRAM

WSP retained a Ministry of the Environment, Conservation and Parks (MECP)-licensed driller (Pontil Drilling) to conduct the drilling activities onsite under the observation of WSP field staff on February 20, 2021. The boreholes were drilled using a CME 55 track-mounted drill rig equipped with split spoon samplers. Soil samples were retrieved at regular or select intervals with a 50 mm O.D. split-barrel sampler driven with a hammer weighing 624 N and dropping 760 mm in accordance with the Standard Penetration Test (SPT) method. A total of five boreholes were drilled across the Site (DU-BH20-1 to DU-BH20-5), to a maximum depth of 6.7 m below ground surface (mbgs).

Boreholes DU-BH20-1, DU-BH20-3 and DU-BH20-5 had groundwater levels measured ranging from approximately 4.7 mbgs to 5.1 mbgs upon completion of drilling while borehole DU-BH20-2 was dry upon completion of drilling. All boreholes remained open and stable upon completion of drilling and removal of auger sampling equipment. One monitoring well was installed in DU-BH20-4 for further monitoring of groundwater level as well as in support of the ESA study. The groundwater monitoring well was installed with a screen length of 3.05 m, with screened intervals ranging from 3.1 mbgs to 6.7 mbgs. The well was screened at depth to intercept the groundwater table. The borehole locations are presented on Figure 2.

Ground surface elevations and coordinates at borehole locations were estimated from Google Earth, thus should be considered to be approximate. Contractors performing any work referenced to the borehole elevations should confirm the borehole elevations for their work.

#### 3.1.2 SOIL SAMPLING PROCEDURES

Soil samples were collected and handled in accordance with generally accepted sampling and handling procedures used by the environmental consulting industry, WSP's Standard Operating Procedures (SOPs), and in accordance with Ontario Regulation (O. Reg.) 153/04 and the guidelines provided by the MECP's Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario.

Soil samples were collected using a split spoon sampler, to a maximum depth of 6.7 mbgs. Prior to sampling, reusable equipment was washed with Alconox detergent and distilled water to prevent potential cross-contamination of the recovered samples.

The geological conditions at the Site were observed in the soil samples and recorded to a field log by a WSP technician. Soil samples were collected with dedicated nitrile gloves to prevent cross-contamination between sample depths, and were split into two portions: one placed into labeled polyethylene bags for field screening and another jarred into appropriate laboratory-supplied sample containers and stored in a cooler with ice for laboratory analysis. Soil samples were screened using an RKT Eagle 2, which measures total organic vapours and combustible gases. In



addition to the visual examination in the laboratory, all soil samples were tested for water contents. Three (3) selected soil sample was subjected to grain size analyses and two (2) for Atterberg Limits testing. Results are shown on the borehole logs in Appendix D, and the gradation curves for these tests are presented in Appendix E.

Soil samples considered to be representative of "worst-case" environmental conditions were selected for chemical analysis based on visual and olfactory observations made in the field, and field screening measurements. Selected samples were sent to ALS Environmental laboratory for analysis of selected parameters.

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### 3.1.3 GROUNDWATER SAMPLING PROCEDURES

Monitoring well development was carried out on February 20<sup>th</sup>, 2021, to remove particulates and fluids that may have collected in the sand pack during drilling activities. The monitoring wells were developed by purging three well casing volumes of groundwater (or until dry) using Waterra tubing and an inertial lift system prior to sampling.

Groundwater sampling was conducted on February 22<sup>nd</sup>, 2021 using a low-flow peristaltic pump. The groundwater samples were conveyed directly into laboratory-supplied sample containers. Samples analysed for metals were filtered in the field. Groundwater samples were placed in a cooler with ice prior to submission to the laboratory.

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### 3.1.4 QUALITY ASSURANCE AND QUALITY CONTROL

Quality assurance and quality control of the soil samples was monitored and maintained in the following ways:

- The field investigation was completed under operation of WSP standard operating procedures for soil sampling;
- Samples were given unique identifications as they were collected, typically identifying the project number, date, sample location and depth. The sample numbers were recorded in field notes for each location;
- All non-dedicated sampling and monitoring equipment (e.g., hand trowel) was cleaned following each use;
- A chain of custody documented sample movement from collection to receipt at the laboratory and provided sample identification, requested analysis and conditions of samples upon arrival at the laboratory (e.g. temperature, container status, etc.);
- Soil samples were randomly selected by the WSP for duplicate testing; and
- Samples were randomly selected by the laboratory for Quality Assurance checks. Generally, one sample for every ten samples submitted is checked. For each parameter, there is an acceptable upper and lower limit, the sample must be re-analysed or the data must be qualified.

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## 3.2 DATA REVIEW AND EVALUATION

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### 3.2.1 REGULATORY CRITERIA

WSP chose the applicable generic soil and groundwater standards based on the following information available for the Site:

- The Site would not be classified as a Shallow Soil Property under Section 43.1 of Ontario Regulation (O. Reg.) 153/04;
- No water bodies were identified within 30 m of the Site;
- Elevated pH concentrations were measured in surficial soil (from below asphalt to 0.6 mbgs) at all five borehole locations. Due to the elevated pH values, the Site was classified as environmentally sensitive;
- The Site and surrounding area are serviced by a municipal water supply;
- The current land use for the Site is a parking lot.

- Field observations and sieve tests indicate that less than one third of the soil at the Site is consistent with the definition of "fine textured soils" in O. Reg. 153/04; and
- Stratified site conditions were not used for evaluating laboratory results.

Based on the above site-specific details, soil and groundwater quality at the Site was compared to the Table 1 Background Site Condition Standards for residential, parkland, institutional, industrial, commercial, and community (RPIICC) land use, as documented in the MECP document *Soil, Ground Water and Sediment Standards under Part XV.1 of the Environmental Protection Act, 2011* (the "Table 1 SCS").

For comparison purposes, soil quality and groundwater quality was also compared to the Table 3 SCS for residential/parkland/institutional (RPI) land uses.

### 3.2.2 SOIL CONDITIONS

#### 3.2.2.1 ASPHALT

Asphalt was encountered in all five boreholes with thicknesses ranging from about 51 mm to 76 mm.

#### 3.2.2.2 SILTY SAND FILL / SAND FILL

Silty sand fill / sand fill was identified beneath the asphalt in all boreholes and extended to depths ranging from approximately 0.7 to 0.9 mbgs. It contains trace to some amounts of gravel. In addition, cobbles/boulders, brick/coal pieces, sandy silty clay layers and organic materials were noted from samples recovered from the silty sand fill / sand fill. Standard penetration tests carried out within the fill material provided N values ranging from 23 to 29 blows per 0.3 m penetration, indicating a compact state of compactness. At the time of investigation, the silty sand fill / sand fill samples were found to be moist. Laboratory water content tests of the silty sand fill / sand fill samples were measured ranging from about 7% to 16%.

#### 3.2.2.3 SILTY CLAY FILL

Silty clay fill was found in DU-BH20-1 underlying the silty sand fill. This unit extended to a depth of 1.4 mbgs. It contains trace amount of gravel and some amounts of sand. In addition, cobbles/boulders were noted from samples recovered from the silty clay fill. Standard penetration tests carried out within the silty clay fill provided the N value of 6 blows per 0.3 m penetration, indicating a firm state of consistency. The silty clay fill sample was found to be about plastic limit (APL) with measured natural water content at about 18%.

#### 3.2.2.4 SAND

Native sand was found in DU-BH20-3 underlying the silty sand fill and extended to a depth of approximately 2.1 mbgs. It contains some amounts of gravel and silt. Standard penetration tests carried out within the sand provided N values ranging from 24 to 97 blows per 0.3 m penetration, indicating a compact to very dense state of compactness. At the time of investigation, the sand samples were found to be wet. Laboratory water content tests of the sand samples were measured ranging from about 14% to 15%.

#### 3.2.2.5 SILTY CLAY TILL

Native silty clay till was found in all boreholes with the exception of DU-BH20-3 underlying the fill materials. This unit extended to depths ranging from approximately 2.2 to 3.0 mbgs. It contains trace amount of gravel and varying amounts of sand (some sand to sandy). In addition, sandy silt layers were noted from samples recovered from the silty clay till in DU-BH20-1 and DU-BH20-2. Standard penetration tests carried out within the silty clay till provided N values ranging from 7 to 49 blows per 0.3 m penetration, indicating a firm to hard state of consistency. The silty clay till samples were found to be drier than plastic limit (DTPL) to wetter than plastic limit (WTPL) with measured natural water contents ranging from about 10% to 21%.

One (1) laboratory grain size distribution analysis was conducted on a selected sample obtained from the silty clay till. The result is provided in Table 2, according to the Unified Soil Classification System (USCS):

**Table 2: Grain Size Distribution for Silty Clay Till**

BOREHOLE NO.	SAMPLE I.D.	% GRAVEL	% SAND	% SILT	% CLAY
DU-BH20-2	SS3	2	22	46	30

Atterberg Limits test was carried out on the same sample. The result is summarized in Table 3.

**Table 3: Atterberg Limits for Silty Clay Till**

BOREHOLE NO.	SAMPLE I.D.	LIQUID LIMIT (LL)	PLASTIC LIMIT (PL)	PLASTICITY INDEX (PI)
DU-BH20-2	SS3	30	16	14

The results of the analysis are summarized on the borehole log in Appendix D and the plasticity chart is provided in Appendix E.

### 3.2.2.6 SILTY CLAY

Native silty clay was found in DU-BH20-1, DU-BH20-3 and DU-BH20-5 underlying the native silty clay till or sand. This unit extended to depths ranging from approximately 3.2 to 3.7 mbgs. It contains varying amounts of sand (trace to some). In addition, silty sand seams were noted from samples recovered from the silty clay in DU-BH20-1 and DU-BH20-5. Standard penetration tests carried out within the silty clay provided N values ranging from 26 to 56 blows per 0.3 m penetration, indicating a very stiff to hard state of consistency. The silty clay samples were found to be about plastic limit (APL) with measured natural moisture contents ranging from about 15% to 18%.

One (1) laboratory grain size distribution analysis was conducted on a selected sample obtained from the silty clay. The result is provided in Table 4, according to the Unified Soil Classification System (USCS):

**Table 4: Grain Size Distribution for Silty Clay**

BOREHOLE NO.	SAMPLE I.D.	% GRAVEL	% SAND	% SILT	% CLAY
DU-BH20-1	SS5	0	9	68	23

Atterberg Limits test was carried out on the same sample. The result is summarized in Table 5.

**Table 5: Atterberg Limits for Silty Clay**

BOREHOLE NO.	SAMPLE I.D.	LIQUID LIMIT (LL)	PLASTIC LIMIT (PL)	PLASTICITY INDEX (PI)
DU-BH20-1	SS5	27	18	9

The results of the analysis are summarized on the borehole log in Appendix D and the plasticity chart is provided in Appendix E.

### 3.2.2.7 SANDY SILT

Native sandy silt was found in all boreholes underlying the silty clay or silty clay till and extended to depths ranging from approximately 5.2 to 6.7 mbgs. It contains trace amount of clay. In addition, silty clay seams were noted in samples recovered from DU-BH20-1 and DU-BH20-4. All boreholes were terminated in this stratum. Standard penetration tests carried out within the sandy silt provided N values ranging from 28 to 59 blows per 0.3 m penetration, indicating a compact to very dense state of compactness. At the time of investigation, the sandy silt samples were found to be moist to wet. Laboratory water content tests of the sandy silt samples were measured ranging from about 8% to 21%.

One (1) laboratory grain size distribution analysis was conducted on a selected sample obtained from the sandy silt. The results are provided in Table 6, according to the Unified Soil Classification System (USCS):

**Table 6: Grain Size Distribution for Sandy Silt**

BOREHOLE NO.	SAMPLE I.D.	% GRAVEL	% SAND	% SILT	% CLAY
DU-BH20-4	SS8	0	24	71	5

The results of the analysis are summarized on the borehole log in Appendix D.



### 3.2.3 GROUNDWATER CONDITIONS

Boreholes DU-BH20-1, DU-BH20-3 and DU-BH20-5 had groundwater levels measured ranging from approximately 4.7 mbgs to 5.1 mbgs upon completion of drilling while borehole DU-BH20-2 was dry upon completion of drilling. Also, all boreholes remained open and stable upon completion of drilling and removal of auger sampling equipment. A monitoring well was installed in DU-BH20-4 for further monitoring of groundwater level and to measure water quality at the Site.

A groundwater level measurement of 5.2 mbgs was obtained on February 22, 2021 in the monitoring well installed in DU-BH20-4. It should be noted that the groundwater levels can vary and are subject to seasonal fluctuations in response to major weather events.

### 3.2.4 SOIL QUALITY

A total of ten soil samples were collected and analysed for metals and inorganics (M&I) and petroleum hydrocarbons (PHCs), eight soil samples were analysed for polycyclic aromatic hydrocarbons (PAHs) and five soil samples were analysed for volatile organic compounds (VOCs). In addition, one QA/QC duplicate sample was collected and analysed for each of the parameters. The soil results are presented on Tables 7 and 8, following this report. Copies of the Certificates of Analysis are provided in Appendix F. The following is a summary of the results of the soil analyses:

- Comparison of analytical results to the Table 1 Full Depth Background Site Condition Standards (SCS) for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use identified:
  - The concentrations of salt-related parameters exceeded the SCS at all borehole locations. Sodium absorption ratio (SAR) and electrical conductivity (EC) exceeded the Table 1 SCS at all five (5) locations.
  - Elevated pH was identified within the surficial fill material at all five (5) of the borehole locations. Samples tested from the underlying native material were within the acceptable range for pH.
  - Concentrations of PAH parameters exceeded the Table 1 SCS within the fill material identified at four (4) of the borehole locations. DU-BH20-1 had concentrations of phenanthrene greater than the Table 1 SCS. DU-BH20-1 and DU-BH20-5 had concentrations of acenaphthene, anthracene, indeno(1,2,3-cd)pyrene and pyrene exceeded the SCS. DU-BH20-1, DU-BH20-2 and DU-BH20-5 had concentrations of benzo(a)anthracene, benzo(a)pyrene and benzo(b)fluoranthene that exceeded the SCS. Additionally, DU-BH20-1, DU-BH20-2, DU-BH20-3 and DU-BH20-5 had concentrations of fluoranthene which exceeded the SCS.
  - Concentrations of PHC parameter F2 in DU-BH20-1 and DU-BH20-3 had elevated concentrations that slightly exceeded the applicable SCS. The F2 exceedances were measured within the native material at both borehole locations. All other PHC parameters met the applicable SCS.
  - All soil samples met the Table 1 SCS for VOCs.
- For comparison purposes, the soil results were also compared to the Table 3 SCS for residential, parkland, and institutional land use. The following is a summary of the results when compared to the Table 3 SCS:
  - The concentrations of salt-related parameters exceeded the SCS at all borehole locations. Sodium absorption ratio (SAR) exceeded the SCS in soil at three (3) borehole locations and electrical conductivity (EC) exceeded the SCS at five (5) locations.
  - Elevated pH was identified within the fill material at all five (5) of the borehole locations.
  - Concentrations of PAH parameters exceeded the SCS within the fill material identified at four (4) of the borehole locations. Benzo(a)anthracene exceeded the SCS at two (2) borehole locations, benzo(a)pyrene exceeded the SCS at three (3) borehole locations and fluoranthene exceeded the SCS at four (4) locations.
  - All soil samples met the Table 3 SCS for PHCs, PCBs and VOCs.

A composite soil sample was submitted for laboratory toxicity characteristic leaching procedure (TCLP) analyses of metals and inorganics, PAHs, PHCs, and VOCs. Based on the leachate testing results, the soil would be classified as solid, non-hazardous waste. The results of the leachate testing are presented on Table 9.



### 3.2.5 GROUNDWATER QUALITY

One groundwater sample was collected and analysed for M&I, PHCs, PAHs, and VOCs. In addition, one QA/QC duplicate sample was collected and analysed for each of the parameters. The groundwater results are presented on Table 10 and 11, following this report. Copies of the Certificates of Analysis are provided in Appendix F. The following is a summary of the results of the groundwater analyses compared to the Table 1 SCS:

- Concentrations of sodium and chloride exceeded the Table 1 SCS in groundwater at DU-BH20-4.
- The detection limit exceeded the Table 1 SCS at DU-BH20-4 for beryllium, silver, and vanadium. As there were no other exceedances of metals in groundwater, and there was no evidence of metals contamination in the soil samples, the elevated detection limits for these three parameters are not considered to be a concern at the Site.
- A minor exceedance of phenanthrene was identified at DU-BH20-4. All other PAH parameters met the Table 1 SCS.
- The groundwater sample met the Table 1 SCS for all PHC and VOC parameters.

For comparison purposes, the groundwater results were also compared to the Table 3 SCS for residential, parkland, and institutional land use. The following is a summary of the results when compared to the Table 3 SCS:

- Concentrations of chloride exceeded the SCS in the groundwater at DU-BH20-4. The groundwater sample met the Table 3 SCS for all other parameters analysed.

### 3.2.6 SUMMARY OF SUBSURFACE INVESTIGATIONS

Based on the soil conditions encountered in the boreholes, a layer of fill material was observed across the Site from below the asphalt to approximately 1.4 mbgs. The fill material was underlain by a native Silty Clay to Silty Clay Till to termination depth of the boreholes. Groundwater was encountered at a depth of 5.2 mbgs on February 22<sup>nd</sup>, 2021. The following is a summary of the findings of the subsurface investigation:

- The concentrations of salt-related parameters in soil (EC and SAR) exceeded the Table 1 SCS at all borehole locations, and exceeded the Table 3 SCS at three borehole locations. In addition, concentrations of salt-related parameters (sodium and chloride) exceeded the Table 1 SCS in the groundwater sample. The salt-related impacts are likely related to salt applied to surfaces for the safety of vehicular and pedestrian traffic under conditions of snow or ice; therefore, the exceedances are exempted from consideration as a contaminant for any soil that is to remain or be reused at the Site.
- Concentrations of PAH parameters exceeded the Table 1 and Table 3 SCS within the fill material identified at four (4) of the borehole locations, and pH exceeded the Table 1 and Table 3 SCS at all borehole locations.
- Minor exceedances of the Table 1 SCS for PHC fraction F2 were identified in the native material at two borehole locations. These samples met the Table 3 SCS for F2.
- The detection limit exceeded the Table 1 SCS at DU-BH20-4 for beryllium, silver, and vanadium in groundwater. As there were no other exceedances of metals in groundwater, and there was no evidence of metals contamination in the soil samples, the elevated detection limits for these three parameters are not considered to be a concern at the Site.
- A minor exceedance of phenanthrene was identified in groundwater at DU-BH20-4. All other PAH parameters met the Table 1 SCS.
- The groundwater sample met the Table 1 SCS for all PHC and VOC parameters.
- Poor quality fill materials were encountered below the asphalt in all boreholes, and extended to a depth of 0.7 mbgs to 1.4 mbgs. Existing fill materials are considered to be unsuitable for supporting the proposed modular homes. Some of the existing fill materials would be unsuitable for reuse as engineered fill due to the poor gradation and organic and foreign materials inclusions.
- The native soils encountered at the Site are generally considered to be suitable for supporting the modular housing structure.

## 4 CONCLUSIONS AND PRELIMINARY CONSIDERATIONS

Based on the results of the environmental due diligence investigation, the following conclusions are made:

- The Site is currently comprised of paved parking lot with maintained grass located to the east and west of the parking area. The Site was occupied by various residential dwellings from approximately 1890, until they were demolished between 1978 and 1992. It is possible that fill material was imported to the Site as backfill during the demolition, and the quality of the fill material is unknown. This represents a potential environmental concern at the Site.
- The surrounding land uses consist of institutional, residential and community properties. The EW Bickle Centre for Complex Continuing Care (a rehabilitation center), is located adjacent to the north of the Site. The ERIS report identified two doubled-walled steel USTs located on the property which may have impacted the environmental quality at the Site. No evidence of the USTs was observed at the time of the Site reconnaissance.
- Roadways are located adjacent to the Site at the north, east, and south property boundaries and a parking lot is located on the majority of the property. It is assumed that road salt is routinely applied to these roadways during winter for de-icing purposes, and the application of road salt adjacent to the Site may have impacted the environmental quality at the Site.
- A total of five boreholes were advanced across the Site as part of the subsurface investigation. A layer of fill material was observed across the Site from below the asphalt to approximately 1.4 mbgs. The fill material was underlain by a native Silty Clay to Silty Clay Till to termination depth of the boreholes. Soil samples were collected from each of the boreholes and submitted to an accredited laboratory for analysis of M&I, PAHs, PHCs, and VOCs.
- A monitoring well was installed at one location (DU-BH20-4). Groundwater samples were collected from the well and submitted to an accredited laboratory for analysis of M&I, PAHs, PHCs, and VOCs.

### Soil Quality Results:

- Poor quality fill material was identified across the site from surface to approximately 0.6 to 1.4 mbgs. The surficial fill materials had elevated concentrations of salt related parameters (electrical conductivity (EC) and sodium absorption ratio (SAR), pH and PATIs when compared to the Table 1 SCS and the Table 3 SCS for residential, parkland, and institutional land use.
- The underlying native till material had elevated salt related parameters at multiple locations and slightly elevated PHC F2 exceedances at two locations (DU-BH20-1 and DU-BH20-3) when compared to the Table 1 SCS. All submitted samples from the native till met the Table 3 SCS for M&I, PAH, PHC, VOC and PCBs.

### Groundwater Quality Results:

- When compared to the Table 1 SCS, groundwater quality had elevated concentrations of salt related parameters and a slight exceedance of phenanthrene. The results also indicated that the detection limit exceeded the Table 1 SCS at DU-BH20-4 for beryllium, silver, and vanadium. As there were no other exceedances of metals in groundwater, and there was no evidence of metals contamination in the soil samples, the elevated detection limits for these three parameters are not considered to be a concern at the Site.
- Groundwater quality identified elevated concentrations of chloride when compared to the Table 3 SCS. The groundwater sample met the Table 3 SCS for all other parameters analysed.

Based on the results of the investigation, the following preliminary considerations are provided:

- Based on the current and former land use of the Site, the development of the property with modular housing would not constitute a change to a more stringent land use and would therefore not trigger the requirement for a Record of Site Condition (RSC) at the Site.



Elevated concentrations of salt-related parameters were identified in soil and groundwater at the Site. These exceedances are attributed to the use of road salt for pedestrian and vehicular safety on the adjacent roadways. Under O. Reg. 153/04, soil impacts related to application of road salt for de-icing purposes are exempted from consideration as a contaminant for any soil that is to remain or be reused at the Site. Excess soil removed from the Site should be managed as salt-impacted during construction. Further evaluation of groundwater quality should be carried out during detailed design to determine appropriate discharge options in the event that groundwater management is required during construction.

- Based on the results of the soil quality analyses, the concentrations of various PAH parameters and pH exceeded the Table 1 and Table 3 SCS within the fill material identified at multiple borehole locations. The poor quality fill material will require remediation (through bulk excavation or risk assessment) prior to redevelopment for modular housing.
- Excess soil generated during future construction activities should be managed in accordance with Ontario Regulation 406/19. Depending on site specific conditions (e.g. soil quantities, timing for construction) additional soil sampling, reporting and soil tracking may be required prior to or during construction. Excess soil management should be supervised by a QPESA.
- The existing fill materials are considered to be unsuitable for supporting the proposed modular homes. Depending upon the final grading of the site and designs, after removal of asphalt and unsuitable fill material, some of the areas need to be brought up to the underside of the footings, if required, using engineered fill. The materials proposed for use as engineered fill should be approved by qualified geotechnical personnel at the source, prior to hauling to the site. Some of the existing fill materials would be unsuitable for reuse as engineered fill due to the poor gradation and/or organic and foreign materials inclusions. Details regarding placement and compaction requirements for engineered fill, if utilized at the site, can be provided once the actual development plans are available, as part of the final geotechnical recommendations for the project.
- The very stiff to hard native silty clay till and compact to very dense native sand found at the site are considered to be suitable for supporting the proposed modular homes. A preliminary allowable bearing pressure of 150 kPa at SLS (Serviceability Limit State) may be assumed for conventional shallow spread and/or strip footings bearing in the very stiff to hard and compact to very dense undisturbed native subsoils, at depths approximately ranging from 0.7 to 1.4 mbgs. Footings founded on approved engineered fill, if utilized at the site, may be designed using a preliminary allowable bearing pressure of 150 kPa at SLS.
- All exterior footings and footings in unheated areas should be protected with a minimum of 1.2 m of earth cover for frost protection.
- The type of foundation drainage system required (perimeter drains and/or under slab drains) depends upon the proposed founding elevations, soil types in the area and actual stabilized groundwater levels. In any event, the type of foundation drainage should be confirmed by the geotechnical engineer once the site grading plans are available.
- Based on the results of this preliminary investigation, groundwater control during excavations within the native silty clay till, silty clay and sand can be handled by pumping from properly constructed filtered sumps. The need for and type of groundwater control measures can then be reviewed by the geotechnical engineer during the detailed design stage.

The preliminary geotechnical recommendation provided in this report are not sufficient for final design or construction purposes. Once the actual designs are available, the information in this report should be reviewed by the geotechnical engineer and an additional investigation be carried out, compatible with the actual proposed development plans for the Site.

## 5 STANDARD LIMITATIONS

("WSP") prepared this report solely for the use of the intended recipient, City of Toronto, in accordance with the professional services agreement between the parties. In the event a contract has not been executed, the parties agree that the WSP General Terms for Consultant shall govern their business relationship which was provided to you prior to the preparation of this report.

The report is intended to be used in its entirety. No excerpts may be taken to be representative of the findings in the assessment.

The conclusions presented in this report are based on work performed by trained, professional and technical staff, in accordance with their reasonable interpretation of current and accepted engineering and scientific practices at the time the work was performed.

The content and opinions contained in the present report are based on the observations and/or information available to WSP at the time of preparation, using investigation techniques and engineering analysis methods consistent with those ordinarily exercised by WSP and other engineering/scientific practitioners working under similar conditions, and subject to the same time, financial and physical constraints applicable to this project.

WSP disclaims any obligation to update this report if, after the date of this report, any conditions appear to differ significantly from those presented in this report; however, WSP reserves the right to amend or supplement this report based on additional information, documentation or evidence.

WSP makes no other representations whatsoever concerning the legal significance of its findings.

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## 6 REFERENCES

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# TABLES

[illegible][illegible]



Table 1. Summary of Analytical Results in Soil Metals, Inorganics and PAHs  
150 Dunt Avenue, Toronto, Ontario

Service ID:	GROUP VALUE & RPT/EEC (RANGE)	REPORTING LIMIT	UNIT	Q1 2016 - Q1 2017 L2330000 Q1 2016 - Q1 2017	Q2 2016 - Q2 2017 L23 - L23.9 Q2 2016 - Q2 2017	Q3 2016 - Q3 2017 L2390000 Q3 2016 - Q3 2017
<b>Admittance and Impedance</b>						
Admittance	0.0	1	ADMT	-0.07	-0.07	-0.07
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
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Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
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Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
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Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0	1	IMPT	0.0	0.0	0.0
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Inductance	0.0	1	IMPT	0.0	0.0	0.0
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Inductance	0.0	1	IMPT	0.0	0.0	0.0
Resistance	0.0	1	RMPT	0.0	0.0	0.0
Q Factor	0.0	1	QFMT	0.0	0.0	0.0
Capacitance	0.0	1	CMPT	0.0	0.0	0.0
Inductance	0.0					

Company Ltd.	SECUR TABLE 1 (SPECIAL STATEMENT)	COMPANIES (1990)	DATE	PERIOD 1 & 2 (1990-1991)	PERIOD 3 & 4 (1991-1992)	PERIOD 5 & 6 (1992-1993)	PERIOD 7 & 8 (1993-1994)	PERIOD 9 & 10 (1994-1995)	PERIOD 11 & 12 (1995-1996)	PERIOD 13 & 14 (1996-1997)	PERIOD 15 & 16 (1997-1998)	PERIOD 17 & 18 (1998-1999)	PERIOD 19 & 20 (1999-2000)	PERIOD 21 & 22 (2000-2001)	PERIOD 23 & 24 (2001-2002)	PERIOD 25 & 26 (2002-2003)	PERIOD 27 & 28 (2003-2004)	PERIOD 29 & 30 (2004-2005)	PERIOD 31 & 32 (2005-2006)	PERIOD 33 & 34 (2006-2007)	PERIOD 35 & 36 (2007-2008)	PERIOD 37 & 38 (2008-2009)	PERIOD 39 & 40 (2009-2010)	PERIOD 41 & 42 (2010-2011)	PERIOD 43 & 44 (2011-2012)	PERIOD 45 & 46 (2012-2013)	PERIOD 47 & 48 (2013-2014)	PERIOD 49 & 50 (2014-2015)	PERIOD 51 & 52 (2015-2016)	PERIOD 53 & 54 (2016-2017)	PERIOD 55 & 56 (2017-2018)	PERIOD 57 & 58 (2018-2019)	PERIOD 59 & 60 (2019-2020)	PERIOD 61 & 62 (2020-2021)	PERIOD 63 & 64 (2021-2022)	PERIOD 65 & 66 (2022-2023)	PERIOD 67 & 68 (2023-2024)	PERIOD 69 & 70 (2024-2025)	PERIOD 71 & 72 (2025-2026)	PERIOD 73 & 74 (2026-2027)	PERIOD 75 & 76 (2027-2028)	PERIOD 77 & 78 (2028-2029)	PERIOD 79 & 80 (2029-2030)	PERIOD 81 & 82 (2030-2031)	PERIOD 83 & 84 (2031-2032)	PERIOD 85 & 86 (2032-2033)	PERIOD 87 & 88 (2033-2034)	PERIOD 89 & 90 (2034-2035)	PERIOD 91 & 92 (2035-2036)	PERIOD 93 & 94 (2036-2037)	PERIOD 95 & 96 (2037-2038)	PERIOD 97 & 98 (2038-2039)	PERIOD 99 & 100 (2039-2040)	PERIOD 101 & 102 (2040-2041)	PERIOD 103 & 104 (2041-2042)	PERIOD 105 & 106 (2042-2043)	PERIOD 107 & 108 (2043-2044)	PERIOD 109 & 110 (2044-2045)	PERIOD 111 & 112 (2045-2046)	PERIOD 113 & 114 (2046-2047)	PERIOD 115 & 116 (2047-2048)	PERIOD 117 & 118 (2048-2049)	PERIOD 119 & 120 (2049-2050)	PERIOD 121 & 122 (2050-2051)	PERIOD 123 & 124 (2051-2052)	PERIOD 125 & 126 (2052-2053)	PERIOD 127 & 128 (2053-2054)	PERIOD 129 & 130 (2054-2055)	PERIOD 131 & 132 (2055-2056)	PERIOD 133 & 134 (2056-2057)	PERIOD 135 & 136 (2057-2058)	PERIOD 137 & 138 (2058-2059)	PERIOD 139 & 140 (2059-2060)	PERIOD 141 & 142 (2060-2061)	PERIOD 143 & 144 (2061-2062)	PERIOD 145 & 146 (2062-2063)	PERIOD 147 & 148 (2063-2064)	PERIOD 149 & 150 (2064-2065)	PERIOD 151 & 152 (2065-2066)	PERIOD 153 & 154 (2066-2067)	PERIOD 155 & 156 (2067-2068)	PERIOD 157 & 158 (2068-2069)	PERIOD 159 & 160 (2069-2070)	PERIOD 161 & 162 (2070-2071)	PERIOD 163 & 164 (2071-2072)	PERIOD 165 & 166 (2072-2073)	PERIOD 167 & 168 (2073-2074)	PERIOD 169 & 170 (2074-2075)	PERIOD 171 & 172 (2075-2076)	PERIOD 173 & 174 (2076-2077)	PERIOD 175 & 176 (2077-2078)	PERIOD 177 & 178 (2078-2079)	PERIOD 179 & 180 (2079-2080)	PERIOD 181 & 182 (2080-2081)	PERIOD 183 & 184 (2081-2082)	PERIOD 185 & 186 (2082-2083)	PERIOD 187 & 188 (2083-2084)	PERIOD 189 & 190 (2084-2085)	PERIOD 191 & 192 (2085-2086)	PERIOD 193 & 194 (2086-2087)	PERIOD 195 & 196 (2087-2088)	PERIOD 197 & 198 (2088-2089)	PERIOD 199 & 200 (2089-2090)	PERIOD 201 & 202 (2090-2091)	PERIOD 203 & 204 (2091-2092)	PERIOD 205 & 206 (2092-2093)	PERIOD 207 & 208 (2093-2094)	PERIOD 209 & 210 (2094-2095)	PERIOD 211 & 212 (2095-2096)	PERIOD 213 & 214 (2096-2097)	PERIOD 215 & 216 (2097-2098)	PERIOD 217 & 218 (2098-2099)	PERIOD 219 & 220 (2099-2100)	PERIOD 221 & 222 (2100-2101)	PERIOD 223 & 224 (2101-2102)	PERIOD 225 & 226 (2102-2103)	PERIOD 227 & 228 (2103-2104)	PERIOD 229 & 230 (2104-2105)	PERIOD 231 & 232 (2105-2106)	PERIOD 233 & 234 (2106-2107)	PERIOD 235 & 236 (2107-2108)	PERIOD 237 & 238 (2108-2109)	PERIOD 239 & 240 (2109-2110)	PERIOD 241 & 242 (2110-2111)	PERIOD 243 & 244 (2111-2112)	PERIOD 245 & 246 (2112-2113)	PERIOD 247 & 248 (2113-2114)	PERIOD 249 & 250 (2114-2115)	PERIOD 251 & 252 (2115-2116)	PERIOD 253 & 254 (2116-2117)	PERIOD 255 & 256 (2117-2118)	PERIOD 257 & 258 (2118-2119)	PERIOD 259 & 260 (2119-2120)	PERIOD 261 & 262 (2120-2121)	PERIOD 263 & 264 (2121-2122)	PERIOD 265 & 266 (2122-2123)	PERIOD 267 & 268 (
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Table 1. Summary of Analytical Results in Soil  
Pb/Ca and V/Ca  
150 Dunn Avenue, Toronto, Ontario

Thematic Pillar	WFP FIELD 1: REFUGEE-DRIVEN RESPONSE	REPORTING PERIOD: 1997	UNIT	WFP-UNEP 2007 1.0.0 - 2.0.0 1.0.0.0.0.0 (2007-2007)	WFP-UNEP 2007 3.0.0 - 4.0.0 3.0.0.0.0.0 (2007-2007)	WFP-UNEP 2007 5.0.0 - 6.0.0 5.0.0.0.0.0 (2007-2007)	WFP-UNEP 2007 7.0.0 - 8.0.0 7.0.0.0.0.0 (2007-2007)	WFP-UNEP 2007 9.0.0 - 10.0.0 9.0.0.0.0.0 (2007-2007)
Thematic Pillar 1: REFUGEE-DRIVEN RESPONSE	1.0.0	1.0.0	1.0.0	1.0.0	1.0.0	1.0.0	1.0.0	1.0.0
Thematic Pillar 2: REFUGEE-DRIVEN RESPONSE	2.0.0	2.0.0	2.0.0	2.0.0	2.0.0	2.0.0	2.0.0	2.0.0
Thematic Pillar 3: REFUGEE-DRIVEN RESPONSE	3.0.0	3.0.0	3.0.0	3.0.0	3.0.0	3.0.0	3.0.0	3.0.0
Thematic Pillar 4: REFUGEE-DRIVEN RESPONSE	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0
Thematic Pillar 5: REFUGEE-DRIVEN RESPONSE	5.0.0	5.0.0	5.0.0	5.0.0	5.0.0	5.0.0	5.0.0	5.0.0
Thematic Pillar 6: REFUGEE-DRIVEN RESPONSE	6.0.0	6.0.0	6.0.0	6.0.0	6.0.0	6.0.0	6.0.0	6.0.0
Thematic Pillar 7: REFUGEE-DRIVEN RESPONSE	7.0.0	7.0.0	7.0.0	7.0.0	7.0.0	7.0.0	7.0.0	7.0.0
Thematic Pillar 8: REFUGEE-DRIVEN RESPONSE	8.0.0	8.0.0	8.0.0	8.0.0	8.0.0	8.0.0	8.0.0	8.0.0
Thematic Pillar 9: REFUGEE-DRIVEN RESPONSE	9.0.0	9.0.0	9.0.0	9.0.0	9.0.0	9.0.0	9.0.0	9.0.0
Thematic Pillar 10: REFUGEE-DRIVEN RESPONSE	10.0.0	10.0.0	10.0.0	10.0.0	10.0.0	10.0.0	10.0.0	10.0.0
Thematic Pillar 11: REFUGEE-DRIVEN RESPONSE	11.0.0	11.0.0	11.0.0	11.0.0	11.0.0	11.0.0	11.0.0	11.0.0
Thematic Pillar 12: REFUGEE-DRIVEN RESPONSE	12.0.0	12.0.0	12.0.0	12.0.0	12.0.0	12.0.0	12.0.0	12.0.0
Thematic Pillar 13: REFUGEE-DRIVEN RESPONSE	13.0.0	13.0.0	13.0.0	13.0.0	13.0.0	13.0.0	13.0.0	13.0.0
Thematic Pillar 14: REFUGEE-DRIVEN RESPONSE	14.0.0	14.0.0	14.0.0	14.0.0	14.0.0	14.0.0	14.0.0	14.0.0
Thematic Pillar 15: REFUGEE-DRIVEN RESPONSE	15.0.0	15.0.0	15.0.0	15.0.0	15.0.0	15.0.0	15.0.0	15.0.0
Thematic Pillar 16: REFUGEE-DRIVEN RESPONSE	16.0.0	16.0.0	16.0.0	16.0.0	16.0.0	16.0.0	16.0.0	16.0.0
Thematic Pillar 17: REFUGEE-DRIVEN RESPONSE	17.0.0	17.0.0	17.0.0	17.0.0	17.0.0	17.0.0	17.0.0	17.0.0
Thematic Pillar 18: REFUGEE-DRIVEN RESPONSE	18.0.0	18.0.0	18.0.0	18.0.0	18.0.0	18.0.0	18.0.0	18.0.0
Thematic Pillar 19: REFUGEE-DRIVEN RESPONSE	19.0.0	19.0.0	19.0.0	19.0.0	19.0.0	19.0.0	19.0.0	19.0.0
Thematic Pillar 20: REFUGEE-DRIVEN RESPONSE	20.0.0	20.0.0	20.0.0	20.0.0	20.0.0	20.0.0	20.0.0	20.0.0
Thematic Pillar 21: REFUGEE-DRIVEN RESPONSE	21.0.0	21.0.0	21.0.0	21.0.0	21.0.0	21.0.0	21.0.0	21.0.0
Thematic Pillar 22: REFUGEE-DRIVEN RESPONSE	22.0.0	22.0.0	22.0.0	22.0.0	22.0.0	22.0.0	22.0.0	22.0.0
Thematic Pillar 23: REFUGEE-DRIVEN RESPONSE	23.0.0	23.0.0	23.0.0	23.0.0	23.0.0	23.0.0	23.0.0	23.0.0
Thematic Pillar 24: REFUGEE-DRIVEN RESPONSE	24.0.0	24.0.0	24.0.0	24.0.0	24.0.0	24.0.0	24.0.0	24.0.0
Thematic Pillar 25: REFUGEE-DRIVEN RESPONSE	25.0.0	25.0.0	25.0.0	25.0.0	25.0.0	25.0.0	25.0.0	25.0.0
Thematic Pillar 26: REFUGEE-DRIVEN RESPONSE	26.0.0	26.0.0	26.0.0	26.0.0	26.0.0	26.0.0	26.0.0	26.0.0
Thematic Pillar 27: REFUGEE-DRIVEN RESPONSE	27.0.0	27.0.0	27.0.0	27.0.0	27.0.0	27.0.0	27.0.0	27.0.0
Thematic Pillar 28: REFUGEE-DRIVEN RESPONSE	28.0.0	28.0.0	28.0.0	28.0.0	28.0.0	28.0.0	28.0.0	28.0.0
Thematic Pillar 29: REFUGEE-DRIVEN RESPONSE	29.0.0	29.0.0	29.0.0	29.0.0	29.0.0	29.0.0	29.0.0	29.0.0
Thematic Pillar 30: REFUGEE-DRIVEN RESPONSE	30.0.0	30.0.0	30.0.0	30.0.0	30.0.0	30.0.0	30.0.0	30.0.0
Thematic Pillar 31: REFUGEE-DRIVEN RESPONSE	31.0.0	31.0.0	31.0.0	31.0.0	31.0.0	31.0.0	31.0.0	31.0.0
Thematic Pillar 32: REFUGEE-DRIVEN RESPONSE	32.0.0	32.0.0	32.0.0	32.0.0	32.0.0	32.0.0	32.0.0	32.0.0
Thematic Pillar 33: REFUGEE-DRIVEN RESPONSE	33.0.0	33.0.0	33.0.0	33.0.0	33.0.0	33.0.0	33.0.0	33.0.0
Thematic Pillar 34: REFUGEE-DRIVEN RESPONSE	34.0.0	34.0.0	34.0.0	34.0.0	34.0.0	34.0.0	34.0.0	34.0.0

Sample ID Lab Job # Date Sampled	MECP O.Reg. 558 SCH. 4	REPORTING LIMIT	Units	TCLP L2559697 20-Feb-2021
<b>TCLP Metals and Inorganics</b>				
Leachable Fluoride (F-)	150	10	mg/L	<10
Leachable Free Cyanide	20	0.1	mg/L	<0.10
Leachable Nitrite (N)	NV	2	mg/L	<2.0
Leachable Nitrate (N)	NV	2	mg/L	<2.0
Leachable Nitrate + Nitrite	1000	4	mg/L	<4.0
Leachable Mercury (Hg)	0.1	0.0001	mg/L	<0.00010
Leachable Arsenic (As)	2.5	0.05	mg/L	<0.050
Leachable Barium (Ba)	100	0.5	mg/L	0.57
Leachable Boron (B)	500	2.5	mg/L	<2.5
Leachable Cadmium (Cd)	0.5	0.005	mg/L	<0.0050
Leachable Chromium (Cr)	5	0.05	mg/L	<0.050
Leachable Lead (Pb)	5	0.025	mg/L	<0.025
Leachable Selenium (Se)	1	0.025	mg/L	<0.025
Leachable Silver (Ag)	5	0.005	mg/L	<0.0050
Leachable Uranium (U)	10	0.25	mg/L	<0.25
Final pH	NV	0.1	pH	5.69
Initial pH	NV	0.1	pH	5.8
<b>TCLP PAHs</b>				
Acenaphthene	NV	0.005	mg/L	<0.0050
Acenaphthylene	NV	0.005	mg/L	<0.0050
Anthracene	NV	0.005	mg/L	<0.0050
Benzo(a)anthracene	NV	0.005	mg/L	<0.0050
Benzo(a)pyrene	0.001	0.001	mg/L	<0.0010
Benzo(b)fluoranthene	NV	0.005	mg/L	<0.0050
Benzo(g,h,i)perylene	NV	0.005	mg/L	<0.0050
Benzo(k)fluoranthene	NV	0.005	mg/L	<0.0050
Chrysene	NV	0.005	mg/L	<0.0050
Dibenzo(a,h)anthracene	NV	0.005	mg/L	<0.0050
Fluoranthene	NV	0.005	mg/L	<0.0050
Fluorene	NV	0.005	mg/L	<0.0050
Indeno(1,2,3-cd)pyrene	NV	0.005	mg/L	<0.0050
Naphthalene	NV	0.005	mg/L	<0.0050
Phenanthrene	NV	0.005	mg/L	<0.0050
Pyrene	NV	0.005	mg/L	<0.0050
Quinoline	NV	0.005	mg/L	<0.0050
<b>TCLP VOCs</b>				
1,1-Dichloroethylene	1.4	0.025	mg/L	<0.025
1,2-Dichlorobenzene	20	0.025	mg/L	<0.025
1,2-Dichloroethane	0.5	0.025	mg/L	<0.025
1,4-Dichlorobenzene	0.5	0.025	mg/L	<0.025
Benzene	0.5	0.025	mg/L	<0.025
Carbon tetrachloride	0.5	0.025	mg/L	<0.025
Chlorobenzene	8	0.025	mg/L	<0.025
Chloroform	10	0.1	mg/L	<0.10
Dichloromethane	5	0.5	mg/L	<0.50
Methyl Ethyl Ketone	200	1	mg/L	<1.0
Tetrachloroethylene	3	0.025	mg/L	<0.025
Trichloroethylene	5	0.025	mg/L	<0.025
Vinyl chloride	0.2	0.05	mg/L	<0.050
<b>TCLP PCBs</b>				
Total polychlorinated biphenyls	0.3	0.0004	mg/L	<0.00040

<b>Notes:</b>	
NV/-: No Standard established	NA: Parameter not analyzed
MECP O.Reg. 558 Sch. 4 - Ontario Ministry of Environment - Leachate Quality Criteria	
100	Exceeds MECP Leachate Quality Criteria



1 Summary of Analytical Results in Soil  
Metals, Inorganics and PAHs  
150 Dunn Avenue, Toronto

Sample ID	MECP TABLE 1 STANDARD	REPORTING LIMIT	UNITS	DU- BH20-4	DUP-1 Duplicate of DU-BH20-4
Screen Interval (mibs) Lab Job # Sampling Date				L2559766 22-Feb-2021	L2559766 22-Feb-2021
<b>Metals and Inorganics</b>					
Antimony	1.6	1	µg/L	<1.0	<1.0
Arsenic	13	1	µg/L	<1.0	<1.0
Barium	610	1	µg/L	458	399
Beryllium	0.5	1	µg/L	<1.0	<1.0
Boron (Total)	1700	100	µg/L	120	110
Cadmium	0.5	0.05	µg/L	<0.050	<0.050
Chromium	11	5	µg/L	<5.0	<5.0
Chromium VI	25	0.5	µg/L	<0.50	<0.50
Cobalt	3.8	1	µg/L	1.1	<1.0
Copper	5	2	µg/L	<2.0	<2.0
Lead	1.9	0.5	µg/L	<0.50	0.75
Mercury	0.1	0.005	µg/L	<0.0050	<0.0050
Molybdenum	23	0.5	µg/L	4	4.09
Nickel	14	5	µg/L	<5.0	<5.0
Selenium	5	0.5	µg/L	<0.50	<0.50
Silver	0.3	0.5	µg/L	<0.50	<0.50
Thallium	0.5	0.1	µg/L	<0.10	0.34
Vanadium	3.8	5	µg/L	<5.0	<5.0
Zinc	160	10	µg/L	<10	<10
pH	NV	0.1	pH Units	7.11	7.1
Electrical Conductivity	NV	0.003	mS/cm	16.7	16.7
Cyanide, Free	5	2	µg/L	<2.0	<2.0
Sodium	490000	500	µg/L	1620000	1370000
Chloride	790000	10000	µg/L	5900000	5870000
Uranium	8.9	0.1	µg/L	2.08	1.47
<b>Polycyclic Aromatic Hydrocarbons (PAHs)</b>					
Acenaphthene	4.1	0.02	µg/L	0.021	0.02
Acenaphthylene	1	0.02	µg/L	<0.020	<0.020
Anthracene	0.1	0.02	µg/L	0.02	0.022
Benzo(a)anthracene	0.2	0.02	µg/L	<0.020	<0.020
Benzo(a)pyrene	0.01	0.01	µg/L	<0.010	<0.010
Benzo(b)fluoranthene	0.1	0.02	µg/L	<0.020	<0.020
Benzo(g,h,i)perylene	0.2	0.02	µg/L	<0.020	<0.020
Benzo(k)fluoranthene	0.1	0.02	µg/L	<0.020	<0.020
Chrysene	0.1	0.02	µg/L	<0.020	<0.020
Dibenzo(a,h)anthracene	0.2	0.02	µg/L	<0.020	<0.020
Fluoranthene	0.4	0.02	µg/L	0.05	0.054
Fluorene	120	0.02	µg/L	0.022	0.024
Indeno(1,2,3-cd)pyrene	0.2	0.02	µg/L	<0.020	<0.020
1-Methylnaphthalene	NV	0.02	µg/L	0.021	0.02
2-Methylnaphthalene	NV	0.02	µg/L	0.029	0.028
1,2-Methylnaphthalene	2	0.0283	µg/L	0.05	0.048
Naphthalene	7	0.05	µg/L	0.055	0.055
Phenanthrene	0.1	0.02	µg/L	0.175	0.188
Pyrene	0.2	0.02	µg/L	0.033	0.035

<b>Notes:</b>	
NV : No Standard established	NA: Parameter not analyzed
MECP Table 1: Ontario Ministry of the Environment, "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" effective July 1, 2011. Full Depth Background Site Condition Standards for Ground Water for All Types of Property Use.	
100	Exceeds MECP Table 1 Standards
100	Detection Limit Exceeds Applicable Standard

**Table : Summary of Analytical Results in Soil**  
**PHCs and VOCs**  
**150 Dunn Avenue, Toronto**

Sample ID Screen Interval (mbgs) Lab Job # Sampling Date	MECP TABLE 1 STANDARD	REPORTING LIMIT	UNITS	DU- BH20-4 L2559766 22-Feb-2021	DUP-1 Duplicate of DU-BH20-4 L2559766 22-Feb-2021
<b>Petroleum Hydrocarbon Compounds (PHCs)</b>					
F1 (C6-C10)	420	25	µg/L	<25	<25
F1 (C6-C10) - BTEX	420	25	µg/L	<25	<25
F2 (C10-C16)	150	100	µg/L	<100	<100
F3 (C16-C34)	500	250	µg/L	<250	<250
F4 (C34-C50)	500	250	µg/L	<250	<250
Reached Baseline at C50	NV	NV	NV	YES	YES
<b>Volatile Organic Compounds (VOCs)</b>					
Acetone	2700	30	µg/L	<30	<30
Benzene	0.5	0.5	µg/L	<0.50	<0.50
Bromodichloromethane	2	2	µg/L	<2.0	<2.0
Bromoform	5	5	µg/L	<5.0	<5.0
Bromomethane	0.89	0.5	µg/L	<0.50	<0.50
Carbon Tetrachloride	0.2	0.2	µg/L	<0.20	<0.20
Chlorobenzene	0.5	0.5	µg/L	<0.50	<0.50
Chloroform	2	1	µg/L	<1.0	<1.0
Dibromochloromethane	2	2	µg/L	<2.0	<2.0
1,2-Dichlorobenzene	0.5	0.5	µg/L	<0.50	<0.50
1,3-Dichlorobenzene	0.5	0.5	µg/L	<0.50	<0.50
1,4-Dichlorobenzene	0.5	0.5	µg/L	<0.50	<0.50
1,1-Dichloroethane	0.5	0.5	µg/L	<0.50	<0.50
1,2-Dichloroethane	0.5	0.5	µg/L	<0.50	<0.50
1,1-Dichloroethylene	0.5	0.5	µg/L	<0.50	<0.50
Cis-1,2-Dichloroethylene	1.6	0.5	µg/L	<0.50	<0.50
Trans-1,2-Dichloroethylene	1.6	0.5	µg/L	<0.50	<0.50
1,2-Dichloropropane	0.5	0.5	µg/L	<0.50	<0.50
Cis-1,3-Dichloropropylene	NV	0.3	µg/L	<0.30	<0.30
Trans-1,3-Dichloropropylene	NV	0.3	µg/L	<0.30	<0.30
1,3-Dichloropropylene	0.5	0.5	µg/L	<0.50	<0.50
Ethylbenzene	0.5	0.5	µg/L	<0.50	<0.50
Ethylene Dibromide (1,2-Dibromoethane)	0.2	0.2	µg/L	<0.20	<0.20
Methyl Ethyl Ketone	400	20	µg/L	<20	<20
Methylene Chloride	5	5	µg/L	<5.0	<5.0
Methyl Isobutyl Ketone	640	20	µg/L	<20	<20
Methyl-t-Butyl Ether	15	2	µg/L	<2.0	<2.0
Styrene	0.5	0.5	µg/L	<0.50	<0.50
1,1,1,2-Tetrachloroethane	1.1	0.5	µg/L	<0.50	<0.50
1,1,2,2-Tetrachloroethane	0.5	0.5	µg/L	<0.50	<0.50
Toluene	0.8	0.5	µg/L	<0.50	<0.50
Tetrachloroethylene	0.5	0.5	µg/L	<0.50	<0.50
1,1,1-Trichloroethane	0.5	0.5	µg/L	<0.50	<0.50
1,1,2-Trichloroethane	0.5	0.5	µg/L	<0.50	<0.50
Trichloroethylene	0.5	0.5	µg/L	<0.50	<0.50
Vinyl Chloride	0.5	0.5	µg/L	<0.50	<0.50
m-Xylene & p-Xylene	NV	0.4	µg/L	<0.40	<0.40
o-Xylene	NV	0.3	µg/L	<0.30	<0.30
Total Xylenes	72	0.5	µg/L	<0.50	<0.50
Dichlorodifluoromethane	590	2	µg/L	<2.0	<2.0
Hexane(n)	5	0.5	µg/L	<0.50	<0.50
Trichlorofluoromethane	150	5	µg/L	<5.0	<5.0

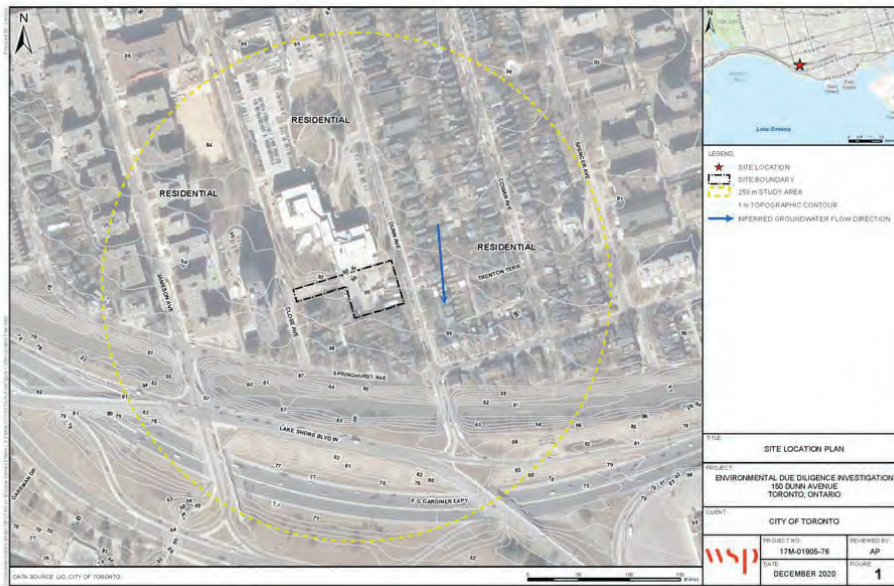
**Notes:**

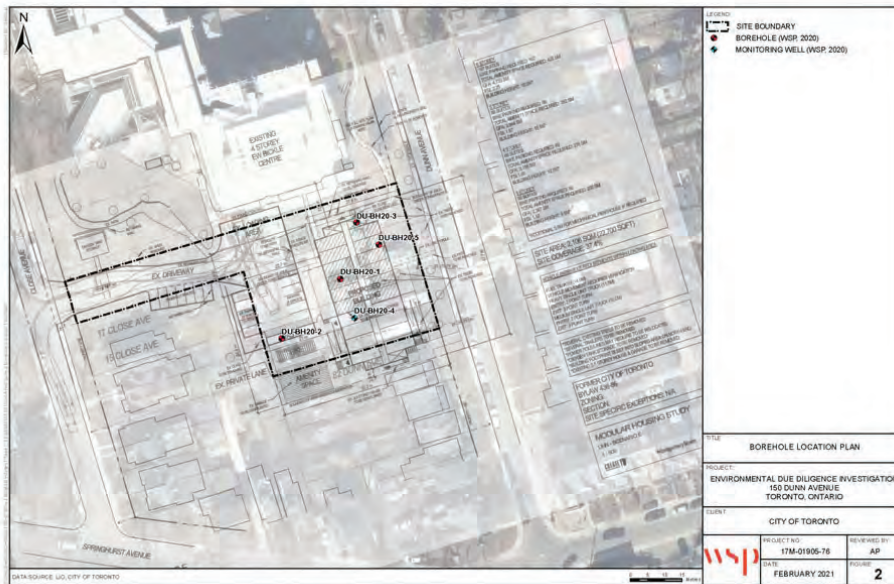
NV : No Standard established  
 NA: Parameter not analyzed  
 MECP Table 1: Ontario Ministry of the Environment, "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" effective July 1, 2011. Full Depth Background Site Condition Standards for Ground Water for All Types of Property Use.

100	Exceeds MECP Table 1 Standards
100	Detection Limit Exceeds Applicable Standard

# FIGURES





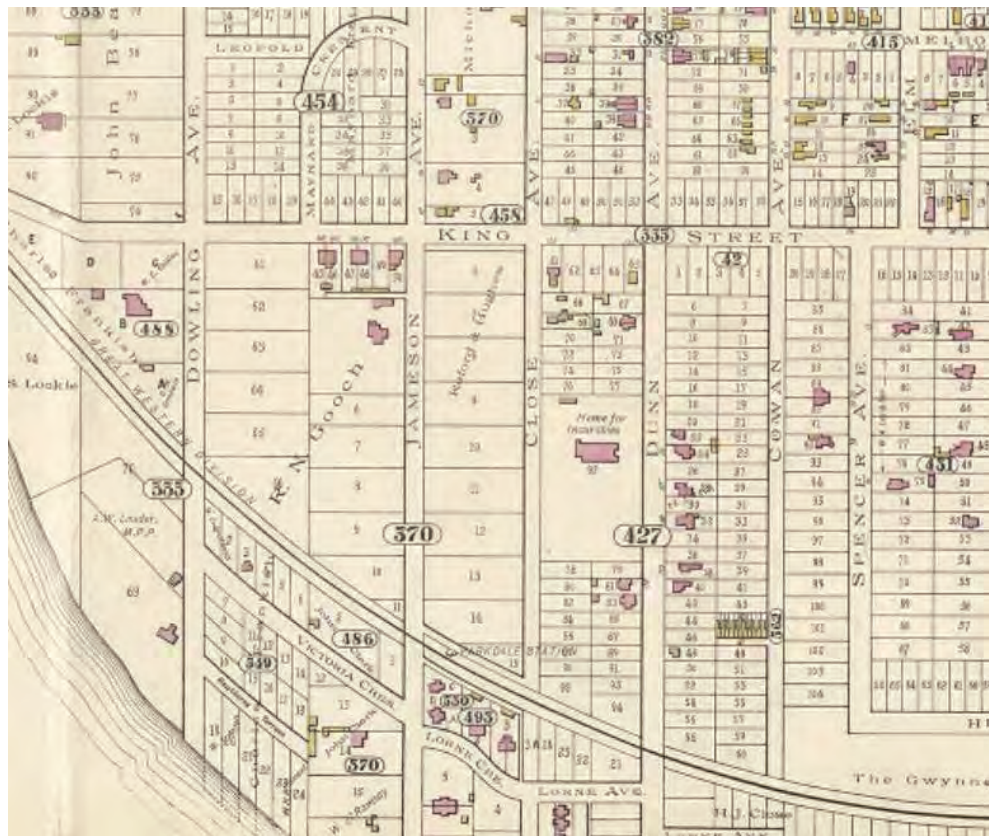


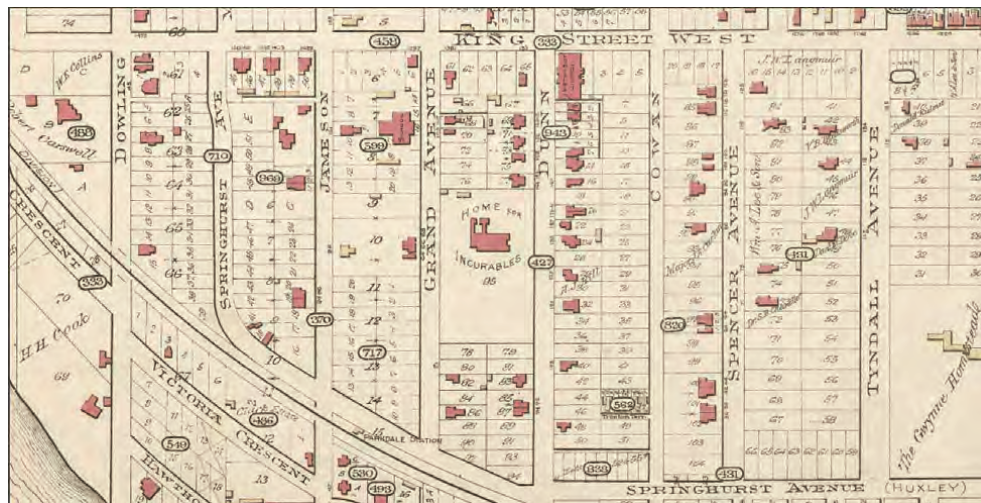
# APPENDIX

## **A** BACKGROUND DOCUMENTATION

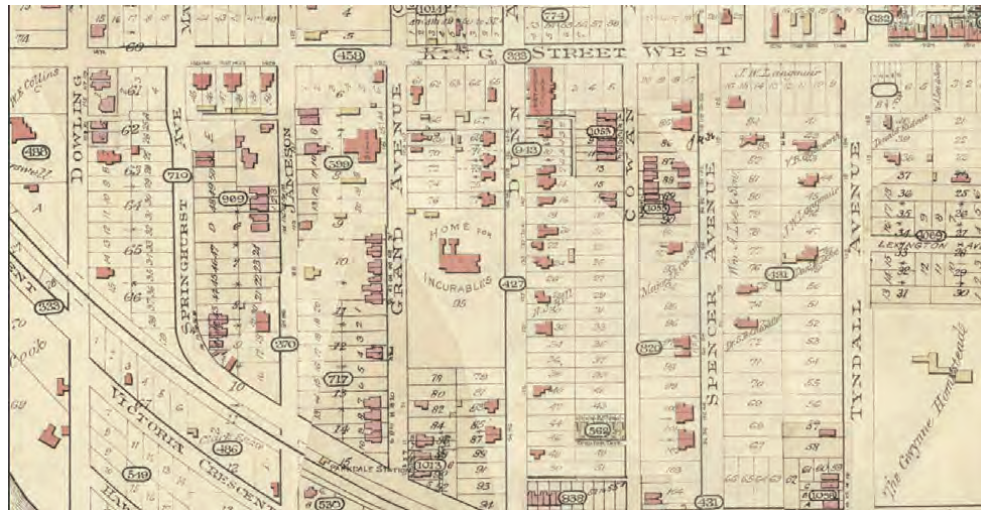
## APPENDIX

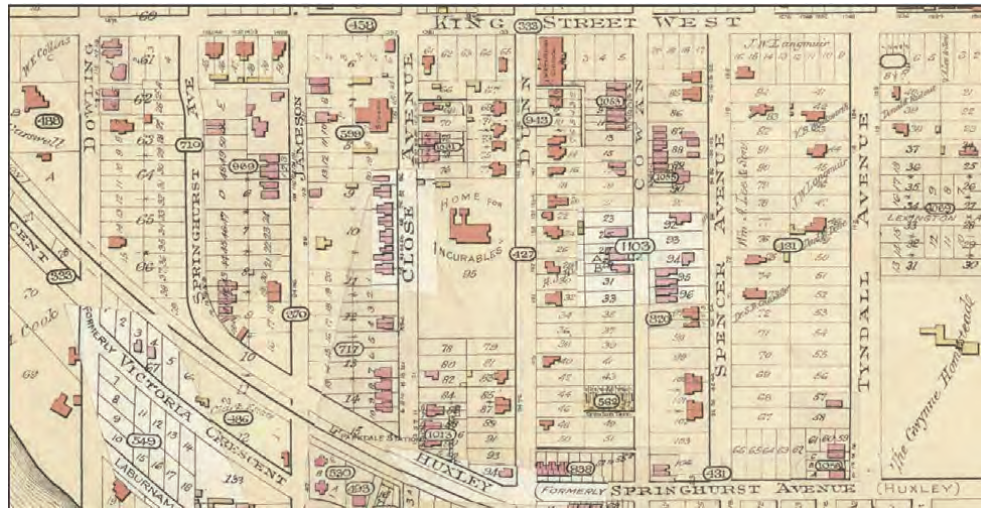
# **A-1** *FIRE INSURANCE PLANS*



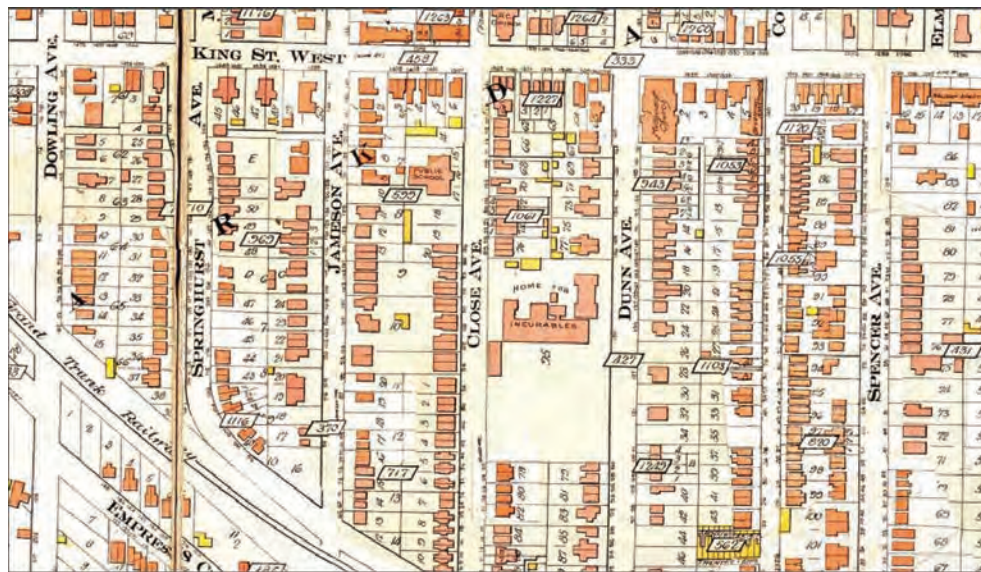




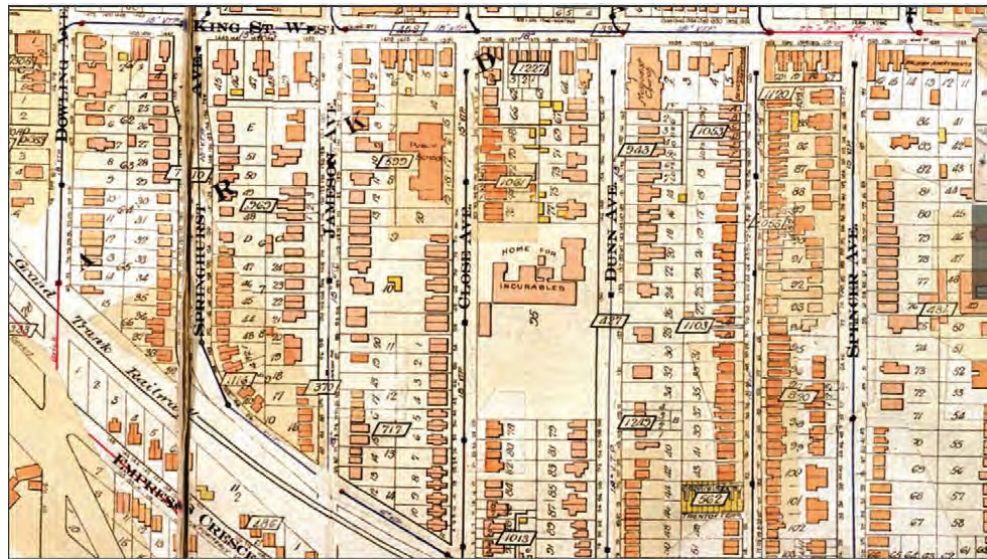












## APPENDIX

# **A-2** *CITY DIRECTORIES*



City Directory Information Source
Polk's Toronto-West, Ontario Criss-Cross Directory

*\*\*Note addendum regarding documentation results.\*\**

2000	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Site Listing:	-Residential, or Not Listed (Not Individually Indicated Within Coverage)
Adjacent Properties:	
Dunn Avenue (70-220)	-All Residential  70-Product Management Canada Inc.  93-Compact Business Systems Limited  130-Toronto Rehabilitation Institute Queen Elizabeth  162-Sunflower House Child Care Centre  171-Parkdale United Church  200-Viking Contracting
Close Avenue (1-170)	-All Residential  22-Sin Jin Tuck Shop  100-Parkdale Beach Child Care Centre  -Queen Victoria Public School  -Toronto District School Board

2000	
Project Number: WSP Justin Site Address: 150 Dunn Avenue, Toronto, Ontario	
	141-Community Centres -Toronto Catholic District School Board
Cowan Avenue (25-145)	-All Residential 33-After Five Office Cleaning 52-Hip Hype Inc. 54-Cowan House
Jameson Avenue (85-180)	-All Residential 149-Ecuhome Corp.
King Street West (1255-1470) (Missing 1255-1300 & 1460-1470)	-All Residential 1311-In Tents 1312-South Phoenix Rest 1316-Durga Grocery & Video 1318-Charles Pharm 1330-Pedahbun Lodge 1335-Parkdale Recovery House 1339-Catholic Worker -Vigil Toronto -Working Group On Refugee Resettlement 1367-Software Dimensions 1372-Archdiocese Of Toronto -Holy Family Church

2000	
Project Number: WSP Justin Site Address: 150 Dunn Avenue, Toronto, Ontario	
	1430-Central Market -King N Queen 1435-Bingo Country -Qnetix NG Projects 1439-Parkdale Pharmacy 1441-Jameson Variety Fair -Town Savers
Lake Shore Boulevard West	-No Listings Within Desired Radius
Maynard Avenue (1-15)	-All Residential
Spencer Avenue (20-125) (Missing 20-50)	-All Residential 70-Ani Wall Concrete Forming 75-Sum Tai Ontario Inc. 91-Spencer Avenue Co-Op 99-Spencer Cleaners
Springhurst Avenue (65-160)	-All Residential 62 – A & B Milk Store 120-Pinnacle Construction 141-An Extended Care Centre -Saint Rphl's Nursing Homes 149-Canadian News & Information International

2000	
Project Number: WSP Justin Site Address: 150 Dunn Avenue, Toronto, Ontario	
	160-Harry's Char Broil & Dining Lounge -JYW Marking Services -Killen Richard & Assoc Ltd -Student Strippers
Trenton Terrace (All) (Missing All)	-Information Inaccessible

1995	
Project Number: WSP Justin Site Address: 150 Dunn Avenue, Toronto, Ontario	
Site Listing:	-Residential, or Not Listed (Not Individually Indicated Within Coverage)
Adjacent Properties:	
Dunn Avenue (70-220)	-All Residential 76 – Multi Advertising Service Inc 93 – Compact Business Systems LTD 127 – Golden Manor Retirement Residence 130 – Queen Elizabeth Hospital 162-Sunflower House Child Care Centre 171-Parkdale United Church
Close Avenue (1-170)	-All Residential 22-Food Village Tuck Shop 100-Parkdale Beach Child Care Centre -Queen Victoria Elementary School

1995	
Project Number: WSP Justin Site Address: 150 Dunn Avenue, Toronto, Ontario	
	141-Holy Family
Cowan Avenue (25-145)	-All Residential 54 – Cowan House
Jameson Avenue (85-180)	-All Residential 145-Koroway Floor Svc. & Renovation 149-Guardian Angels 160-Admann International Trade Inc.
King Street West (1255-1470) (Missing 1255-1300 & 1435-1470)	-All Residential 1312-South Phoenix Rest -Nick's Pizza Bar 1314-King Dry Cleaning & Shoe Repair 1316-Mink Video -Lana's Silver Comb 1318-Charles Pharmacy 1330-Pedahbun Lodge 1335-Naomi Residence Inc. 1339-Community Occupational Therapy -Shalom House -Working Group On Refugee 1361-Today's Choice Realty Ltd. 1372-Holy Family Church



1995	
Project Number: WSP Justin Site Address: 150 Dunn Avenue, Toronto, Ontario	
	1374-St. Philip's Pantry 1430-Bingo Cleaners -Central Market -Compsys 1435-Bingo Country -Joe's No Frills -Loblaws Supermarkets Ltd.
Lake Shore Boulevard West	-No Listings Within Desired Radius
Maynard Avenue (1-15) (Missing All)	-Information Inaccessible
Spencer Avenue (20-125) (Missing 20-50)	-All Residential 99-Spencer Cleaners
Springhurst Avenue (65-160)	-All Residential 62 – A & B Milk Store 93-Keyster Inc. 110-Ceja Electric 136-Matthew's Lakeside Rest 149-Canadian News & Information International 160-Microm MGMT Account & Business -Richard Parnes DDS -Student Strippers

1995	
Project Number: WSP Justin Site Address: 150 Dunn Avenue, Toronto, Ontario	
Trenton Terrace (All) (Missing All)	-Information Inaccessible

1991	
Project Number: WSP Justin Site Address: 150 Dunn Avenue, Toronto, Ontario	
Site Listing:	-Residential, or Not Listed (Not Individually Indicated Within Coverage)
Adjacent Properties:	
Dunn Avenue (70-220)	-All Residential 76 – Multi Advertising Service Inc 93 – Compact Business Systems LTD 127 – Saint Elizabeth Villa 130 – Queen Elizabeth Hospital 171-Parkdale United Church
Close Avenue (1-170)	-All Residential 89-Queen Elizabeth Hospital Deliveries 100-Queen Victoria School 141-Holy Family Separate School
Cowan Avenue (25-145)	-All Residential 54-Cowan House Nursing Home
Jameson Avenue (85-180)	-All Residential

1991	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
King Street West (1255-1470) (Missing 1255-1300 & 1460-1470)	-All Residential 1304-Coin Laundry 1306-I G A 1312-South Phoenix Rest 1313-O K Convenience 1314-King Shoe Repair 1316-King Cowan Variety Shop -Lana's Silver Comb Beauty Shop 1318-Charles Pharmacy 1330-Pedahbun Lodge 1360-Middleton Marketing & Design 1374-Holy Family Church 1435-No Frills Grocery Store 1439-Taylors cleaners & launderers 1441-Bank of NS
Lake Shore Boulevard West	-No Listings Within Desired Radius
Maynard Avenue (1-15)	-All Residential
Spencer Avenue (20-125) (Missing 20-50)	-All Residential 99-Spencer Cleaners

1991	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Springhurst Avenue (65-160)	-All Residential  150-Parkdale Project  160-Jameson Variety & Video  -Harry's Charcoal Broil  -Springhurst Dental Office  -Great Temptation Corp
Trenton Terrace (All) (Missing All)	-Information Inaccessible

1985/86	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Site Listing:	-Residential, or Not Listed (Not Individually Indicated Within Coverage)
Adjacent Properties:	
Dunn Avenue (70-220)	-All Residential  89-Queen Elizabeth Hospital Deliveries  100-Queen Victoria School  141-Holy Family Separate School
Close Avenue (1-170)	-All Residential  89-Queen Elizabeth Hospital Deliveries  100-Queen Victoria School  141-Holy Family Separate School

1985/86	
Project Number: WSP Justin Site Address: 150 Dunn Avenue, Toronto, Ontario	
Cowan Avenue (25-145)	-All Residential  54-Cowan House Nursing Home  141-Cowan Press Shop Cleaners & Launderers
Jameson Avenue (85-180)	-All Residential
King Street West (1255-1470) (Missing 1255-1300 & 1435-1470)	-All Residential  1304-Laundromat  1306-I G A  1311-Three I Convenience Store  1312-South Phoenix Rest  1313-Sofia's Hairstylists  1314-Parkdale TV & Sound  1316-King Cowan Variety Shop  -Lana's Silver Comb Beauty Shop  1318-Charles Pharmacy  1330-Pedahbun Lodge  1360-Middleton Marketing & Design  1374-Holy Family Church  1435-Dominion Store Ltd. Grocery
Lake Shore Boulevard West	-No Listings Within Desired Radius
Maynard Avenue (1-15) (Missing All)	-Information Inaccessible



1985/86	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Spencer Avenue (20-125) (Missing 20-50)	-All Residential  99-Spencer Cleaners
Springhurst Avenue (65-160)	-All Residential  136-Springhurst Hostel & Boarding House  141-Extended Care Centre  160-Shoppers Drug Mart  -Harry's Charcoal Broil  -Springhurst Dental Office  - Springhurst Medical Clinic
Trenton Terrace (All) (Missing All)	-Information Inaccessible

1978/79	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Site Listing:	-Residential, or Not Listed (Not Individually Indicated Within Coverage)
Adjacent Properties:	
Dunn Avenue (70-220)	-All Residential  130-Queen Elizabeth Hospital  165-Parkdale United Church
Close Avenue (1-170)	-All Residential

1978/79	
Project Number: WSP Justin Site Address: 150 Dunn Avenue, Toronto, Ontario	
	89-Queen Elizabeth Hospital Deliveries 100-Queen Victoria School 141-Holy Family Separate School
Cowan Avenue (25-145)	-All Residential 54-Cowan House Nursing Home 141-Cowan Press Shop Cleaners & Launderers
Jameson Avenue (85-180)	-All Residential
King Street West (1255-1470) (Missing 1255-1300 & 1460-1470)	-All Residential 1304-Laundromat 1306-I G A Grocery 1311-John's Expert Shoe Repairing 1312-Ho King Rest 1313-Sofia's Hairstylists 1314-Parkdale TV & Sound 1316-King Cowan Smoke Shop 1318-Charles Pharmacy 1330-Pedahbun Lodge 1334-King St. West Med Clinic 1340-King's Lodge 1372-Holy Family Church 1430-Doctor office

1978/79	
Project Number: WSP Justin Site Address: 150 Dunn Avenue, Toronto, Ontario	
	-Dentist office  1435-Dominion Stores Ltd.  -Parkdale Boulorama  1439-Taylor's cleaners & launderers  1441-Bank of NS
Lake Shore Boulevard West	-No Listings Within Desired Radius
Maynard Avenue (1-15)	-All Residential
Spencer Avenue (20-125) (Missing 20-50)	-All Residential  99-Spencer Cleaners  101-Happy Face Sandwich Bar
Springhurst Avenue (65-160)	-All Residential  141-St Raphael's Nursing Homes  160-Shoppers Drug Mart  -John's Hairstyling Boutique  -Agriculture Canada production market livestock div.  - Agriculture Canada prod. Marketing  - Agriculture Canada plant products div  - Agriculture Canada poultry div.  - Agriculture Canada plant protection  -Harry's Charcoal Broil

1978/79	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
	-Springhurst Community Health Center -High Park Laboratory -Medical & Dental Offices
Trenton Terrace (All) (Missing All)	-Information Inaccessible

1972	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Site Listing:	-Residential, or Not Listed (Not Individually Indicated Within Coverage)
Adjacent Properties:	
Dunn Avenue (70-220)	-All Residential 72-Bldny Painting Contr. 130-Queen Elizabeth Hospital
Close Avenue (1-170)	-All Residential 100-Queen Victoria School 141-Holy Family Separate School
Cowan Avenue (25-145)	-All Residential 141-Cowan Press Shop Cleaners & Launderers
Jameson Avenue (85-180)	-All Residential

1972	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
King Street West (1255-1470) (Missing 1255-1300 & 1460-1470)	-All Residential  1304-Laundromat Coin Laundry  1306-10-I G A Grocery  1312-Bing's Rest  1314-Bagg's TV Rentals  1316-King Cowan Smoke Shop  1318-Charles Pharmacy  1374-Holy Family Church  1430-Dentist office   1307-Parisian Dressmaker  1311-John's Expert Shoe Repairing  1313-Sofia's Hairstylists  1359-Parkdale United Church  1435-Dominion Stores Ltd.  -Shea's Parkdale Bowl Bowling Alley  1439-Taylors drive in cleaners & launderers  1441-Bank of NS
Lake Shore Boulevard West	-No Listings Within Desired Radius
Maynard Avenue (1-15)	-All Residential
Spencer Avenue (20-125) (Missing 20-50)	-All Residential



1972	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
	99-Chuck's Grocery
	101-Louie's Barber Shop
Springhurst Avenue (65-160)	-All Residential 141-St Raphael's Nursing Homes  160-Shoppers Drug Mart -John's Hairstyling Boutique -Post Office -Melco AC Ltd -Dept of Agriculture: -Production & Marketing Div. -Dairy Products Div -Plant Products Div -Poultry Div. -Campbell Evans Advertising Ltd -Harry's Charcoal Broil -Medical & Dental Offices
Trenton Terrace (All) (Missing All)	-Information Inaccessible

1965	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Site Listing:	-Residential (3 Tenants)

1965	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Adjacent Properties:	
Dunn Avenue (70-220)	-All Residential  127 – Anderson Nursing Home  ** - Parkdale United Church  130-Queen Elizabeth Hospital
Close Avenue (1-170)	-All Residential  105 – Post Office Sub Str No 47  -Shellette's Grocery  137-145 – Holy Family (RC) School  100-Queen Victoria School  140- St Paul's Nursing Home
Cowan Avenue (25-145)	-All Residential  141-Cowan Press Shop, cleaning & pressing
Jameson Avenue (85-180)	-All Residential
King Street West (1255-1470)	-All Residential  1260 – Seed Testing Services  1286 – Anderson's Shell Service Station

1965	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
	1304-Nolte's Bakery 1306-10-Dominion Stores 1312-Bing's Rest 1314-Magic Ladies Wear Shop 1316-King Cowan Smoke Shop -The Beauty Box 1318-Charles Pharmacy 1336-Dental Office 1374-Holy Family Church 1468 – Nightingale Nursing Home  1263 – Ryva KJ & Co 1265 – Clean-Rite Cleaners & Launderers 1307-Parisian Dressmaker 1311-Bobyk's Shoe Repairing 1313-Tamblyn's Drugs 1359-Parkdale United Church 1381-Dental Office 1435-Dominion Stores Ltd. -Shea's Parkdale Bowl Bowling Alley 1439 – Taylor's Drive-In Cleaners & Launderers LTD 1441 – Bank of Nova Scotia 1443 – Bromley Flower Shop

1965	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Lake Shore Boulevard West	-No Listings Within Desired Radius
Maynard Avenue (1-15)	-All Residential
Spencer Avenue (20-125)	-All Residential 99-Chuck's Grocery 101-Mar's Barber Shop
Springhurst Avenue (65-160)	-All Residential 141-St Raphael's Nursing Homes  160-Bi-Rite Drugs Ltd -Post Office -Kinghurst Plaza Barber Shop -Curran's Beauty Salon
Trenton Terrace (All)	-All Residential

1960	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Site Listing:	-Residential (2 Tenants)
Adjacent Properties:	
Dunn Avenue (70-220)	-All Residential

1960	
Project Number: WSP Justin Site Address: 150 Dunn Avenue, Toronto, Ontario	
	127 – Anderson Nursing Home 163-Parkdale United Church 130-Queen Elizabeth Hospital
Close Avenue (1-170)	-All Residential 105-Shellette's Grocery -Post Office Sub Station No 47 137-45-Holy Family School 100-Queen Victoria School
Cowan Avenue (25-145)	-All Residential 141-Cowan Press Shop Cleaning & Pressing
Jameson Avenue (85-180)	-All Residential
King Street West (1255-1470)	-All Residential 1286 – Anderson's Shell Service Station 1302 – Parkdale Dahlia Gardens 1304-Don Royal's Bakery 1306-10-Dominion Stores 1312-Expressway Restaurant 1314-Rose Hosiery Shop

1960	
Project Number: WSP Justin Site Address: 150 Dunn Avenue, Toronto, Ontario	
	1316-King Cowan Barber Shop -The Beauty Box 1318-Druggist -Post Office 1336-Dental Office 1374-Holy Family Church  1263 – Ryva KJ & Co 1265 – Drugs 1301 – Marie's Beauty Salon 1311- Shoe Repairing 1313-Tamblyn's Drugs 1359-Parkdale United Church 1381-Dental Office 1433 – Dental Office
Lake Shore Boulevard West	-No Listings Within Desired Radius
Maynard Avenue (1-15)	-All Residential
Spencer Avenue (20-125)	-All Residential 99-Grocery 101-Spencer's Barber Shop



1960	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Springhurst Avenue (65-160)	-All Residential  148-Parkdale Automatic Heating Co  141-St Raphael's Nursing Home
Trenton Terrace (All)	-All Residential

1955	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Site Listing:	-Residential (3 Tenants)
Adjacent Properties:	
Dunn Avenue (70-220)	-All Residential  103-Mahaffy Real Estate  127 – Anderson Nursing Home  163-Parkdale United Church  130-Queen Elizabeth Hospital
Close Avenue (1-170)	-All Residential  105-Shellette's Grocery  -Post Office Sub Station No 47  137-45-Holy Family School

1955	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
	100-Queen Victoria School
Cowan Avenue (25-145)	-All Residential 27-Seaway Shop Supply 141-Parkdale Grocery
Jameson Avenue (85-180)	-All Residential 147-McKinnon's Hairdressing
King Street West (1255-1470)	-All Residential 1266 – Furrier 1286 – Anderson's Shell Service Station 1302-Parkdale Dahlia Gardens 1304-Don Royal's Bakery 1306-10-Dominion Stores 1312-Queen's Tea Room 1314-Rose Hosiery Shop 1316-King Cowan Barber Shop -The Beauty Box 1318-Druggist -Post Office 1336-Dental Office 1374-Holy Family Church 1464 – Steban & Guiane Real Estate

1955	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
	1263 – Ryva KJ & Co 1265 – Drugs 1311-Bobyk's Shoe Repairing 1313-Tamblyn's Drugs 1359-Parkdale United Church 1367-Ingram's Hairdresser 1381-Dental Office 1433-Dental Office
Lake Shore Boulevard West	-No Listings Within Desired Radius
Maynard Avenue (1-15)	-All Residential
Spencer Avenue (20-125)	-All Residential 47 – Anderson's Nursing Home 89 – Brother's of the Christian Schools 99-Grocery 101-Spencer's Barber Shop
Springhurst Avenue (65-160)	-All Residential
Trenton Terrace (All)	-All Residential

1950	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Dunn Avenue (70-220)	-All Residential  127 – Grange Nursing Home  163-Parkdale United Church  189-Woodwork Shop   130-Queen Elizabeth Hospital
Close Avenue (1-170)	-All Residential  105-Shellette's Grocery  -Post Office Sub Station  137-41-Holy Family R C School   100-Queen Victoria School
Cowan Avenue (25-145)	-All Residential  141-Parkdale Grocery
Jameson Avenue (85-180)	-All Residential
King Street West (1255-1470)	-All Residential  1286 – Anderson's Shell Service Station

1950	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
	1302-Parkdale Dahlia Gardens 1304-La Claire's Fine Pastry 1306-10-Dominion Stores 1312-Queen's Tea Room 1314-Rose Hosiery Shop 1316-King Cowan Barber Shop -The Beauty Box 1318-Druggist 1336-Dental Office 1364-Teresa Designing & Dressmaking School 1374-Holy Family Church  1265 – Drugs 1311-Bobyk's Shoe Repairing 1313-Owl Drug Stores Ltd. 1359-Parkdale United Church 1367-Ingram's Hairdresser 1381-Dental Office 1433-Dental Office
Lake Shore Boulevard West	-No Listings Within Desired Radius
Maynard Avenue (1-15)	-All Residential

1950	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Spencer Avenue (20-125)	-All Residential  25 – Canadian Graphite Lubricants  89 – Brother's of the Christian Schools  101-Spencer's Barber Shop
Springhurst Avenue (65-160)	-All Residential
Trenton Terrace (All)	-All Residential

1945	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Dunn Avenue (70-220)	-All Residential  163-Parkdale United Church  130-Queen Elizabeth Hospital
Close Avenue (1-170)	-All Residential  87-Hospital For Incurables Residence  105-Hart's Grocery  137-41-Holy Family School



1945	
Project Number: WSP Justin Site Address: 150 Dunn Avenue, Toronto, Ontario	
	100-Queen Victoria School 170-Parkdale Collegiate
Cowan Avenue (25-145)	-All Residential 141-Parkdale Grocery
Jameson Avenue (85-180)	-All Residential
King Street West (1255-1470)	-All Residential 1266 – Fur Remodelling 1286 – Allewell Shell Service Station 1302-Parkdale Dahlia Gardens 1304-Dodge Bakery 1306-10-Dominion Stores 1312-Queen's Tea Room 1314-Rose Hosiery Shop 1316-McKeown's Barber Shop -The Beauty Box 1318-Druggist 1328-Thelma Beauty Salon 1336-Dental Office 1364-Teresa Designing & Dressmaking School 1374-Holy Family Church

1945	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
	1265 – Drugs 1311-Diamond Cleaners & Launderers 1313-Owl Drug Stores Ltd. 1359-Parkdale United Church 1367-Ingram's Hairdresser 1381-Dental Office 1433-Dental Office
Lake Shore Boulevard West	-No Listings Within Desired Radius
Maynard Avenue (1-15)	-All Residential
Spencer Avenue (20-125)	-All Residential 89 – Brother's of the Christian Schools 99 – Toronto Conservatory of Music 101 – Spencer Barber Shop
Springhurst Avenue (65-160)	-All Residential
Trenton Terrace (All)	-All Residential
1940	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Site Listing:	-Address Not Listed

1940	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Adjacent Properties:	
Dunn Avenue (70-220)	-All Residential  163-Parkdale United Church   130-Hospital for Incurables
Close Avenue (1-170)	-All Residential  87-Hospital For Incurables Residence  105 – Post Office Sub Station  137-41-Holy Family School   100-Queen Victoria School  170 – Parkdale Collegiate
Cowan Avenue (25-145)	-All Residential  141-Parkdale Grocery
Jameson Avenue (85-180)	-All Residential
King Street West (1255-1470)	-All Residential  1266 – Fur Remodelling  1286 – Service Station  1302-Parkdale Dahlia Gardens

1940	
Project Number: WSP Justin Site Address: 150 Dunn Avenue, Toronto, Ontario	
	1306-Dodge Bakery 1308-Gilles Beauty Salon 1310-McKeown Barber shop 1312-Queen's Tea Room 1314-Vogue Hand Laundry & Cleaners 1316-Dominion Stores Ltd. 1318-Druggist 1336-Dental Office 1364-Teresa Dressmaking 1372-Holy Family Church  1265 – Drugs 1313-Owl Drug Stores Ltd. 1359-Parkdale United Church 1367-Ingram's Hairdresser 1381-Dental Office
Lake Shore Boulevard West	-No Listings Within Desired Radius
Maynard Avenue (1-15)	-All Residential
Spencer Avenue (20-125)	-All Residential 89 – Brother's of the Christian Schools 99 – Toronto Conservatory of Music

1940	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
	101 – Spencer Barber Shop
Springhurst Avenue (65-160)	-All Residential
Trenton Terrace (All)	-All Residential

1934	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Dunn Avenue (70-220)	-All Residential 163-Parkdale United Church  130-Hospital for Incurables
Close Avenue (1-170)	-All Residential 137-41-Holy Family School  100-Queen Victoria School 170 – Parkdale Collegiate
Cowan Avenue (25-145)	-All Residential 61-Parkdale Cab

1934	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
	145-Parkdale Lawn Bowling Club
Jameson Avenue (85-180)	-All Residential
King Street West (1255-1470)	-All Residential 1302-Parkdale Dahlia Gardens 1336-Dental Office 1372-Holy Family Church  1265 – Drugs 1313-Owl Drug Stores Ltd. 1359-Parkdale United Church 1381-Dental Office
Lake Shore Boulevard West	-No Listings Within Desired Radius
Maynard Avenue (1-15)	-All Residential
Spencer Avenue (20-125)	-All Residential 89 – Brother's of the Christian Schools 99 – Toronto Conservatory of Music 101 – Barber
Springhurst Avenue (65-160)	-All Residential



1934	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Trenton Terrace (All)	-All Residential

1929	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Dunn Avenue (70-220)	-All Residential 163-Parkdale United Church  130-Hospital for Incurables
Close Avenue (1-170)	-All Residential 137-41-Holy Family School 165 – Tor Cons of Music  100-Queen Victoria School 170 – Parkdale Collegiate
Cowan Avenue (25-145)	-All Residential 145-Parkdale Lawn Bowling Club
Jameson Avenue (85-180)	-All Residential

1929	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
King Street West (1255-1470)	-All Residential  1336-Dental Office  1372-Holy Family Church   1265 – Drugs 1313-Owl Drug Stores Ltd. 1359-Parkdale United Church 1363-Dental Office 1441 – Stacey-Crumpton Corset Co
Lake Shore Boulevard West	-No Listings Within Desired Radius
Maynard Avenue (1-15)	-All Residential
Spencer Avenue (20-125)	-All Residential  89 – Brother's of the Christian Schools  101 – Canada French Cleaniterias
Springhurst Avenue (65-160)	-All Residential
Trenton Terrace (All)	-All Residential

1925	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Dunn Avenue (70-220)	-All Residential 163-Parkdale Meth Church  130-Hospital for Incurables
Close Avenue (1-170)	-All Residential 137-41-Holy Family School 165 – Tor Cons of Music  100-Queen Victoria School
Cowan Avenue (25-145)	-All Residential
Jameson Avenue (85-180)	-All Residential
King Street West (1255-1470)	-All Residential 1372-Holy Family Church  1265 – Notter Bros 1313-Owl Drug Stores Ltd. 1359-Parkdale Methodist Church

1925	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
	1363-Dental Office
	1441 – Stacey-Crumpton Corset Co
Lake Shore Boulevard West	-No Listings Within Desired Radius
Maynard Avenue (1-15)	-All Residential
Spencer Avenue (20-125)	-All Residential
	89 – Christian Brothers
	99 – Druggist
Springhurst Avenue (65-160)	-All Residential
Trenton Terrace (All)	-All Residential

1919	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Dunn Avenue (70-220)	-All Residential
	163-Parkdale Meth Church
	130-Hospital for Incurables

1919	
Project Number: WSP Justin Site Address: 150 Dunn Avenue, Toronto, Ontario	
Close Avenue (1-170)	-All Residential  119 – Elm Villa Home for Aged People  137-41-Holy Family School  100-Queen Victoria School
Cowan Avenue (25-145)	-All Residential
Jameson Avenue (85-180)	-All Residential
King Street West (1255-1470)	-All Residential  1310-Parkdale Lawn Bowling Club  1372-Holy Family Church  1313-Drugs  1363-Dental Office
Lake Shore Boulevard West	-No Listings Within Desired Radius
Maynard Avenue (1-15)	-All Residential
Spencer Avenue (20-125)	-All Residential

1919	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Springhurst Avenue (65-160)	-All Residential
Trenton Terrace (All)	-All Residential

1914	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Dunn Avenue (70-220)	-All Residential 163-Parkdale Meth Church  70 – Kelly Pub Co 130-Hospital for Incurables
Close Avenue (1-170)	-All Residential 137-41-Holy Family School  ** - Queen Victoria School
Cowan Avenue (25-145)	-All Residential 97 – Weston & Co
Jameson Avenue (85-180)	-All Residential



1914	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
King Street West (1255-1470)	-All Residential  1302-Parkdale Lawn Bowling Club  1372-Holy Family Church  1392-Canadian Travel Club  -Jamacia Tourist Assn   1313-Drugs  ** - Parkdale Meth Church
Lake Shore Boulevard West	-No Listings Within Desired Radius
Maynard Avenue (1-15)	-All Residential
Spencer Avenue (20-125)	-All Residential
Springhurst Avenue (65-160)	-All Residential
Trenton Terrace (All)	-All Residential

1907	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Site Listing:	-Address Not Listed
Adjacent Properties:	

1907	
Project Number: WSP Justin Site Address: 150 Dunn Avenue, Toronto, Ontario	
Dunn Avenue (70-220)	-All Residential  151-Parkdale Meth Church  70 – Kelly Pub Co 130-Hospital for Incurables
Close Avenue (1-170)	-All Residential  137-41-Holy Family School  ** – Queen Victoria School
Cowan Avenue (25-145)	-All Residential
Jameson Avenue (85-180)	-All Residential
King Street West (1255-1470)	-All Residential  1372-Church of the Holy Family  ** - C P R Tel -Can Bge Transfer Co ** - Parkdale Meth Church
Lake Shore Boulevard West	-No Listings Within Desired Radius

1907	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Maynard Avenue (1-15)	-All Residential
Spencer Avenue (20-125)	-All Residential
Springhurst Avenue (65-160)	-All Residential
Trenton Terrace (All)	-All Residential

1900	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Dunn Avenue (70-220)	-All Residential ** - Parkdale Meth Church 130-Hospital for Incurables
Close Avenue (1-170)	-All Residential ** - Home for Incurables ** - Parkdale Rink ** - Queen Victoria School

1900	
Project Number: WSP Justin	
Site Address: 150 Dunn Avenue, Toronto, Ontario	
	170 – Collegiate Institute
Cowan Avenue (25-145)	-All Residential
Jameson Avenue (85-180)	-All Residential
King Street West (1255-1470)	-All Residential 1265 – Vacant Store **- Parkdal
Lake Shore Boulevard West	-No Listings Within Desired Radius
Maynard Avenue (1-15)	-All Residential
Spencer Avenue (20-125)	-All Residential
Springhurst Avenue (65-160)	-All Residential
Trenton Terrace (All)	-All Residential

**\*\*Due to unforeseen circumstances resulting from the Covid-19 pandemic of 2020, access to information sources has been prohibited. While all additional measures were undertaken in order to provide accurate information where possible, some project searches yielded no results.\*\***

## APPENDIX

### **A-3** *ERIS REPORT*

ERIS

ENVIRONMENTAL RISK INFORMATION SERVICES



## DATABASE REPORT

**Project Property:** 150 Dunn Ave  
150 Dunn Ave  
Toronto ON M6K 2R6  
**Project No:** 17M-01905-76  
**Report Type:** Standard Report  
**Order No:** 20312500014  
**Requested by:** WSP Canada Group Limited  
**Date Completed:** November 30, 2020

**Environmental Risk Information Services**  
A division of Glacier Media Inc.  
1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)



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## Executive Summary

### Property Information:

Project Property:	150 Dunn Ave 150 Dunn Ave Toronto ON M6K 2R6
Project No:	17M-01905-76
Coordinates:	
Latitude:	43.6344785
Longitude:	-79.4326655
UTM Northing:	4,832,673.57
UTM Easting:	626,365.22
UTM Zone:	17T
Elevation:	304 FT 92.74 M

### Order Information:

Order No:	20312500014
Date Requested:	November 25, 2020
Requested by:	WSP Canada Group Limited
Report Type:	Standard Report

### Historical/Products:

## Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	14	14
CA	Certificates of Approval	Y	0	3	3
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	2	2
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	1	1
ECA	Environmental Compliance Approval	Y	0	2	2
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	12	13
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOET	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	2	2
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	47	47
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	5	5

Database	Name	Searched	Project Property	Within 0.25 km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	2	2
LMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSR	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defense & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	6	6
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	6	6
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	14	14
PINC	Pipeline Incidents	Y	0	2	2
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	3	3
SPL	Ontario Spills	Y	0	11	11
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	14	14
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	1	1
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	2	2
Total:			1	149	150

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
†	EHS		150 Dunn Avenue Toronto ON M6K 2R6	WSW/0.0	0.09	38



## Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<a href="#">2</a>	BORE		ON	SSW/62.7	-0.90	<a href="#">38</a>
<a href="#">3</a>	TANK	Peaker [C]	162 Dunn Ave Toronto ON M6K 2R6	NNW/70.2	0.10	<a href="#">39</a>
<a href="#">4</a>	BORE		ON	S/91.4	-1.04	<a href="#">39</a>
<a href="#">5</a>	TANK	Jackson James H	109 Close Ave Toronto ON M6K 2V2	WNW/100.9	0.10	<a href="#">41</a>
<a href="#">6</a>	BORE		ON	SE/101.6	-0.90	<a href="#">41</a>
<a href="#">7</a>	TANK	Bruce George	157 Dunn Ave Toronto ON M6K 2R8	NE/103.2	1.10	<a href="#">43</a>
<a href="#">7</a>	EHS		157 Dunn Ave Toronto ON M6K2R8	NE/103.2	1.10	<a href="#">43</a>
<a href="#">8</a>	TANK	Arthur E J	159 Dunn Ave Toronto ON M6K 2R8	NE/103.9	1.10	<a href="#">43</a>
<a href="#">9</a>	BORE		ON	WNW/111.9	0.10	<a href="#">43</a>
<a href="#">10</a>	SPL	Enbridge Energy Distribution Inc.	119 Close Avenue Toronto ON	NW/113.0	0.10	<a href="#">44</a>
<a href="#">10</a>	PINC	ENBRIDGE GAS INC	119 CLOSE AVE, TORONTO, ON, M6K 2V2, CA ON	NW/113.0	0.10	<a href="#">45</a>
<a href="#">11</a>	SCT	WILLIAM G MONTGOMERY LIMITED	139 DUNN AVE TORONTO ON M6K 2R8	E/116.6	0.10	<a href="#">45</a>



Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<a href="#">12</a>	SPL	TORONTO HYDRO	POLE #30, 88 COWAN AVE., DUFFERIN & QUEEN AREA, TRANSFORMER TORONTO CITY ON M6K 2N4	ENE/117.4	0.74	<a href="#">46</a>
<a href="#">13</a>	BORE		ON	SSE/124.4	-1.25	<a href="#">46</a>
<a href="#">14</a>	BORE		ON	SSW/128.3	-1.98	<a href="#">48</a>
<a href="#">15</a>	SPL	Enbridge Gas Distribution Inc.	131 Dunn Ave Toronto ON	ESE/131.9	0.10	<a href="#">50</a>
<a href="#">15</a>	INC		131 DUNN AVENUE, TORONTO ON	ESE/131.9	0.10	<a href="#">51</a>
<a href="#">16</a>	TANK	Terry (William)	121 Close Ave Toronto ON M6K 2V2	NW/140.2	0.10	<a href="#">51</a>
<a href="#">17</a>	BORE		ON	W/140.5	-0.90	<a href="#">51</a>
<a href="#">18</a>	BORE		ON	SE/148.0	-0.90	<a href="#">53</a>
<a href="#">19</a>	SPL	TRANSPORT TRUCK	130 DUNN AVENUE MOTOR VEHICLE (OPERATING FLUID) TORONTO CITY ON M6K 2R7	SSE/148.4	-1.83	<a href="#">55</a>
<a href="#">19</a>	GEN	QUEEN ELIZABETH HOSPITAL	C/O 550 UNIVERSITY AVENUE 130 DUNN AVENUE TORONTO ON M6K 2R7	SSE/148.4	-1.83	<a href="#">55</a>
<a href="#">19</a>	GEN	QUEEN ELIZABETH HOSPITAL	130 DUNN AVENUE C/O 550 UNIVERSITY AVE TORONTO ON M6K 2R7	SSE/148.4	-1.83	<a href="#">56</a>
<a href="#">19</a>	GEN	QUEEN ELIZABETH HOSPITAL 32-032	130 DUNN AVENUE C/O 550 UNIVERSITY AVE TORONTO ON M6K 2R7	SSE/148.4	-1.83	<a href="#">56</a>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<a href="#">19</a>	GEN	QUEEN ELIZABETH HOS(SEE & USE ON2233601)	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE/148.4	-1.83	<a href="#">56</a>
<a href="#">19</a>	GEN	REHABILITATION INSTITUTE OF TORONTO	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE/148.4	-1.83	<a href="#">57</a>
<a href="#">19</a>	GEN	TORONTO REHABILITATION INSTITUTE	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE/148.4	-1.83	<a href="#">57</a>
<a href="#">19</a>	GEN	TORONTO REHABILITATION INSTITUTE	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE/148.4	-1.83	<a href="#">58</a>
<a href="#">19</a>	GEN	Dunn FAST Centre	130 Dunn Ave S213-215 Toronto ON M6K 2R7	SSE/148.4	-1.83	<a href="#">58</a>
<a href="#">19</a>	GEN	TORONTO REHABILITATION INSTITUTE	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE/148.4	-1.83	<a href="#">58</a>
<a href="#">19</a>	GEN	Dunn FAST Centre	130 Dunn Ave S213-215 Toronto ON M6K 2R7	SSE/148.4	-1.83	<a href="#">59</a>
<a href="#">19</a>	GEN	University Health Network	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE/148.4	-1.83	<a href="#">59</a>
<a href="#">19</a>	GEN	University Health Network	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE/148.4	-1.83	<a href="#">60</a>
<a href="#">19</a>	GEN	Dunn FAST Centre	130 Dunn Ave S213-215 Toronto ON M6K 2R7	SSE/148.4	-1.83	<a href="#">60</a>
<a href="#">19</a>	GEN	University Health Network	130 DUNN AVENUE TORONTO ON	SSE/148.4	-1.83	<a href="#">60</a>
<a href="#">19</a>	GEN	Dunn FAST Centre	130 Dunn Ave S213-215 Toronto ON	SSE/148.4	-1.83	<a href="#">61</a>
<a href="#">19</a>	CFOT	UNIVERSITY HEALTH NETWORK	130 DUNN AVE TORONTO M6K 2R7 ON CA ON	SSE/148.4	-1.83	<a href="#">61</a>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<a href="#">19</a>	CFOT	UNIVERSITY HEALTH NETWORK	130 DUNN AVE TORONTO M6K 2R7 ON CA ON	SSE/148.4	-1.83	<a href="#">62</a>
<a href="#">19</a>	EBR	University Health Network	130 Dunn Avenue Toronto M6K 2R7 CITY OF TORONTO ON	SSE/148.4	-1.83	<a href="#">62</a>
<a href="#">19</a>	ECA	University Health Network	130 Dunn Ave Toronto ON M6K 2R7	SSE/148.4	-1.83	<a href="#">63</a>
<a href="#">19</a>	GEN	University Health Network	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE/148.4	-1.83	<a href="#">63</a>
<a href="#">19</a>	GEN	Dunn FAST Centre	130 Dunn Ave S213-215 Toronto ON M6K2R7	SSE/148.4	-1.83	<a href="#">63</a>
<a href="#">19</a>	GEN	Dunn Nursing Clinic	130 Dunn Ave S213-215 Toronto ON M6K2R7	SSE/148.4	-1.83	<a href="#">64</a>
<a href="#">19</a>	GEN	University Health Network	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE/148.4	-1.83	<a href="#">64</a>
<a href="#">19</a>	GEN	University Health Network	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE/148.4	-1.83	<a href="#">64</a>
<a href="#">19</a>	GEN	Dunn FAST Centre	130 Dunn Ave S213-215 Toronto ON M6K2R7	SSE/148.4	-1.83	<a href="#">65</a>
<a href="#">19</a>	GEN	Dunn Nursing Clinic	130 Dunn Ave S213-215 Toronto ON M6K2R7	SSE/148.4	-1.83	<a href="#">65</a>
<a href="#">19</a>	GEN	University Health Network E.W. Bickle Centre	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE/148.4	-1.83	<a href="#">65</a>
<a href="#">19</a>	GEN	University Health Network E.W. Bickle Centre	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE/148.4	-1.83	<a href="#">66</a>
<a href="#">19</a>	FST	UNIVERSITY HEALTH NETWORK	130 DUNN AVE TORONTO M6K 2R7 ON CA ON	SSE/148.4	-1.83	<a href="#">66</a>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<a href="#">19</a>	FST	UNIVERSITY HEALTH NETWORK	130 DUNN AVE TORONTO M6K 2R7 ON CA ON	SSE/148.4	-1.83	<a href="#">67</a>
<a href="#">20</a>	SPL		109 Jameson Avenue Toronto ON	WSW/152.4	-0.90	<a href="#">67</a>
<a href="#">21</a>	EHS		182 Dunn Avenue Toronto ON M6K 2R9	N/155.9	1.10	<a href="#">68</a>
<a href="#">22</a>	EHS		94 Cowan Avenue Toronto ON M6K 2N4	ENE/156.3	1.10	<a href="#">68</a>
<a href="#">23</a>	CA	TORONTO CITY	KING ST W/DUNN AVE (S97-20) TORONTO CITY ON	N/158.2	1.21	<a href="#">68</a>
<a href="#">24</a>	EHS		95 Jameson Ave Toronto On Toronto ON	WSW/158.6	-0.90	<a href="#">68</a>
<a href="#">25</a>	NPCB	BOARD OF EDUCATION FOR CITY OF TORONTO	QUEEN VICTORIA: 100 CLOSE AVE, TORONTO ON M6K 2V3	W/165.2	-0.90	<a href="#">68</a>
<a href="#">25</a>	SPL	CONSUMERS' GAS CO. LTD. THE	100 CLOSE STREET NATURAL GAS PIPELINE TORONTO CITY ON M6K 2V3	W/165.2	-0.90	<a href="#">69</a>
<a href="#">25</a>	GEN	TORONTO BOARD OF EDUCATION	QUEEN VICTORIA P.S. 100 CLOSE AVENUE TORONTO ON M6K 2V3	W/165.2	-0.90	<a href="#">69</a>
<a href="#">25</a>	GEN	TORONTO BOARD OF EDUCATION 38-427	QUEEN VICTORIA P.S. 100 CLOSE AVENUE TORONTO ON M6K 2V3	W/165.2	-0.90	<a href="#">69</a>
<a href="#">25</a>	GEN	TORONTO DISTRICT SCHOOL BOARD	QUEEN VICTORIA PS 100 CLOSE AVENUE TORONTO ON M6K 2V3	W/165.2	-0.90	<a href="#">70</a>
<a href="#">25</a>	NPCB	BOARD OF EDUCATION FOR CITY OF TORONTO	100 CLOSE AVE. QUEEN VICTORIA Toronto ON M6K 2V3	W/165.2	-0.90	<a href="#">70</a>
<a href="#">25</a>	NPCB	BOARD OF EDUCATION FOR CITY OF TORONTO	100 CLOSE AVE QUEEN VICTORIA TORONTO ON M6K 2V3	W/165.2	-0.90	<a href="#">71</a>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<a href="#">25</a>	GEN	TORONTO DISTRICT SCHOOL BOARD	QUEEN VICTORIA JPS 100 CLOSE AVE. TORONTO ON M6K 2V3	W/165.2	-0.90	<a href="#">72</a>
<a href="#">25</a>	GEN	TORONTO DISTRICT SCHOOL BOARD	QUEEN VICTORIA JPS 100 CLOSE AVE. TORONTO ON M6K 2V3	W/165.2	-0.90	<a href="#">72</a>
<a href="#">25</a>	GEN	TORONTO DISTRICT SCHOOL BOARD	QUEEN VICTORIA JPS 100 CLOSE AVE. TORONTO ON M6K 2V3	W/165.2	-0.90	<a href="#">72</a>
<a href="#">26</a>	GEN	Oratory of St. Philip Neri	1362 King Street West Toronto ON M6K 1H3	NNW/174.8	1.10	<a href="#">73</a>
<a href="#">27</a>	BORE		ON	NE/176.0	1.10	<a href="#">73</a>
<a href="#">28</a>	HINC		194 DUNN AVENUE TORONTO ON M6K 2R9	N/185.8	1.49	<a href="#">75</a>
<a href="#">28</a>	HINC		194 DUNN AVENUE TORONTO ON M6K 2R9	N/185.8	1.49	<a href="#">75</a>
<a href="#">29</a>	EHS		87 & 91 Jameson Avenue Toronto ON	SW/186.8	-1.86	<a href="#">76</a>
<a href="#">30</a>	TANK	Smellie [John J.]	105 Dunn Ave Toronto ON M6K 2R8	SE/194.5	-1.65	<a href="#">76</a>
<a href="#">31</a>	SCT	Jayn Simpson	101 Cowan Ave Unit 5 Toronto ON M6K 2N1	ENE/197.8	0.27	<a href="#">76</a>
<a href="#">32</a>	CA	DAMIS PROPERTIES INC.	87 JAMESON AVENUE TORONTO CITY ON M6K 2W8	SW/199.5	-1.85	<a href="#">76</a>
<a href="#">32</a>	SPL	Dufferin Concrete<UNOFFICIAL>	87 Jameson Street, north of Gardiner<UNOFFICIAL> Toronto ON	SW/199.5	-1.85	<a href="#">77</a>
<a href="#">33</a>	BORE		ON	S/201.1	-1.90	<a href="#">77</a>



Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<a href="#">34</a>	SPL	PRIVATE RESIDENCE	124 CLOSE AVENUE, FURNACE OIL TANK TORONTO CITY ON M6K 2V5	NW/206.6	1.10	<a href="#">79</a>
<a href="#">35</a>	EHS		120 Jameson Avenue Toronto ON M6K 2Y1	W/210.1	-0.90	<a href="#">79</a>
<a href="#">35</a>	EHS		120 Jameson Avenue Toronto ON M6K 2Y1	W/210.1	-0.90	<a href="#">79</a>
<a href="#">36</a>	WWIS		1355 KING ST. WEST TORONTO ON Well ID: 8829123	NNE/211.2	2.10	<a href="#">80</a>
<a href="#">37</a>	WWIS		ON Well ID: 8905501	ENE/211.9	1.10	<a href="#">82</a>
<a href="#">38</a>	GEN	KEEWATIN PROPERTY MANAGEMENT CORP.	22 CLOSE AVE TORONTO ON M6K 2V4	SSW/212.6	-1.80	<a href="#">84</a>
<a href="#">39</a>	GEN	Toronto Catholic District School Board	141 Close Avenue Toronto ON M6K 2V6	NNW/215.1	1.10	<a href="#">84</a>
<a href="#">39</a>	GEN	Toronto Catholic District School Board	141 Close Avenue Toronto ON M6K 2V6	NNW/215.1	1.10	<a href="#">85</a>
<a href="#">39</a>	GEN	Toronto Catholic District School Board	141 Close Avenue Toronto ON M6K 2V6	NNW/215.1	1.10	<a href="#">85</a>
<a href="#">39</a>	GEN	Toronto Catholic District School Board	141 Close Avenue Toronto ON M6K 2V6	NNW/215.1	1.10	<a href="#">85</a>
<a href="#">39</a>	GEN	Toronto Catholic District School Board	141 Close Avenue Toronto ON M6K 2V6	NNW/215.1	1.10	<a href="#">86</a>
<a href="#">39</a>	GEN	Toronto Catholic District School Board	141 Close Avenue Toronto ON M6K 2V6	NNW/215.1	1.10	<a href="#">86</a>
<a href="#">40</a>	EHS		140 - 146 JAMESON AVENUE TORONTO ON M6K 2X5	W/216.5	0.10	<a href="#">86</a>



Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<a href="#">41</a>	SCT	Associated Flooring Services	97 Dunn Ave Toronto ON M6K 2R8	SE/220.9	-1.87	<a href="#">87</a>
<a href="#">42</a>	TANK	Lennox Isaac	90 Spencer Ave Toronto ON M6K 2J6	E/221.9	0.10	<a href="#">87</a>
<a href="#">43</a>	TANK	Tutthill (R)	1313 King St W Toronto ON M6K 1G9	NE/222.1	1.76	<a href="#">87</a>
<a href="#">44</a>	TANK	Becker H	1330 King St W Toronto ON M6K 1H1	NNE/222.4	2.10	<a href="#">87</a>
<a href="#">45</a>	NPCB	FIRST STEP NON-PROFIT HOMES	149 JAMESON AVENUE TORONTO ON M6K 2Y3	WNW/223.3	0.10	<a href="#">88</a>
<a href="#">45</a>	OPCB	Ecuhome Corporation	149 JAMESON AVENUE TORONTO ON M6K 2Y3	WNW/223.3	0.10	<a href="#">88</a>
<a href="#">45</a>	OPCB	Ecuhome Corporation	149 JAMESON AVENUE TORONTO ON M6K 2Y3	WNW/223.3	0.10	<a href="#">88</a>
<a href="#">45</a>	OPCB	Ecuhome Corporation	149 JAMESON AVENUE TORONTO ON M6K 2Y3	WNW/223.3	0.10	<a href="#">88</a>
<a href="#">45</a>	OPCB	Ecuhome Corporation	149 JAMESON AVENUE TORONTO ON M6K 2Y3	WNW/223.3	0.10	<a href="#">88</a>
<a href="#">45</a>	OPCB	Ecuhome Corporation	149 JAMESON AVENUE TORONTO ON M6K 2Y3	WNW/223.3	0.10	<a href="#">89</a>
<a href="#">45</a>	OPCB	FIRST STEP NON-PROFIT HOMES	149 JAMESON AVENUE TORONTO ON M6K 2Y3	WNW/223.3	0.10	<a href="#">89</a>
<a href="#">45</a>	OPCB	Ecuhome Corporation	149 JAMESON AVENUE TORONTO ON M6K 2Y3	WNW/223.3	0.10	<a href="#">89</a>
<a href="#">45</a>	NPCB	ECUHOME CORPORATION	149 JAMESON AVENUE TORONTO ON M6K 2Y3	WNW/223.3	0.10	<a href="#">89</a>
<a href="#">45</a>	NPCB	ECUHOME CORPORATION	149 JAMESON AVENUE TORONTO ON M6K 2Y3	WNW/223.3	0.10	<a href="#">89</a>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<a href="#">46</a>	SPL		95 Dunn Avenue<UNOFFICIAL> Toronto ON M6K 2R8	SE/228.5	-1.87	<a href="#">90</a>
<a href="#">46</a>	PINC		95 Dunn Avenue, Toronto ON M6K 2R8	SE/228.5	-1.87	<a href="#">90</a>
<a href="#">47</a>	BORE		ON	SSW/229.4	-3.19	<a href="#">91</a>
<a href="#">48</a>	SPL	City of Toronto	King St W and Jameson Ave. (North East corner) Toronto ON	WNW/230.5	0.10	<a href="#">92</a>
<a href="#">49</a>	HINC		100 JAMESON AVENUE TORONTO ON	WSW/235.4	-0.93	<a href="#">92</a>
<a href="#">50</a>	PES	913141 ONTARIO LIMITED O/A BOB'S NO FRILLS	1435 KING STREET WEST TORONTO ON M6K 1H9	WNW/237.8	0.10	<a href="#">93</a>
<a href="#">50</a>	PES	1666419 ONTARIO LIMITED O/A JOSEPH'S NO FRILLS	1435 KING ST W TORONTO ON M6K 1H9	WNW/237.8	0.10	<a href="#">93</a>
<a href="#">50</a>	PES	LOBLAWS INC O/A NOFRILLS #1358	1435 KING ST W TORONTO ON M6K 1H9	WNW/237.8	0.10	<a href="#">94</a>
<a href="#">50</a>	PES	LOBLAWS INC O/A NO FRILLS #3917	1435 KING ST TORONTO ON M6K1H9	WNW/237.8	0.10	<a href="#">94</a>
<a href="#">50</a>	PES	1666419 ONTARIO LIMITED O/A JOSEPH'S NO FRILLS	1435 KING ST W TORONTO ON M6K 1H9	WNW/237.8	0.10	<a href="#">94</a>
<a href="#">50</a>	PES	2233007 ONTARIO LIMITED O/A PAOLO'S NO FRILLS	1435 KING ST TORONTO ON M6K1M9	WNW/237.8	0.10	<a href="#">95</a>
<a href="#">51</a>	PES	1235234 ONTARIO LIMITED	1435 KING ST W TORONTO ON M6K1H9	WNW/237.9	0.10	<a href="#">95</a>
<a href="#">51</a>	PES	2337649 ONTARIO LIMITED O/A VI'S NO FRILLS	1435 KING ST W TORONTO ON M6K1H9	WNW/237.9	0.10	<a href="#">95</a>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<a href="#">51</a>	PES	1181572 ONTARIO LIMITED	1435 KING STREET WEST TORONTO ON M6K1H9	WNW/237.9	0.10	<a href="#">96</a>
<a href="#">51</a>	PES	LOBLAWS INC O/A NO FRILLS #3917	1435 KING ST TORONTO ON M6K1H9	WNW/237.9	0.10	<a href="#">96</a>
<a href="#">51</a>	PES	LOBLAWS INC O/A NOFRILLS #1358	1435 KING ST W TORONTO ON M6K1M9	WNW/237.9	0.10	<a href="#">97</a>
<a href="#">51</a>	PES	1666419 ONTARIO LIMITED O/A JOSEPH'S NO FRILLS	1435 KING ST W TORONTO ON M6K1H9	WNW/237.9	0.10	<a href="#">97</a>
<a href="#">51</a>	PES	2233007 ONTARIO LIMITED O/A PAOLO'S NO FRILLS	1435 KING ST TORONTO ON M6K1M9	WNW/237.9	0.10	<a href="#">97</a>
<a href="#">51</a>	PES	1235234 ONTARIO LIMITED	1435 KING ST W TORONTO ON M6K1H9	WNW/237.9	0.10	<a href="#">98</a>
<a href="#">52</a>	EHS		87-91 JAMESON AVENUE TORONTO ON M6K 2W9	SSW/238.1	-3.21	<a href="#">98</a>
<a href="#">52</a>	SPL	Enbridge Gas Distribution	79 Jamieson ave Toronto ON	SSW/238.1	-3.21	<a href="#">98</a>
<a href="#">52</a>	CA	6307663 Canada Corporation	79 Jameson Ave Toronto ON M6K 2W7	SSW/238.1	-3.21	<a href="#">99</a>
<a href="#">52</a>	INC		79 JAMESON AVENUE, TORONTO ON	SSW/238.1	-3.21	<a href="#">99</a>
<a href="#">52</a>	ECA	6307663 Canada Corporation	79 Jameson Ave Toronto ON M6K 2W7	SSW/238.1	-3.21	<a href="#">100</a>
<a href="#">53</a>	EHS		116 Spencer Ave Toronto ON M6K2J6	ENE/238.4	1.10	<a href="#">100</a>
<a href="#">54</a>	TANK	Brown H J	148 Springhurst Ave Toronto ON M6K 1C1	W/239.2	-0.90	<a href="#">100</a>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<a href="#">55</a>	EHS		96 JAMESON AVENUE TORONTO ON M6K 2X7	SW/239.7	-1.88	<a href="#">101</a>
<a href="#">56</a>	TANK		114 Spencer Ave Toronto ON M6K 2J6	ENE/239.7	1.10	<a href="#">101</a>
<a href="#">57</a>	BORE		ON	NNW/241.2	1.34	<a href="#">101</a>
<a href="#">58</a>	BORE		ON	S/241.5	-4.36	<a href="#">102</a>
<a href="#">59</a>	BORE		ON	NNW/242.9	1.76	<a href="#">104</a>
<a href="#">60</a>	TANK		134 Springhurst Ave Toronto ON M6K 1C1	WSW/244.9	-1.12	<a href="#">105</a>
<a href="#">61</a>	EHS		157 Jameson Ave Toronto ON M6K 2Y4	WNW/245.1	0.64	<a href="#">105</a>
<a href="#">62</a>	HINC		90 JAMESON AVENUE TORONTO ON	SW/246.3	-2.90	<a href="#">105</a>
<a href="#">63</a>	GEN	1173283 Ontario Ltd	1430 King Street West Toronto ON M6K 1H8	WNW/246.7	0.10	<a href="#">106</a>
<a href="#">63</a>	VAR	BRILAND DEVELOPMENT	1430 KING ST W., TORONTO, ON, M6K 1H8, CA ON	WNW/246.7	0.10	<a href="#">106</a>
<a href="#">63</a>	GEN	1173283 ontario ltd	1430 kings st. west toronto ON	WNW/246.7	0.10	<a href="#">106</a>
<a href="#">63</a>	GEN	1173283 Ontario Ltd.	1430 King St. W. Toronto ON	WNW/246.7	0.10	<a href="#">107</a>
<a href="#">64</a>	HINC		66 SPENCER AVENUE TORONTO ON M6K 2J6	E/246.7	-0.90	<a href="#">107</a>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<a href="#">65</a>	TANK	Patterson (P S)	140 Springhurst Ave Toronto ON M6K 1C1	WSW/247.1	-0.99	<a href="#">107</a>
<a href="#">66</a>	GEN	TAYLOR'S DRIVE-IN CLEANERS	1439 KING ST WEST TORONTO ON M6K 1H9	W/247.3	0.10	<a href="#">108</a>
<a href="#">66</a>	GEN	TAYLOR'S DRIVE-IN CLEANERS	1439 KING ST. WEST TORONTO ON M6K 1H9	W/247.3	0.10	<a href="#">108</a>
<a href="#">66</a>	GEN	TAYLOR'S DRIVE-IN CLEANERS 37-019	1439 KING ST. WEST TORONTO ON M6K 1H9	W/247.3	0.10	<a href="#">108</a>
<a href="#">66</a>	GEN	TAYLOR'S DRIVE-IN CLEANERS	1439 KING STREET WEST TORONTO ON M6K 1H9	W/247.3	0.10	<a href="#">108</a>
<a href="#">67</a>	GEN	Toronto Catholic District School Board	141 Close Avenue Toronto ON	NNW/249.5	2.10	<a href="#">109</a>
<a href="#">67</a>	GEN	Toronto Catholic District School Board	141 Close Avenue Toronto ON	NNW/249.5	2.10	<a href="#">109</a>
<a href="#">68</a>	TANK	East H M	196 Dunn Ave Toronto ON M6K 2R9	NNW/249.8	2.10	<a href="#">109</a>

## Executive Summary: Summary By Data Source

### BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 14 BORE 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>
	ON	WNW	111.93	<u>9</u>
	ON	NE	175.98	<u>27</u>
	ON	NNW	241.21	<u>57</u>
	ON	NNW	242.91	<u>59</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	SSW	62.74	<u>2</u>
	ON	S	91.41	<u>4</u>
	ON	SE	101.63	<u>6</u>
	ON	SSE	124.36	<u>13</u>
	ON	SSW	128.32	<u>14</u>



ON	W	140.55	17
ON	SE	148.03	18
ON	S	201.07	33
ON	SSW	229.36	47
ON	S	241.63	58

#### 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>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
TORONTO CITY	KING ST.W/DUNN AVE. (S97-20) TORONTO CITY ON	N	158.21	23

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
DAMIS PROPERTIES INC.	87 JAMESON AVENUE TORONTO CITY ON M6K 2W8	SW	199.52	32

6307683 Canada Corporation	79 Jameson Ave Toronto ON M6K 2W7	SSW	238.12	52
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#### CFOT - Commercial Fuel Oil Tanks

A search of the CFOT database, dated Jul 31, 2020 has found that there are 2 CFOT 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>
UNIVERSITY HEALTH NETWORK	130 DUNN AVE TORONTO M6K 2R7 ON CA ON	SSE	148.35	<a href="#">19</a>
UNIVERSITY HEALTH NETWORK	130 DUNN AVE TORONTO M6K 2R7 ON CA ON	SSE	148.35	<a href="#">19</a>

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

A search of the EBR database, dated 1994-Oct 31, 2020 has found that there are 1 EBR 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>
University Health Network	130 Dunn Avenue Toronto M6K 2R7 CITY OF TORONTO ON	SSE	148.35	<a href="#">19</a>

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

A search of the ECA database, dated Oct 2011-Oct 31, 2020 has found that there are 2 ECA 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>
University Health Network	130 Dunn Ave Toronto ON M6K 2R7	SSE	148.35	<a href="#">19</a>
6307663 Canada Corporation	79 Jameson Ave Toronto ON M6K 2W7	SSW	238.12	<a href="#">52</a>

#### **EHS - ERIS Historical Searches**

A search of the EHS database, dated 1999-Jul 31, 2020 has found that there are 13 EHS 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>
	150 Dunn Avenue Toronto ON M6K 2R6	WSW	0.00	<a href="#">1</a>
	157 Dunn Ave Toronto ON M6K2R8	NE	103.24	<a href="#">7</a>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	182 Dunn Avenue Toronto ON M6K 2R9	N	155.94	<u>21</u>
	94 Cowan Avenue Toronto ON M6K 2N4	ENE	156.32	<u>22</u>
	140 - 146 JAMESON AVENUE TORONTO ON M6K 2X5	W	216.51	<u>40</u>
	116 Spencer Ave Toronto ON M6K2J6	ENE	238.40	<u>53</u>
	157 Jameson Ave Toronto ON M6K 2Y4	WNW	245.12	<u>61</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	95 Jameson Ave Toronto On Toronto ON	WSW	158.80	<u>24</u>
	87 & 91 Jameson Avenue Toronto ON	SW	186.78	<u>28</u>
	120 Jameson Avenue Toronto ON M6K 2Y1	W	210.11	<u>35</u>
	120 Jameson Avenue Toronto ON M6K 2Y1	W	210.11	<u>35</u>
	87-91 JAMESON AVENUE TORONTO ON M6K 2W9	SSW	238.12	<u>52</u>
	96 JAMESON AVENUE TORONTO ON M6K 2X7	SW	239.65	<u>55</u>

### **FST - Fuel Storage Tank**

A search of the FST database, dated Jul 31, 2020 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>
UNIVERSITY HEALTH NETWORK	130 DUNN AVE TORONTO M6K 2R7 ON CA ON	SSE	148.35	<a href="#">18</a>
UNIVERSITY HEALTH NETWORK	130 DUNN AVE TORONTO M6K 2R7 ON CA ON	SSE	148.35	<a href="#">18</a>

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

A search of the GEN database, dated 1986-Jul 31, 2020 has found that there are 47 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>
Oratory of St. Philip Neri	1362 King Street West Toronto ON M6K 1H3	NNW	174.84	<a href="#">26</a>
Toronto Catholic District School Board	141 Close Avenue Toronto ON M6K 2V6	NNW	215.08	<a href="#">39</a>
Toronto Catholic District School Board	141 Close Avenue Toronto ON M6K 2V6	NNW	215.08	<a href="#">39</a>
Toronto Catholic District School Board	141 Close Avenue Toronto ON M6K 2V6	NNW	215.08	<a href="#">39</a>
Toronto Catholic District School Board	141 Close Avenue Toronto ON M6K 2V6	NNW	215.08	<a href="#">39</a>
Toronto Catholic District School Board	141 Close Avenue Toronto ON M6K 2V6	NNW	215.08	<a href="#">39</a>
Toronto Catholic District School Board	141 Close Avenue Toronto ON M6K 2V6	NNW	215.08	<a href="#">39</a>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
1173283 Ontario Ltd	1430 King Street West Toronto ON M5K 1H8	WNW	246.68	<a href="#">63</a>
1173283 Ontario Ltd	1430 kings st. west Toronto ON	WNW	246.68	<a href="#">63</a>
1173283 Ontario Ltd	1430 King St. W Toronto ON	WNW	246.68	<a href="#">63</a>
TAYLOR'S DRIVE-IN CLEANERS	1439 KING ST WEST TORONTO ON M6K 1H9	W	247.35	<a href="#">66</a>
TAYLOR'S DRIVE-IN CLEANERS	1439 KING ST. WEST TORONTO ON M6K 1H9	W	247.35	<a href="#">66</a>
TAYLOR'S DRIVE-IN CLEANERS 37-019	1439 KING ST. WEST TORONTO ON M6K 1H9	W	247.35	<a href="#">66</a>
TAYLOR'S DRIVE-IN CLEANERS	1439 KING STREET WEST TORONTO ON M6K 1H9	W	247.35	<a href="#">66</a>
Toronto Catholic District School Board	141 Close Avenue Toronto ON	NNW	249.50	<a href="#">67</a>
Toronto Catholic District School Board	141 Close Avenue Toronto ON	NNW	249.50	<a href="#">67</a>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
QUEEN ELIZABETH HOSPITAL	C/O 550 UNIVERSITY AVENUE 130 DUNN AVENUE TORONTO ON M6K 2R7	SSE	148.35	<a href="#">19</a>
QUEEN ELIZABETH HOSPITAL 32-032	130 DUNN AVENUE C/O 550 UNIVERSITY AVE TORONTO ON M6K 2R7	SSE	148.35	<a href="#">19</a>

QUEEN ELIZABETH HOS(SEE & USE ON2233601)	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE	148.35	<u>19</u>
REHABILITATION INSTITUTE OF TORONTO	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE	148.35	<u>19</u>
TORONTO REHABILITATION INSTITUTE	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE	148.35	<u>19</u>
TORONTO REHABILITATION INSTITUTE	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE	148.35	<u>19</u>
Dunn FAST Centre	130 Dunn Ave S213-215 Toronto ON M6K 2R7	SSE	148.35	<u>19</u>
TORONTO REHABILITATION INSTITUTE	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE	148.35	<u>19</u>
Dunn FAST Centre	130 Dunn Ave S213-215 Toronto ON M6K 2R7	SSE	148.35	<u>19</u>
University Health Network	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE	148.35	<u>19</u>
University Health Network	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE	148.35	<u>19</u>
Dunn FAST Centre	130 Dunn Ave S213-215 Toronto ON M6K 2R7	SSE	148.35	<u>19</u>
University Health Network	130 DUNN AVENUE TORONTO ON	SSE	148.35	<u>19</u>
Dunn FAST Centre	130 Dunn Ave S213-215 Toronto ON	SSE	148.35	<u>19</u>
University Health Network	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE	148.35	<u>19</u>



Dunn FAST Centre	130 Dunn Ave S213-215 Toronto ON M6K2R7	SSE	148.35	<u>19</u>
Dunn Nursing Clinic	130 Dunn Ave S213-215 Toronto ON M6K2R7	SSE	148.35	<u>19</u>
University Health Network	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE	148.35	<u>19</u>
University Health Network	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE	148.35	<u>19</u>
Dunn FAST Centre	130 Dunn Ave S213-215 Toronto ON M6K2R7	SSE	148.35	<u>19</u>
Dunn Nursing Clinic	130 Dunn Ave S213-215 Toronto ON M6K2R7	SSE	148.35	<u>19</u>
University Health Network E.W. Bickle Centre	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE	148.35	<u>19</u>
University Health Network E.W. Bickle Centre	130 DUNN AVENUE TORONTO ON M6K 2R7	SSE	148.35	<u>19</u>
QUEEN ELIZABETH HOSPITAL	130 DUNN AVENUE C/O 550 UNIVERSITY AVE TORONTO ON M6K 2R7	SSE	148.35	<u>19</u>
TORONTO BOARD OF EDUCATION	QUEEN VICTORIA P.S. 100 CLOSE AVENUE TORONTO ON M8K 2V3	W	165.21	<u>25</u>
TORONTO BOARD OF EDUCATION 38-427	QUEEN VICTORIA P.S. 100 CLOSE AVENUE TORONTO ON M8K 2V3	W	165.21	<u>25</u>
TORONTO DISTRICT SCHOOL BOARD	QUEEN VICTORIA PS 100 CLOSE AVENUE TORONTO ON M8K 2V3	W	165.21	<u>25</u>

TORONTO DISTRICT SCHOOL BOARD	QUEEN VICTORIA JPS 100 CLOSE AVE TORONTO ON M6K 2V3	W	165.21	<a href="#">25</a>
TORONTO DISTRICT SCHOOL BOARD	QUEEN VICTORIA JPS 100 CLOSE AVE TORONTO ON M6K 2V3	W	165.21	<a href="#">25</a>
TORONTO DISTRICT SCHOOL BOARD	QUEEN VICTORIA JPS 100 CLOSE AVE TORONTO ON M6K 2V3	W	165.21	<a href="#">25</a>
KEEWATIN PROPERTY MANAGEMENT CORP.	22 CLOSE AVE TORONTO ON M6K 2V4	SSW	212.57	<a href="#">38</a>

#### **HINC - TSSA Historic Incidents**

A search of the HINC database, dated 2006-June 2009\* has found that there are 5 HINC 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>
	184 DUNN AVENUE TORONTO ON M6K 2R9	N	185.76	<a href="#">28</a>
	184 DUNN AVENUE TORONTO ON M6K 2R9	N	185.76	<a href="#">28</a>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	100 JAMESON AVENUE TORONTO ON	WSW	235.36	<a href="#">49</a>
	90 JAMESON AVENUE TORONTO ON	SW	246.30	<a href="#">62</a>
	66 SPENCER AVENUE TORONTO ON M6K 2J6	E	246.72	<a href="#">64</a>

#### **INC - Fuel Oil Spills and Leaks**

A search of the INC database, dated Jul 31, 2020 has found that there are 2 INC 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>
	131 DUNN AVENUE, TORONTO ON	ESE	131.92	<a href="#">15</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	79 JAMESON AVENUE, TORONTO ON	SSW	238.12	<a href="#">52</a>

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

A search of the NPCB database, dated 1985-2008\* has found that there are 6 NPCB 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>
ECUHOME CORPORATION	149 JAMESON AVENUE TORONTO ON M6K 2Y3	WNW	223.27	<a href="#">45</a>

FIRST STEP NON-PROFIT HOMES	149 JAMESON AVENUE TORONTO ON M6K 2Y3	WNW	223.27	<a href="#">45</a>
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ECUHOME CORPORATION	149 JAMESON AVENUE TORONTO ON M6K 2Y3	WNW	223.27	<a href="#">45</a>
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<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
BOARD OF EDUCATION FOR CITY OF TORONTO	QUEEN VICTORIA; 100 CLOSE AVE. TORONTO ON M6K 2V3	W	165.21	<a href="#">25</a>

BOARD OF EDUCATION FOR CITY OF TORONTO	100 CLOSE AVE QUEEN VICTORIA Toronto ON M6K 2V3	W	165.21	<a href="#">25</a>
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BOARD OF EDUCATION FOR CITY OF TORONTO	100 CLOSE AVE QUEEN VICTORIA TORONTO ON M6K 2V3	W	165.21	<a href="#">25</a>
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#### OPCB - Inventory of PCB Storage Sites

A search of the OPCB database, dated 1987-Oct 2004, 2012-Dec 2013 has found that there are 6 OPCB 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>
Ecuhome Corporation	149 JAMESON AVENUE TORONTO ON M6K 2Y3	WNW	223.27	<u>45</u>
Ecuhome Corporation	149 JAMESON AVENUE TORONTO ON M6K 2Y3	WNW	223.27	<u>45</u>
Ecuhome Corporation	149 JAMESON AVENUE TORONTO ON M6K 2Y3	WNW	223.27	<u>45</u>
Ecuhome Corporation	149 JAMESON AVENUE TORONTO ON M6K 2Y3	WNW	223.27	<u>45</u>
FIRST STEP NON-PROFIT HOMES	149 JAMESON AVENUE TORONTO ON M6K 2Y3	WNW	223.27	<u>45</u>
Ecuhome Corporation	149 JAMESON AVENUE TORONTO ON M6K 2Y3	WNW	223.27	<u>45</u>

#### PES - Pesticide Register

A search of the PES database, dated Oct 2011-Oct 31, 2020 has found that there are 14 PES 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>
2233007 ONTARIO LIMITED O/A PAOLO'S NO FRILLS	1435 KING ST TORONTO ON M6K 1M9	WNW	237.83	<u>50</u>
913141 ONTARIO LIMITED O/A BOB'S NO FRILLS	1435 KING STREET WEST TORONTO ON M6K 1H9	WNW	237.83	<u>50</u>
1666419 ONTARIO LIMITED O/A JOSEPH'S NO FRILLS	1435 KING ST W TORONTO ON M6K 1H9	WNW	237.83	<u>50</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
LOBLAWS INC O/A NOFRILLS #1358	1435 KING ST W TORONTO ON M6K 1H9	WNW	237.83	<u>50</u>
LOBLAWS INC O/A NO FRILLS #3917	1435 KING ST TORONTO ON M6K1H9	WNW	237.83	<u>50</u>
1666419 ONTARIO LIMITED O/A JOSEPH'S NO FRILLS	1435 KING ST W TORONTO ON M6K 1H9	WNW	237.83	<u>50</u>
2233007 ONTARIO LIMITED O/A PAOLO'S NO FRILLS	1435 KING ST TORONTO ON M6K1M9	WNW	237.88	<u>51</u>
1235234 ONTARIO LIMITED	1435 KING ST W TORONTO ON M6K1H9	WNW	237.88	<u>51</u>
1235234 ONTARIO LIMITED	1435 KING ST W TORONTO ON M6K1H9	WNW	237.88	<u>51</u>
2337649 ONTARIO LIMITED O/A VI'S NO FRILLS	1435 KING ST W TORONTO ON M6K1H9	WNW	237.88	<u>51</u>
1181572 ONTARIO LIMITED	1435 KING STREET WEST TORONTO ON M6K1H9	WNW	237.88	<u>51</u>
LOBLAWS INC O/A NO FRILLS #3917	1435 KING ST TORONTO ON M6K1H9	WNW	237.88	<u>51</u>
LOBLAWS INC O/A NOFRILLS #1358	1435 KING ST W TORONTO ON M6K1M9	WNW	237.88	<u>51</u>
1666419 ONTARIO LIMITED O/A JOSEPH'S NO FRILLS	1435 KING ST W TORONTO ON M6K1H9	WNW	237.88	<u>51</u>

#### **PINC - Pipeline Incidents**

A search of the PINC database, dated Oct 31, 2020 has found that there are 2 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>
ENBRIDGE GAS INC	119 CLOSE AVE., TORONTO, ON, M6K 2V2, CA ON	NW	112.96	10

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	95 Dunn Avenue, Toronto ON M6K 2R8	SE	228.54	46

#### **SCT - Scott's Manufacturing Directory**

A search of the SCT database, dated 1982-Mar 2011\* has found that there are 3 SCT 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>
WILLIAM G MONTGOMERY LIMITED	139 DUNN AVE TORONTO ON M6K 2R8	E	116.61	11

Jayn Simpson	101 Cowan Ave Unit 5 Toronto ON M6K 2N1	ENE	197.61	31
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<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Associated Flooring Services	97 Dunn Ave Toronto ON M6K 2R8	SE	220.86	41

#### **SPL - Ontario Spills**

A search of the SPL database, dated 1988-Nov 2019 has found that there are 11 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>
Enbridge Energy Distribution Inc.	119 Close Avenue Toronto ON	NW	112.96	10

TORONTO HYDRO	POLE #30, 38 COWAN AVE., DUFFERIN & QUEEN AREA TRANSFORMER TORONTO CITY ON M6K 2N4	ENE	117.45	12
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<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Enbridge Gas Distribution Inc.	131 Dunn Ave Toronto ON	ESE	131.92	<u>15</u>
PRIVATE RESIDENCE	124 CLOSE AVENUE, FURNACE OIL TANK TORONTO CITY ON M6K 2V5	NW	206.62	<u>34</u>
City of Toronto	King St W and Jameson Ave, (North East corner) Toronto ON	WNW	230.48	<u>48</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
TRANSPORT TRUCK	130 DUNN AVENUE MOTOR VEHICLE (OPERATING FLUID) TORONTO CITY ON M6K 2R7	SSE	148.35	<u>19</u>
	109 Jameson Avenue Toronto ON	WSW	152.38	<u>20</u>
CONSUMERS GAS CO. LTD. THE	100 CLOSE STREET NATURAL GAS PIPELINE TORONTO CITY ON M6K 2V3	W	165.21	<u>25</u>
Dufferin Concrete<UNOFFICIAL>	87 Jameson Street, north of Gardiner<UNOFFICIAL> Toronto ON	SW	198.52	<u>32</u>
	95 Dunn Avenue<UNOFFICIAL> Toronto ON M6K 2R8	SE	228.54	<u>46</u>
Enbridge Gas Distribution	79 Jameson ave Toronto ON	SSW	238.12	<u>52</u>

#### **TANK - Anderson's Storage Tanks**

A search of the TANK database, dated 1915-1953\* has found that there are 14 TANK 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>
Peaker [C]	162 Dunn Ave Toronto ON M6K 2R6	NNW	70.20	<u>3</u>
Jackson James H	109 Close Ave Toronto ON M6K 2V2	WNW	100.90	<u>5</u>
Bruce George	157 Dunn Ave Toronto ON M6K 2R8	NE	103.24	<u>7</u>
Arthur E J	159 Dunn Ave Toronto ON M6K 2R8	NE	103.94	<u>8</u>
Terry [William]	121 Close Ave Toronto ON M6K 2V2	NW	140.19	<u>16</u>
Lennox Isaac	90 Spencer Ave Toronto ON M6K 2J6	E	221.90	<u>42</u>
Tuttnil [R]	1313 King St W Toronto ON M6K 1G9	NE	222.12	<u>43</u>
Becker H	1330 King St W Toronto ON M6K 1H1	NNE	222.44	<u>44</u>
	114 Spencer Ave Toronto ON M6K 2J6	ENE	239.74	<u>56</u>
East H M	196 Dunn Ave Toronto ON M6K 2R9	NNW	249.76	<u>68</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Smellie [John J]	105 Dunn Ave Toronto ON M6K 2R8	SE	194.46	<u>30</u>

Brown H J	146 Springhurst Ave Toronto ON M6K 1C1	W	239.18	<a href="#">54</a>
	134 Springhurst Ave Toronto ON M6K 1C1	WSW	244.88	<a href="#">60</a>
Patterson [P S]	140 Springhurst Ave Toronto ON M6K 1C1	WSW	247.11	<a href="#">65</a>

#### **VAR - Variances for Abandonment of Underground Storage Tanks**

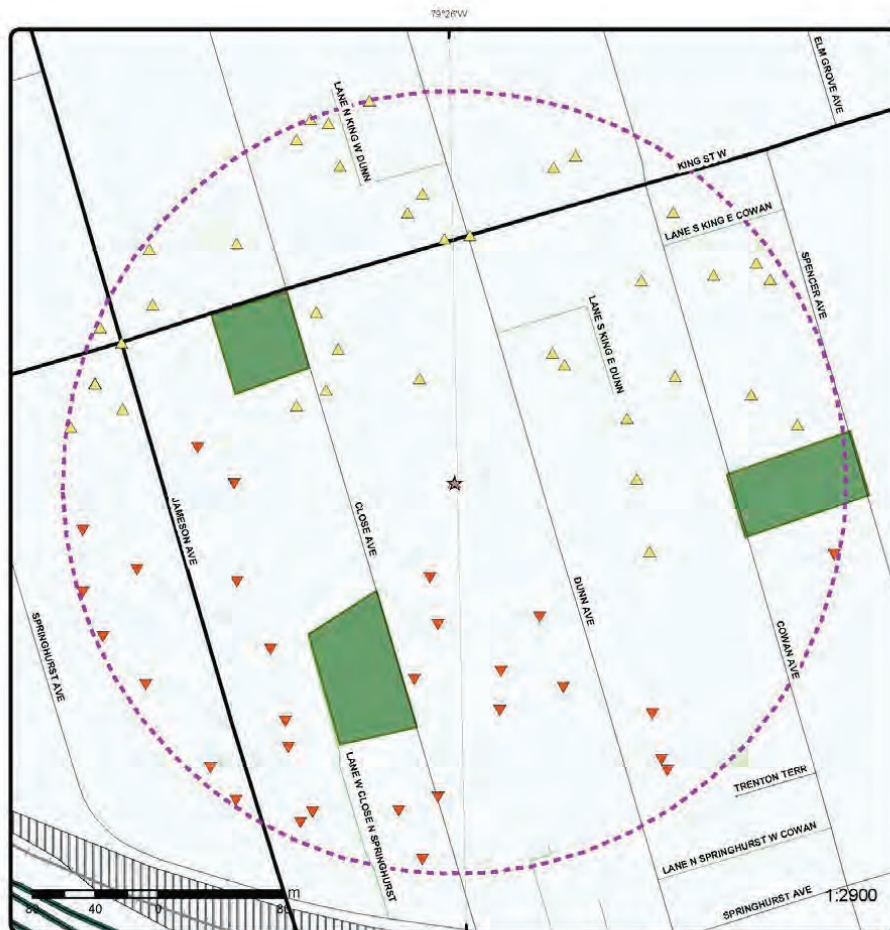
A search of the VAR database, dated Jul 31, 2020 has found that there are 1 VAR site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
BRILAND DEVELOPMENT	1430 KING ST W, TORONTO, ON M6K 1H8, CA ON	WNW	246.68	<a href="#">63</a>

#### **WWIS - Water Well Information System**

A search of the WWIS database, dated Apr 30, 2020 has found that there are 2 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>
	1355 KING ST, WEST TORONTO ON	NNE	211.17	<a href="#">36</a>
	<b>Well ID:</b> 6928123			
	ON	ENE	211.95	<a href="#">37</a>
	<b>Well ID:</b> 6905501			



### Map : 0.25 Kilometer Radius

Order Number: 20312500014

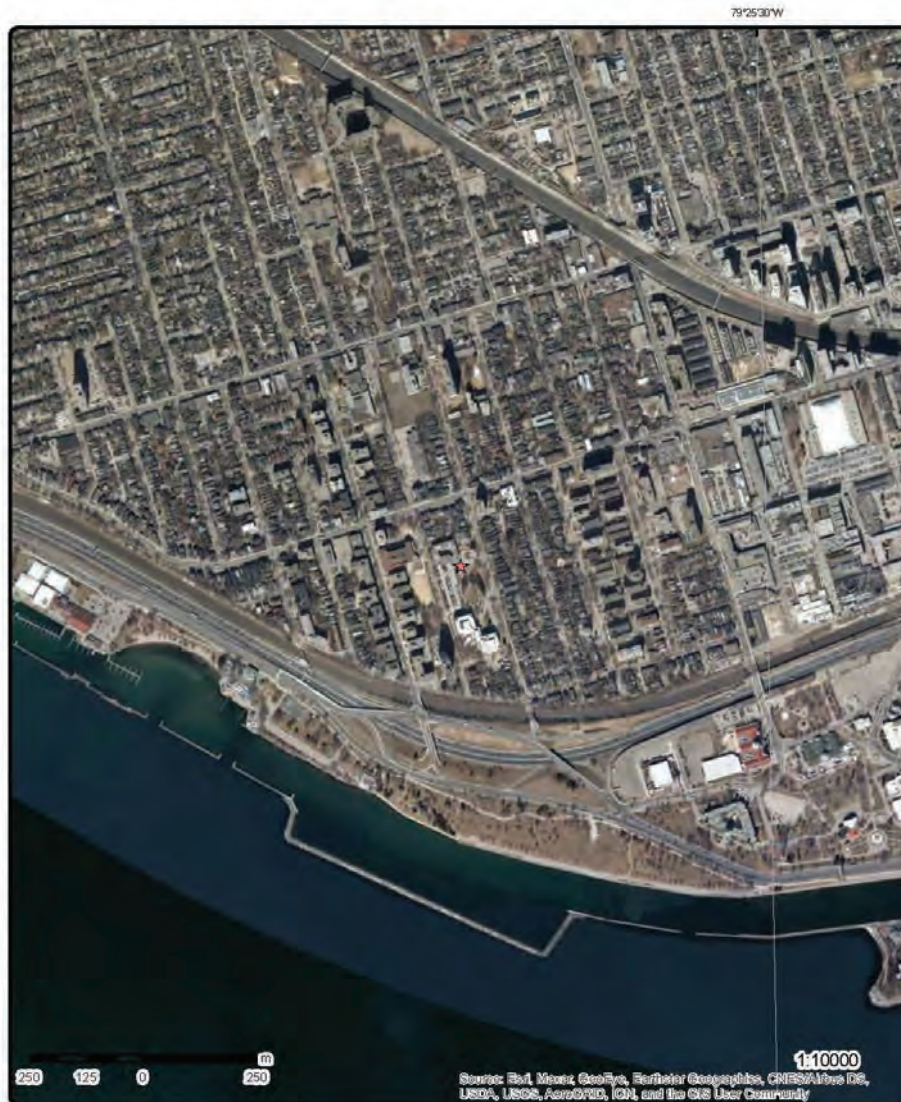
Address: 150 Dunn Ave, Toronto, ON



Source: © 2015 DMTI Spatial Inc.

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**Aerial** Year: 2015

Address: 150 Dunn Ave, Toronto, ON

Source: ESRI World Imagery

Order Number: 20312500014



© ERIS Information Limited Partnership



## Topographic Map

Address: 150 Dunn Ave, ON

Source: ESRI World Topographic Map

Order Number: 20312500014



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## Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	WSW/0.0	92.8 / 0.09	150 Dunn Avenue Toronto ON M6K 2R6	EHS
<div> <div> Order No.: 20181114026  Status: C  Report Type: Custom Report  Report Date: 20-NOV-18  Date Received: 14-NOV-18  Previous Site Name:  Lot/Building Size:  Additional Info Ordered: City Directory </div> <div> Nearest Intersection:  Municipality:  Client Prov/State: ON  Search Radius (km): 3  X: -79.433396  Y: 43.635926 </div> </div>					
2	1 of 1	SSW/62.7	91.8 / -0.90	ON	BORE
<div> <div> Borehole ID: 643799  OGF ID: 215544186  Status: Borehole  Type: Geotechnical/Geological Investigation  Completion Date: NOV-1968  Static Water Level: 0.9  Primary Water Use: Not Used  Sec. Water Use:  Total Depth m: 8.4  Depth Ref: Ground Surface  Depth Elev:  Drill Method: Power auger  Orig Ground Elev m: 94.3  Elev Reliabil Note:  DEM Ground Elev m: 94  Concession:  Location D:  Survey D:  Comments: </div> <div> Inclin FLG: No  SP Status: Initial Entry  Sury Elev: No  Piezometer: No  Primary Name:  Municipality:  Lot:  Township:  Latitude DD: 43.635778  Longitude DD: -79.433619  UTM Zone: 17  Easting: 626350  Northing: 4832613  Location Accuracy:  Accuracy: Not Applicable </div> </div>					
<div> <div> <u>Borehole Geology Stratum</u>  Geology Stratum ID: 218505239  Top Depth: 0  Bottom Depth: 3  Material Color: Black  Material 1: Soil  Material 2: Silt  Material 3:  Material 4:  Gsc Material Description:  Stratum Description: SOIL, SILT, BLACK </div> <div> Mat Consistency:  Material Moisture:  Material Texture:  Non Geo Mat Type:  Geologic Formation:  Geologic Group:  Geologic Period:  Depositional Gen: </div> </div>					
<div> <div> Geology Stratum ID: 218505240  Top Depth: 3  Bottom Depth: 2.6  Material Color: Brown </div> <div> Mat Consistency: Loose  Material Moisture:  Material Texture:  Non Geo Mat Type: </div> </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	Fill Sand Silt Gravel  FILL,SAND,SILT, GRAVEL, BROWN, LOOSE			Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:  fill	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218505241 2.6 9.4 Brown Sand Silt  SAND-FINE TO MEDIUM,SILT, BROWN GREY, GLACIAL VERY DENSE, AGE GLACIAL, WATER STABLE AT 306.4 FEET.			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:  Dense  Fine to Medium    glacial	
<b>Source</b>					
Source Type: Source Org: Source Date: Confidence: Observatio: Source Name: Source Details: Confiden 1:	Data Survey Geological Survey of Canada 1956-1972 H  Urban Geology Automated Information System (UGAIS) File: TOR2.txt RecordID: 118200 NTS_Sheet: 30M11E Logged by professional. Exact and complete description of material and properties.			Source App: Source Id: Scale or Res: Horizontal: Verticalda:  Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level	
<b>Source List</b>					
Source Identifier: Source Type: Source Date: Scale or Resolution: Source Name: Source Originators:	1 Data Survey 1956-1972 Varies Urban Geology Automated Information System (UGAIS) Geological Survey of Canada			Horizontal Datum: Vertical Datum: Projection Name:  NAD27 Mean Average Sea Level Universal Transverse Mercator	
<u>3</u>	1 of 1	NNW/70.2	92.8 / 0.10	Peaker [C] 162 Dunn Ave Toronto ON M6K 2R6	TANK
Permit Date: Permit Type: User Type: Installation Type: Installation Size: Installation Config: No. Tanks Installed: Units of Measure: Value/Tank (\$): Capacity(gal): Reference: Location Desc:	10/18/1929 BP A26376  Fuel Oil Tank 3 x fuel oil tanks 3  75  CTA Building permits				
<u>4</u>	1 of 1	S/91.4	91.7 / -1.04	ON	BORE
Borehole ID: OGF ID: Status:	654158 215554504			Inclin FLG: SP Status: Surv Elev:  No Initial Entry No	

40 [erisinfo.com](http://erisinfo.com) | Environmental Risk Information Services Order No. 20312500014

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Source List</b>					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1958-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				
<b>5</b>	<b>1 of 1</b>	<b>WNW/100.9</b>	<b>92.8 / 0.10</b>	<b>Jackson James H 109 Close Ave Toronto ON M6K 2V2</b>	<b>TANK</b>
Permit Date:	9/13/1927				
Permit Type:	BP A8055				
User Type:					
Installation Type:	Fuel oil tank				
Installation Size:					
Installation Config.:	1 x fuel oil tank				
No. Tanks Installed:	1				
Units of Measure:					
Value/Tank (\$):	250				
Capacity(gal):					
Reference:	CTA Building permits				
Location Desc:	Rear 109 Close Ave				
<b>6</b>	<b>1 of 1</b>	<b>SE/101.6</b>	<b>91.8 / -0.90</b>	<b>ON</b>	<b>BORE</b>
Borehole ID:	643800			Inclin FLG:	No
OGF ID:	215544187			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	NOV-1968			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:	Not Used			Township:	
Sec. Water Use:				Latitude DD:	43.635541
Total Depth m:	9			Longitude DD:	-79.432757
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	628420
Drill Method:	Power auger			Northing:	4832588
Orig Ground Elev m:	93.8			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	93.2				
Concession:					
Location D:					
Survey D:					
Comments:					
<b>Borehole Geology Stratum</b>					
Geology Stratum ID:	218505245			Mat Consistency:	Dense
Top Depth:	2			Material Moisture:	
Bottom Depth:	3.7			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Clay			Geologic Period:	
Material 4:				Depositional Gen:	glacial
Gsc Material Description:					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Stratum Description:</b> SAND,SILT,CLAY BROWN,FLUVIO-GLACIAL VERY DENSE,LAYERED, AGE GLACIAL					
Geology Stratum ID:	218505246			Mat Consistency:	Dense
Top Depth:	3.7			Material Moisture:	
Bottom Depth:	9			Material Texture:	Fine to Medium
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	glacial
Gsc Material Description:	SAND(50)-FINE TO MEDIUM,SILT(45) BROWN,GREY,GLACIAL,VERY DENSE,AGE GLACIAL 016 000241				
Stratum Description:	*Note, Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218505242			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	3			Material Texture:	
Material Color:	Black			Non Geo Mat Type:	
Material 1:	Soil			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:	SOIL,SILT, BLACK				
Stratum Description:					
Geology Stratum ID:	218505243			Mat Consistency:	Loose
Top Depth:	3			Material Moisture:	
Bottom Depth:	7			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Fill			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:				Depositional Gen:	fill
Gsc Material Description:	FILL,SAND,SILT BROWN,LOOSE				
Stratum Description:					
Geology Stratum ID:	218505244			Mat Consistency:	Hard
Top Depth:	7			Material Moisture:	
Bottom Depth:	2			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Clay			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:				Depositional Gen:	glacial
Gsc Material Description:	SILT,CLAY,GRAVEL BROWN,GLACIAL,HARD, AGE GLACIAL				
Stratum Description:					
<b>Source</b>					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Idem:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	H			Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: TOR2.txt RecordID: 118210 NTS_Sheet: 30M11E				
Confiden 1:	Logged by professional. Exact and complete description of material and properties.				
<b>Source List</b>					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Name:		Urban Geology Automated Information System (UGAIS)			
Source Originators:		Geological Survey of Canada			
7	1 of 2	NE/103.2	93.8 / 1.10	Bruce George 157 Dunn Ave Toronto ON M6K 2R8	TANK
Permit Date:		10/8/1925			
Permit Type:		BP 92049			
User Type:		Garage			
Installation Type:		Fuel oil tank			
Installation Size:					
Installation Config.:		1 x Fuel oil tank			
No. Tanks Installed:		1			
Units of Measure:					
Value/Tank (\$):		120			
Capacity(gal):					
Reference:		CTA Building permits			
Location Desc:					
7	2 of 2	NE/103.2	93.8 / 1.10	157 Dunn Ave Toronto ON M6K2R8	EHS
Order No:		20140210006		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Standard Report		Client Prov/State:	
Report Date:		18-FEB-14		Search Radius (km):	
Date Received:		10-FEB-14		X:	
Previous Site Name:				Y:	
Lot/Building Size:				43.636959	
Additional Info Ordered:					
8	1 of 1	NE/103.9	93.8 / 1.10	Arthur E J 159 Dunn Ave Toronto ON M6K 2R8	TANK
Permit Date:		9/28/1925			
Permit Type:		BP 91682			
User Type:					
Installation Type:		Fuel oil tank			
Installation Size:					
Installation Config.:		1 x fuel oil tank			
No. Tanks Installed:		1			
Units of Measure:					
Value/Tank (\$):		110			
Capacity(gal):					
Reference:		CTA Building permits			
Location Desc:					
9	1 of 1	WNW/111.9	92.8 / 0.10	ON	BORE
Borehole ID:		654160		Inclin FLG:	
OGF ID:		215554506		SP Status:	
Status:				Surv Elev:	
Type:		Borehole		Piezometer:	
Use:		Geotechnical/Geological investigation		Primary Name:	
Completion Date:		JUN-1960		Municipality:	
Static Water Level:				Lot:	
Primary Water Use:		Not Used		Township:	



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Sec. Water Use:</b> <b>Total Depth m:</b> 4.9 <b>Depth Ref:</b> Ground Surface <b>Depth Elev:</b> <b>Drill Method:</b> Boring <b>Orig Ground Elev m:</b> 91.4 <b>Elev Reliabil Note:</b> <b>DEM Ground Elev m:</b> 95.5 <b>Concession:</b> <b>Location D:</b> <b>Survey D:</b> <b>Comments:</b>					
<b>Borehole Geology Stratum</b> <b>Geology Stratum ID:</b> 218542175 <b>Top Depth:</b> 2.7 <b>Bottom Depth:</b> 4.9 <b>Material Color:</b> Grey <b>Material 1:</b> Clay <b>Material 2:</b> Silt <b>Material 3:</b> Sand <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b> CLAY,SILT,SAND GREY AGE GLACIAL 0000005000090103400 **Note: Many records provided by the department have a truncated [Stratum Description] field.					
<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b> glacial					
<b>Geology Stratum ID:</b> 218542175 <b>Top Depth:</b> 0 <b>Bottom Depth:</b> 2.7 <b>Material Color:</b> Brown <b>Material 1:</b> Fill <b>Material 2:</b> Sand <b>Material 3:</b> Silt <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b> FILL(35),SAND(35), SILT, BROWN.					
<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b> fill					
<b>Source</b> <b>Source Type:</b> Data Survey <b>Source Orig:</b> Geological Survey of Canada <b>Source Date:</b> 1956-1972 <b>Confidence:</b> H <b>Observation:</b> <b>Source Name:</b> Urban Geology Automated Information System (UGAIS) <b>Source Details:</b> File: TOR3.txt RecordID: 248250 NTS_Sheet: 30M11E <b>Confiden 1:</b> Logged by professional. Exact and complete description of material and properties.					
<b>Source Appl:</b> Spatial/Tabular <b>Source Idem:</b> 1 <b>Scale or Res:</b> Varies <b>Horizontal:</b> NAD27 <b>Verticals:</b> Mean Average Sea Level					
<b>Source List</b> <b>Source Identifier:</b> 1 <b>Source Type:</b> Data Survey <b>Source Date:</b> 1956-1972 <b>Scale or Resolution:</b> Varies <b>Source Name:</b> Urban Geology Automated Information System (UGAIS) <b>Source Originators:</b> Geological Survey of Canada					
<b>Horizontal Datum:</b> NAD27 <b>Vertical Datum:</b> Mean Average Sea Level <b>Projection Name:</b> Universal Transverse Mercator					
10	1 of 2	NW/113.0	92.8 / 0.10	Enbridge Energy Distribution Inc. 119 Close Avenue Toronto ON	SPL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<div> <div> <b>Ref No:</b> 1312-BH6TYQ  <b>Site No:</b> NA  <b>Incident Dt:</b> 10/21/2019  <b>Year:</b>  <b>Incident Cause:</b>  <b>Incident Event:</b> Leak/Break  <b>Contaminant Code:</b> 35  <b>Contaminant Name:</b> NATURAL GAS (METHANE)  <b>Contaminant Limit 1:</b>  <b>Contam Limit Freq 1:</b>  <b>Contaminant UN No 1:</b> 1075  <b>Environment Impact:</b>  <b>Nature of Impact:</b>  <b>Receiving Medium:</b>  <b>Receiving Env:</b> Air  <b>MOE Response:</b> No  <b>Dt MOE Arvl on Scn:</b>  <b>MOE Reported Dt:</b> 10/21/2019  <b>Dt Document Closed:</b> 10/24/2019  <b>Incident Reason:</b> Operator/Human Error  <b>Site Name:</b> commercial service line&lt;UNOFFICIAL&gt;  <b>Site County/District:</b>  <b>Site Geo Ref Meth:</b>  <b>Incident Summary:</b> TSSA FSB: 1/2" plastic service, IP, made safe  <b>Contaminant Qty:</b> 0 other - see incident description </div> <div> <b>Discharger Report:</b>  <b>Material Group:</b>  <b>Health/Env Conseq:</b> 2 - Minor Environment  <b>Client Type:</b> Corporation  <b>Sector Type:</b> Unknown / N/A  <b>Agency Involved:</b>  <b>Nearest Watercourse:</b>  <b>Site Address:</b> 119 Close Avenue  <b>Site District Office:</b> Toronto - District  <b>Site Postal Code:</b>  <b>Site Region:</b> Central  <b>Site Municipality:</b> Toronto  <b>Site Lot:</b>  <b>Site Conc:</b>  <b>Northing:</b> 4832750  <b>Eastings:</b> 626278  <b>Site Geo Ref Accu:</b>  <b>Site Map Datum:</b>  <b>SAC Action Class:</b> TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill  <b>Source Type:</b> Valve/Filling/Piping </div> </div>					
10	2 of 2	NW/113.0	92.8 / 0.10	ENBRIDGE GAS INC 119 CLOSE AVE, TORONTO, ON, M6K 2V2, CA ON	PINC
<div> <div> <b>Incident ID:</b>  <b>Incident No:</b> 2705260  <b>Incident Reported Dt:</b> 10/22/2019  <b>Type:</b> FS-Pipeline Incident  <b>Status Code:</b>  <b>Customer Acct Name:</b> ENBRIDGE GAS INC  <b>Incident Address:</b> 119 CLOSE AVE, TORONTO, ON, M6K 2V2, CA  <b>Tank Status:</b> Pipeline Damage Reason Est  <b>Task No:</b>  <b>Spills Action Centre:</b>  <b>Fuel Type:</b>  <b>Fuel Occurrence Tp:</b>  <b>Date of Occurrence:</b>  <b>Occurrence Start Dt:</b>  <b>Operation Type:</b>  <b>Pipeline Type:</b>  <b>Regulator Type:</b>  <b>Summary:</b>  <b>Reported By:</b>  <b>Affiliation:</b>  <b>Occurrence Desc:</b>  <b>Damage Reason:</b>  <b>Notes:</b> </div> <div> <b>Fuel Category:</b>  <b>Health Impact:</b>  <b>Environment Impact:</b>  <b>Property Damage:</b>  <b>Service Interupt:</b>  <b>Enforce Policy:</b>  <b>Public Relation:</b>  <b>Pipeline System:</b>  <b>Depth:</b>  <b>Pipe Material:</b>  <b>PSIG:</b>  <b>Attribute Category:</b>  <b>Regulator Location:</b>  <b>Method Details:</b> </div> </div>					
11	1 of 1	E/116.6	92.8 / 0.10	WILLIAM G MONTGOMERY LIMITED 139 DUNN AVE TORONTO ON M6K 2R8	SCT
<div> <div> <b>Established:</b> 1971  <b>Plant Size (tC):</b> 0 </div> </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Employment:	5				
<b>-Details-</b>					
Description:	INDUSTRIAL SUPPLIES				
SIC/NAICS Code:	5085				
12	1 of 1	ENE/117.4	93.5 / 0.74	TORONTO HYDRO POLE #30, 88 COWAN AVE., DUFFERIN & QUEEN AREA. TRANSFORMER TORONTO CITY ON M6K 2N4	SPL
Ref No:	120726	Discharger Report:			
Site No:		Material Group:			
Incident Dt:	11/12/1995	Health/Env Conseq:			
Year:		Client Type:			
Incident Cause:	COOLING SYSTEM LEAK	Sector Type:			
Incident Event:		Agency Involved:			
Contaminant Code:		Nearest Watercourse:			
Contaminant Name:		Site Address:			
Contaminant Limit 1:		Site District Office:			
Contam Limit Freq 1:		Site Postal Code:			
Contaminant UN No 1:		Site Region:			
Environment Impact:	NOT ANTICIPATED	Site Municipality:			
Nature of Impact:	Soil contamination	Site Lot:			
Receiving Medium:	LAND	Site Conc:			
Receiving Env:		Northng:			
MOE Response:		Eastng:			
Dt MOE Arvl on Scn:		Site Geo Ref Accu:			
MOE Reported Dt:	11/12/1995	Site Map Datum:			
Dt Document Closed:		SAC Action Class:			
Incident Reason:	UNKNOWN	Source Type:			
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	TORONTO HYDRO-45 L NON PCB TRANSFORMER OIL TO GRND & 5 AUTOS,CLEANED-UP				
Contaminant Qty:					
13	1 of 1	SSE/124.4	91.5 / -1.25	ON	BORE
Borehole ID:	643797	inclin FLG:			
OGF ID:	215544184	SP Status:			
Status:		Surv Elev:			
Type:	Borehole	Piezometer:			
Use:	Geotechnical/Geological Investigation	Primary Name:			
Completion Date:	NOV-1988	Municipality:			
Static Water Level:	1.4	Lot:			
Primary Water Use:	Not Used	Township:			
Sec. Water Use:		Latitude DD:			
Total Depth m:	13.7	Longitude DD:			
Depth Ref:	Ground Surface	UTM Zone:			
Depth Elev:		Eastng:			
Drill Method:	Power auger	Northng:			
Orig Ground Elev m:	92.9	Location Accuracy:			
Elev Reliabil Note:		Accuracy:			
DEM Ground Elev m:	92.9	Not Applicable			
Concession:					
Location D:					
Survey D:					
Comments:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Borehole Geology Stratum</b>					
<b>Geology Stratum ID:</b>	218505227			<b>Mat Consistency:</b>	Hard
<b>Top Depth:</b>	1.5			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	6.2			<b>Material Texture:</b>	
<b>Material Color:</b>	Brown			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Till			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Clay			<b>Geologic Group:</b>	
<b>Material 3:</b>	Silt			<b>Geologic Period:</b>	
<b>Material 4:</b>	Gravel			<b>Depositional Gen:</b>	glacial
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	TILL,CLAY,SILT, GRAVEL, BROWN, GLACIAL, HARD, AGE GLACIAL, WATER STABLE AT 300.2 FEET				
<b>Geology Stratum ID:</b>	218505225			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	2			<b>Material Texture:</b>	
<b>Material Color:</b>	Black			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Soil			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Silt			<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	SOIL, SILT, BLACK				
<b>Geology Stratum ID:</b>	218505229			<b>Mat Consistency:</b>	Dense
<b>Top Depth:</b>	10.9			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	13			<b>Material Texture:</b>	
<b>Material Color:</b>	Grey			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Sand			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Gravel			<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	glacial
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	SAND, GRAVEL, GREY, GLACIAL, VERY DENSE, AGE GLACIAL				
<b>Geology Stratum ID:</b>	218505230			<b>Mat Consistency:</b>	Dense
<b>Top Depth:</b>	13			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	13.7			<b>Material Texture:</b>	
<b>Material Color:</b>	Grey			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Till			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Sand			<b>Geologic Group:</b>	
<b>Material 3:</b>	Silt			<b>Geologic Period:</b>	
<b>Material 4:</b>	Gravel			<b>Depositional Gen:</b>	glacial
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	TILL, SAND, SILT, GRAVEL, GREY, GLACIAL, VERY DENSE, AGE GLACIAL 00050100002050900035910000016LT **Note: Many records provided by the department have a truncated [Stratum Description] field.				
<b>Geology Stratum ID:</b>	218505226			<b>Mat Consistency:</b>	Stiff
<b>Top Depth:</b>	2			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	1.5			<b>Material Texture:</b>	
<b>Material Color:</b>	Brown			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Fill			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Silt			<b>Geologic Group:</b>	
<b>Material 3:</b>	Clay			<b>Geologic Period:</b>	
<b>Material 4:</b>	Sand			<b>Depositional Gen:</b>	fill
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	FILL, SILT, CLAY, SAND, BROWN, STIFF				
<b>Geology Stratum ID:</b>	218505228			<b>Mat Consistency:</b>	Dense
<b>Top Depth:</b>	6.2			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	10.9			<b>Material Texture:</b>	Fine to Medium
<b>Material Color:</b>	Grey			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Sand			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Silt			<b>Geologic Group:</b>	
<b>Material 3:</b>	Gravel			<b>Geologic Period:</b>	



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 4:			Depositional Gen: glacial		
Gsc Material Description:		SAND-FINE TO MEDIUM SILT GRAVEL GREY FLUVIO-GLACIAL VERY DENSE AGE GLACIAL			
Stratum Description:					
Source					
Source Type:	Data Survey	Source Appl:		Spatial/Tabular	
Source Orig:	Geological Survey of Canada	Source Idem:		1	
Source Date:	1956-1972	Scale or Res:		Varies	
Confidence:	H	Horizontal:		NAD27	
Observation:		Vertical:		Mean Average Sea Level	
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: TOR2.txt RecordID: 118180 NTS_Sheet: 30M11E				
Confiden 1:	Logged by professional. Exact and complete description of material and properties.				
Source List					
Source Identifier:	1	Horizontal Datum:		NAD27	
Source Type:	Data Survey	Vertical Datum:		Mean Average Sea Level	
Source Date:	1956-1972	Projection Name:		Universal Transverse Mercator	
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				

14	1 of 1	SSW/128.3	90.8 / -1.98	ON	BORE
Borehole ID:	643798	Inclin FLG:	No		
OGF ID:	215544185	SP Status:	Initial Entry		
Status:		Surv Elev:	No		
Type:	Borehole	Piezometer:	No		
Use:	Geotechnical/Geological Investigation	Primary Name:			
Completion Date:	NOV-1968	Municipality:			
Static Water Level:	2.0	Lot:			
Primary Water Use:	Not Used	Township:			
Sec. Water Use:		Latitude DD:	43.635195		
Total Depth m:	19.8	Longitude DD:	-79.433758		
Depth Ref:	Ground Surface	UTM Zone:	17		
Depth Elev:		Easting:	626340		
Drill Method:	Power auger	Northing:	4832548		
Orig Ground Elev m:	92.6	Location Accuracy:			
Elev Reliabil Note:		Accuracy:	Not Applicable		
DEM Ground Elev m:	92.2				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218505232	Mat Consistency:	Stiff		
Top Depth:	2	Material Moisture:			
Bottom Depth:	1.7	Material Texture:			
Material Color:	Brown	Non Geo Mat Type:			
Material 1:	Fill	Geologic Formation:			
Material 2:	Clay	Geologic Group:			
Material 3:	Silt	Geologic Period:			
Material 4:	Sand	Depositional Gen:	fill		
Gsc Material Description:					
Stratum Description:	FILL,CLAY,SILT,SAND,BROWN,STIFF				
Geology Stratum ID:	218505233	Mat Consistency:	Hard		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Top Depth:	1.7			Material Moisture:	
Bottom Depth:	4			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Clay			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	TILL,CLAY,SILT, GRAVEL, BROWN, GLACIAL, HARD, AGE GLACIAL				
Geology Stratum ID:	218505235			Mat Consistency:	Dense
Top Depth:	4.4			Material Moisture:	
Bottom Depth:	10.4			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	SAND(83),SILT(28), GREY, GLACIAL, VERY DENSE, AGE GLACIAL				
Geology Stratum ID:	218505234			Mat Consistency:	Dense
Top Depth:	4			Material Moisture:	
Bottom Depth:	4.4			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Clay			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	SILT(79),CLAY(12), GREY, FLUVIO-GLACIAL, VERY DENSE, AGE GLACIAL, WATER STABLE AT 297.2 FEET				
Geology Stratum ID:	218505236			Mat Consistency:	Dense
Top Depth:	10.4			Material Moisture:	
Bottom Depth:	11.6			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	SAND, GRAVEL, GREY, GLACIAL, VERY DENSE, AGE GLACIAL				
Geology Stratum ID:	218505237			Mat Consistency:	Dense
Top Depth:	11.6			Material Moisture:	
Bottom Depth:	15.4			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	SAND, SILT, GREY, GLACIAL, VERY DENSE, AGE GLACIAL				
Geology Stratum ID:	218505238			Mat Consistency:	
Top Depth:	15.4			Material Moisture:	
Bottom Depth:	19.8			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Shale			Geologic Group:	
Material 3:	Clay			Geologic Period:	Ordovician
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BEDROCK, SHALE, CLAY, GREY, WEATHERED, FRACTURED, AGE ORDOVICIAN, 023015035 020 0000801				

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



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Geology Stratum ID:	218505231			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	2			Material Texture:	
Material Color:	Black			Non Geo Mat Type:	
Material 1:	Soil			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SOIL,SILT, BLACK				
<hr/>					
<u>Source</u>					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Id:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	H			Horizontal:	NAD27
Observation:				Vertical:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: TOR2.txt RecordID: 118190 NTS_Sheet: 30M11E				
Confiden 1:	Logged by professional. Exact and complete description of material and properties.				
<hr/>					
<u>Source List</u>					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				
<hr/>					
15	1 of 2	ESE/131.9	92.8 / 0.10	Enbridge Gas Distribution Inc. 131 Dunn Ave Toronto ON	SPL
<hr/>					
Ref No:	1457-7THPEZ			Discharger Report:	
Site No:				Material Group:	
Incident Dt:				Health/Env Conseq:	
Year:				Client Type:	Pipeline
Incident Cause:	Discharge or Emission to Air			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	Not Anticipated			Site Municipality:	Toronto
Nature of Impact:	Human Health/Safety			Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:				Northling:	
MOE Response:	Not MOE mandate			Eastling:	
Dt MOE Arvl on Sen:				Site Geo Ref Accu:	
MOE Reported Dt:	6/30/2009			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	TSSA - Fuel Safety Branch
Incident Reason:				Source Type:	
Site Name:	gas line<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	TSSA-FSB: 131 Dunn Ave; 1/2" plastic damaged; safe				
Contaminant Qty:	0 other - see incident description				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
15	2 of 2	ESE/131.9	92.8 / 0.10	131 DUNN AVENUE, TORONTO ON	INC
<div> <div> Incident No: 91252  Incident ID: 2198488  Instance No:  Status Code: Causal Analysis Complete  Attribute Category: FS-Incident  Context:  Date of Occurrence:  Time of Occurrence:  Incident Created On:  Instance Creation Dt:  Instance Install Dt:  Occur Insp Start Date:  Approx Quant Rel:  Tank Capacity:  Fuels Occur Type:  Fuel Type Involved:  Enforcement Policy:  Pro Escalation Req:  Tank Material Type:  Tank Storage Type:  Tank Location Type:  Pump Flow Rate Cap:  Task No:  Notes:  Drainage System:  Sub Surface Contam.:  Aff Prop Use Water:  Contam. Migrated:  Contact Natural Env:  Incident Location: 1/2" PIPELINE HIT - 131 DUNN AVENUE, TORONTO  Occurrence Narrative:  Operation Type Involved:  Item:  Item Description:  Device Installed Location: </div> <div> Any Health Impact:  Any Enviro Impact:  Service Interrupted:  Was Prop Damaged:  Reside App. Type:  Commer App. Type:  Indus App. Type:  Institut App. Type:  Venting Type:  Vent Conn Mater:  Vent Chimney Mater:  Pipeline Type: Service / Riser Distribution Pipeline  Pipeline Involved:  Pipe Material: Plastic  Depth Ground Cover:  Regulator Location: Outside  Regulator Type: Service Regulator (up to 60 psi intake)  Operation Pressure: JP  Liquid Prop Make:  Liquid Prop Model:  Liquid Prop Serial No:  Liquid Prop Notes:  Equipment Type:  Equipment Model:  Serial No:  Cylinder Capacity:  Cylinder Cap Unlts:  Cylinder Mat Type:  Near Body of Water: </div> </div>					
16	1 of 1	NW/140.2	92.8 / 0.10	Terry [William] 121 Close Ave Toronto ON M6K 2V2	TANK
<div> <div> Permit Date: 7/23/1925  Permit Type: BP 89921  User Type:  Installation Type: Fuel oil tank  Installation Size:  Installation Config.: 1 x Fuel oil tank  No. Tanks Installed: 1  Units of Measure:  Value/Tank (\$): 150  Capacity(gal):  Reference: CTA Building permits  Location Desc: </div> </div>					
17	1 of 1	W/140.5	91.8 / -0.90	ON	BORE
<div> <div> Borehole ID: 654159  OGF ID: 215554505  Status: </div> <div> Inclin FLG: No  SP Status: Initial Entry  Surv Elev: No </div> </div>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Source List</b>					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1958-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				

18	1 of 1	SE/148.0	91.8 / -0.90	ON	BORE
Borehole ID:	643796			Inclin FLG:	No
OGF ID:	215544183			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	NOV-1968			Municipality:	
Static Water Level:	1.9			Lot:	
Primary Water Use:	Not Used			Township:	
Sec. Water Use:				Latitude DD:	43.635134
Total Depth m:	19			Longitude DD:	-79.432562
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	628435
Drill Method:	Power auger			Northing:	4832543
Orig Ground Elev m:	92.5			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	92.3				
Concession:					
Location D:					
Survey D:					
Comments:					

#### Borehole Geology Stratum

Geology Stratum ID:	218505219	Mat Consistency:	Hard
Top Depth:	1.4	Material Moisture:	
Bottom Depth:	6.6	Material Texture:	
Material Color:	Brown	Non Geo Mat Type:	
Material 1:	Till	Geologic Formation:	
Material 2:	Clay	Geologic Group:	
Material 3:	Silt	Geologic Period:	
Material 4:	Gravel	Depositional Gen:	glacial
Gsc Material Description:			
Stratum Description:	TILL,CLAY,SILT, GRAVEL, BROWN,GREY, GLACIAL,HARD, AGE GLACIAL		
Geology Stratum ID:	218505220	Mat Consistency:	Dense
Top Depth:	6.6	Material Moisture:	
Bottom Depth:	7	Material Texture:	
Material Color:	Grey	Non Geo Mat Type:	
Material 1:	Silt	Geologic Formation:	
Material 2:	Sand	Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	glacial
Gsc Material Description:			
Stratum Description:	SILT,SAND, GREY,FLUVIO-GLACIAL, VERY DENSE,AGE GLACIAL, WATER STABLE AT 297.2 FEET		
Geology Stratum ID:	218505222	Mat Consistency:	Dense
Top Depth:	10.8	Material Moisture:	
Bottom Depth:	12.8	Material Texture:	
Material Color:	Grey	Non Geo Mat Type:	
Material 1:	Sand	Geologic Formation:	



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	Gravel Silt			Geologic Group: Geologic Period: Depositional Gen: glacial	
		SAND(32),GRAVEL(64),SILT(04)		GREY, GLACIAL, VERY DENSE, AGE GLACIAL	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218505217 0 .2 Black Silt Silt			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
		SOIL, SILT, BLACK			
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218505224 15.5 19 Grey Bedrock Shale Limestone			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Ordovician	
		BEDROCK, SHALE, LIMESTONE, GREY WEATHERED, FRACTURED, AGE ORDOVICIAN, 021018035.009			
		**Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218505218 2 1.4 Brown Fill Silt Clay Sand			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Fill	
		FILL, SILT, CLAY, SAND BROWN, FIRM			
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218505223 12.6 15.5 Grey Sand Silt Clay Gravel			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: glacial	
		SAND(30), SILT(12), CLAY(03), GRAVEL, GREY, GLACIAL, VERY DENSE, AGE GLACIAL			
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218505221 7 10.8 Grey Sand Silt Gravel			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: glacial	
		SAND(92), FINE TO MEDIUM, SILT(06), GRAVEL(02), GREY, GLACIAL, VERY DENSE, AGE GLACIAL			
<b>Source</b>					
Source Type:	Data Survey		Source Appl:	Spatial/Tabular	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Org:	Geological Survey of Canada			Source Id:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	H			Horizontal:	NAD27
Observation:				Vertical:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: TOR2.txt RecordID: 118170 NTS_Sheet: 30M11E				
Confiden 1:	Logged by professional. Exact and complete description of material and properties.				
<b>Source List</b>					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				
19	1 of 31	SSE/148.4	90.9 / -1.83	TRANSPORT TRUCK 130 DUNN AVENUE MOTOR VEHICLE (OPERATING FLUID) TORONTO CITY ON M6K 2R7	SRL
Ref No:	113217			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	5/16/1995			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	CONTAINER OVERFLOW			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	POSSIBLE			Site Municipality:	1108
Nature of Impact:	Water course or lake			Site Lot:	
Receiving Medium:	LAND / WATER			Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	WORKS
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	5/16/1995			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	ERROR			Source Type:	
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	SHRED-IT CO. 0.5L DIESEL LEAKED FROM SADDLE TANK & FLUSHED TO STORMSEWER.				
Contaminant Qty:					
19	2 of 31	SSE/148.4	90.9 / -1.83	QUEEN ELIZABETH HOSPITAL C/O 550 UNIVERSITY AVENUE 130 DUNN AVENUE TORONTO ON M6K 2R7	GEN
Generator No:	ON0280201			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:	0008				
SIC Description:	EXEMPT				



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	3 of 31	SSE/148.4	90.9 / -1.83	QUEEN ELIZABETH HOSPITAL 130 DUNN AVENUE C/O 550 UNIVERSITY AVE. TORONTO ON M6K 2R7	GEN
Generator No: ON0280201 Status: Approval Years: 92,93,97 Contam. Facility: MHSW Facility: SIC Code: 8611 SIC Description: GENERAL HOSPITALS PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
<u>Detail(s)</u>					
Waste Class: 148 Waste Class Desc: INORGANIC LABORATORY CHEMICALS Waste Class: 263 Waste Class Desc: ORGANIC LABORATORY CHEMICALS					
19	4 of 31	SSE/148.4	90.9 / -1.83	QUEEN ELIZABETH HOSPITAL 32-032 130 DUNN AVENUE C/O 550 UNIVERSITY AVE. TORONTO ON M6K 2R7	GEN
Generator No: ON0280201 Status: Approval Years: 94,95,96 Contam. Facility: MHSW Facility: SIC Code: 8611 SIC Description: GENERAL HOSPITALS PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
<u>Detail(s)</u>					
Waste Class: 148 Waste Class Desc: INORGANIC LABORATORY CHEMICALS Waste Class: 263 Waste Class Desc: ORGANIC LABORATORY CHEMICALS					
19	5 of 31	SSE/148.4	90.9 / -1.83	QUEEN ELIZABETH HOS(SEE & USE ON2233601) 130 DUNN AVENUE TORONTO ON M6K 2R7	GEN
Generator No: ON0280201 Status: Approval Years: 96 Contam. Facility: MHSW Facility: SIC Code: 8611 SIC Description: GENERAL HOSPITALS PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
<u>Detail(s)</u>					
Waste Class: 148 Waste Class Desc: INORGANIC LABORATORY CHEMICALS Waste Class: 263 Waste Class Desc: ORGANIC LABORATORY CHEMICALS					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	6 of 31	SSE/148.4	90.9 / -1.83	REHABILITATION INSTITUTE OF TORONTO 130 DUNN AVENUE TORONTO ON M6K 2R7	GEN
Generator No: ON2233801 Status: Approval Years: 97,98,99,00,01,02,03 Contam. Facility: MHSW Facility: SIC Code: 8612 SIC Description: REHAB. HOSPITALS PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
<u>Detail(s)</u>					
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		283			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
19	7 of 31	SSE/148.4	90.9 / -1.83	TORONTO REHABILITATION INSTITUTE 130 DUNN AVENUE TORONTO ON M6K 2R7	GEN
Generator No: ON2233801 Status: Approval Years: 04,05,06,07,08 Contam. Facility: MHSW Facility: SIC Code: 622111 SIC Description: General (except Paediatric) Hospitals PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		281			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		243			
Waste Class Desc:		PCB'S			
Waste Class:		283			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	8 of 31	SSE/148.4	90.9 / -1.83	TORONTO REHABILITATION INSTITUTE 130 DUNN AVENUE TORONTO ON M6K 2R7	GEN
Generator No:	ON2233801			PO Box No:	
Status:				Country:	
Approval Years:	2009			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	622111				
SIC Description:	General (except Paediatric) Hospitals				
Detail(s)					
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
Waste Class:	112				
Waste Class Desc:	ACID WASTE - HEAVY METALS				
Waste Class:	121				
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	281				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
19	9 of 31	SSE/148.4	90.9 / -1.83	Dunn FAST Centre 130 Dunn Ave S213-215 Toronto ON M6K 2R7	GEN
Generator No:	ON4094390			PO Box No:	
Status:				Country:	
Approval Years:	2010			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621610				
SIC Description:	Home Health Care Services				
Detail(s)					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
19	10 of 31	SSE/148.4	90.9 / -1.83	TORONTO REHABILITATION INSTITUTE 130 DUNN AVENUE TORONTO ON M6K 2R7	GEN
Generator No:	ON2233801			PO Box No:	
Status:				Country:	
Approval Years:	2010			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	622111				
SIC Description:	General (except Paediatric) Hospitals				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
19	11 of 31	SSE/148.4	90.9 / -1.83	Dunn FAST Centre 130 Dunn Ave S213-215 Toronto ON M6K 2R7	GEN
Generator No:	ON4094390			PO Box No:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621610				
SIC Description:	Home Health Care Services				
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
19	12 of 31	SSE/148.4	90.9 / -1.83	University Health Network 130 DUNN AVENUE TORONTO ON M6K 2R7	GEN
Generator No:	ON2233801			PO Box No:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	622111				
SIC Description:	General (except Paediatric) Hospitals				
<u>Detail(s)</u>					
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
59	erisinfo.com   Environmental Risk Information Services				Order No. 20312500014

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
19	13 of 31	SSE/148.4	90.9 / -1.83	University Health Network 130 DUNN AVENUE TORONTO ON M6K 2R7	GEN
Generator No:	ON2233601			PO Box No:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	622111				
SIC Description:	General (except Paediatric) Hospitals				
Detail(s)					
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	121				
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
Waste Class:	112				
Waste Class Desc:	ACID WASTE - HEAVY METALS				
19	14 of 31	SSE/148.4	90.9 / -1.83	Dunn FAST Centre 130 Dunn Ave S213-215 Toronto ON M6K 2R7	GEN
Generator No:	ON4094390			PO Box No:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621610				
SIC Description:	Home Health Care Services				
Detail(s)					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
19	15 of 31	SSE/148.4	90.9 / -1.83	University Health Network 130 DUNN AVENUE TORONTO ON	GEN
Generator No:	ON2233601			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Contam. Facility: MHSW Facility: SIC Code: SIC Description:	622111	GENERAL (EXCEPT PAEDIATRIC) HOSPITALS		Co Admin: Phone No Admin:	
<b>Detail(s)</b>					
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
Waste Class:	121				
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS				
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
Waste Class:	112				
Waste Class Desc:	ACID WASTE - HEAVY METALS				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
<hr/>					
<u>19</u>	16 of 31	SSE/148.4	90.9 / -1.83	Dunn FAST Centre 130 Dunn Ave S213-215 Toronto ON	GEN
Generator No:	QN4094390			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621610				
SIC Description:					
<b>Detail(s)</b>					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
<hr/>					
<u>19</u>	17 of 31	SSE/148.4	90.9 / -1.83	UNIVERSITY HEALTH NETWORK 130 DUNN AVE TORONTO M6K 2R7 ON CA ON	CFOT
Licence No:				Item Description:	Fuel Oil Tank
Registration No:				Instance Type:	FS Fuel Oil Tank
Posse File No:				Facility Type:	FS Fuel Oil Tank
Posse Reg No:				Fuel Type:	Fuel Oil
Status Name:				Distributor:	
Tank Type:	Double Wall UST			Letter Sent:	
Tank Size:	45400			Comments:	
Tank Material:	Steel			Corrosion Protect:	Sacrificial anode
Instance No:	84547886			Province:	
Inst Creation Date:	11/19/2012 11:09:12 AM			Nbr:	
Inst Install Date:	11/19/2012 11:09:12 AM			Context:	FS Fuel Oil Tank
Item:	FS FUEL OIL TANK				
Tank Age (as of 05/1992):					
Device Installed Location:	130 DUNN AVE TORONTO M6K 2R7 ON CA				
Description:	Tank#1				
Contact Name:					
Contact Address:					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Contact Address2:</b> <b>Contact Suite:</b> <b>Contact City:</b> <b>Contact Prov:</b> <b>Contact Postal:</b>					

19	18 of 31	SSE/148.4	90.9 / -1.83	UNIVERSITY HEALTH NETWORK 130 DUNN AVE TORONTO M6K 2R7 ON CA ON	CFOT
<b>Licence No:</b> <b>Registration No:</b> <b>Posse File No:</b> <b>Posse Reg No:</b> <b>Status Name:</b> <b>Tank Type:</b> Double Wall UST <b>Tank Size:</b> 45400 <b>Tank Material:</b> Steel <b>Instance No:</b> 64547889 <b>Inst Creation Date:</b> 11/19/2012 11:29:44 AM <b>Inst Install Date:</b> 11/19/2012 11:29:44 AM <b>Item:</b> FS FUEL OIL TANK <b>Tank Age (as of 05/1992):</b> <b>Device Installed Location:</b> 130 DUNN AVE TORONTO M6K 2R7 ON CA <b>Description:</b> Tank #2 <b>Contact Name:</b> <b>Contact Address:</b> <b>Contact Address2:</b> <b>Contact Suite:</b> <b>Contact City:</b> <b>Contact Prov:</b> <b>Contact Postal:</b>					
<b>Item Description:</b> Fuel Oil Tank <b>Instance Type:</b> FS Fuel Oil Tank <b>Facility Type:</b> FS Fuel Oil Tank <b>Fuel Type:</b> Fuel Oil <b>Distributor:</b> <b>Letter Sent:</b> <b>Comments:</b> Sacrificial anode <b>Corrosion Protect:</b> <b>Province:</b> <b>Nbr:</b> <b>Context:</b> FS Fuel Oil Tank					

19	19 of 31	SSE/148.4	90.9 / -1.83	University Health Network 130 Dunn Avenue Toronto M6K 2R7 CITY OF TORONTO ON	EBR
<b>EBR Registry No:</b> 012-5796 <b>Ministry Ref No:</b> 1982-9WVPDP <b>Notice Type:</b> Instrument Decision <b>Notice Stage:</b> 827424749 <b>Notice Date:</b> January 12, 2016 <b>Proposal Date:</b> November 19, 2015 <b>Year:</b> 2015 <b>Instrument Type:</b> (EPA Part II 1-91) - Environmental Compliance Approval (project type: air) <b>Off Instrument Name:</b> <b>Posted By:</b> <b>Company Name:</b> University Health Network <b>Site Address:</b> <b>Location Other:</b> <b>Proponent Name:</b> <b>Proponent Address:</b> 700 Bay Street, Toronto Ontario, Canada M5G 1Z6 <b>Comment Period:</b> <b>URL:</b> <b>Site Location Details:</b> 130 Dunn Avenue Toronto M6K 2R7 CITY OF TORONTO					
<b>Decision Posted:</b> <b>Exception Posted:</b> <b>Section:</b> <b>Act 1:</b> <b>Act 2:</b> <b>Site Location Map:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	20 of 31	SSE/148.4	90.9 / -1.83	University Health Network 130 Dunn Ave Toronto ON M6K 2R7	ECA
<div><div><div>Approval No: 2599-A4BM93</div><div>Approval Date: 2016-01-04</div><div>Status: Approved</div><div>Record Type: ECA</div><div>Link Source: IDS</div><div>SWP Area Name: Toronto</div><div>Approval Type: ECA-AIR</div><div>Project Type: AIR</div><div>Address: 130 Dunn Ave</div><div>Full Address:</div><div>Full PDF Link: <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/1982-9WVPDP-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/1982-9WVPDP-14.pdf</a></div></div><div><div>MOE District: Metro Toronto</div><div>City:</div><div>Longitude: -79.432396</div><div>Latitude: 43.635611999999995</div><div>Geometry X:</div><div>Geometry Y:</div></div></div>					
19	21 of 31	SSE/148.4	90.9 / -1.83	University Health Network 130 DUNN AVENUE TORONTO ON M6K 2R7	GEN
<div><div><div>Generator No: ON2233601</div><div>Status:</div><div>Approval Years: 2016</div><div>Contam. Facility: No</div><div>MHSW Facility: No</div><div>SIC Code: 622111</div><div>SIC Description: GENERAL (EXCEPT PAEDIATRIC) HOSPITALS</div></div><div><div>PO Box No:</div><div>Country: Canada</div><div>Choice of Contact: CO_OFFICIAL</div><div>Co Admin:</div><div>Phone No Admin:</div></div></div>					
Detail(s)					
<div><div>Waste Class: 312</div><div>Waste Class Desc: PATHOLOGICAL WASTES</div></div>					
<div><div>Waste Class: 121</div><div>Waste Class Desc: ALKALINE WASTES - HEAVY METALS</div></div>					
<div><div>Waste Class: 281</div><div>Waste Class Desc: PHARMACEUTICALS</div></div>					
<div><div>Waste Class: 112</div><div>Waste Class Desc: ACID WASTE - HEAVY METALS</div></div>					
<div><div>Waste Class: 252</div><div>Waste Class Desc: WASTE OILS &amp; LUBRICANTS</div></div>					
<div><div>Waste Class: 251</div><div>Waste Class Desc: OIL SKIMMINGS &amp; SLUDGES</div></div>					
19	22 of 31	SSE/148.4	90.9 / -1.83	Dunn FAST Centre 130 Dunn Ave S213-215 Toronto ON M6K2R7	GEN
<div><div><div>Generator No: ON4094390</div><div>Status:</div><div>Approval Years: 2015</div><div>Contam. Facility: No</div><div>MHSW Facility: No</div><div>SIC Code: 621610</div><div>SIC Description: 621610</div></div><div><div>PO Box No:</div><div>Country: Canada</div><div>Choice of Contact: CO_OFFICIAL</div><div>Co Admin:</div><div>Phone No Admin:</div></div></div>					
Detail(s)					

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[erisinfo.com](https://erisinfo.com) | Environmental Risk Information Services

Order No. 20312500014

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
19	23 of 31	SSE/148.4	90.9 / -1.83	Dunn Nursing Clinic 130 Dunn Ave S213-215 Toronto ON M6K2R7	GEN
Generator No:		ON4094390		PO Box No:	
Status:				Country:	Canada
Approval Years:		2016		Choice of Contact:	CO_OFFICIAL
Contain. Facility:		No		Co Admin:	
MHSW Facility:		No		Phone No Admin:	
SIC Code:		621610			
SIC Description:		621610			
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
19	24 of 31	SSE/148.4	90.9 / -1.83	University Health Network 130 DUNN AVENUE TORONTO ON M6K 2R7	GEN
Generator No:		ON2233601		PO Box No:	
Status:				Country:	Canada
Approval Years:		2015		Choice of Contact:	CO_OFFICIAL
Contain. Facility:		No		Co Admin:	
MHSW Facility:		No		Phone No Admin:	
SIC Code:		622111			
SIC Description:		GENERAL (EXCEPT PAEDIATRIC) HOSPITALS			
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
19	25 of 31	SSE/148.4	90.9 / -1.83	University Health Network 130 DUNN AVENUE TORONTO ON M6K 2R7	GEN
Generator No:		ON2233601		PO Box No:	
Status:				Country:	Canada
Approval Years:		2014		Choice of Contact:	CO_OFFICIAL
Contain. Facility:		No		Co Admin:	
MHSW Facility:		No		Phone No Admin:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
SIC Code:	622111				
SIC Description:	GENERAL (EXCEPT PAEDIATRIC) HOSPITALS				
<u>Detail(s)</u>					
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	112				
Waste Class Desc:	ACID WASTE - HEAVY METALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	121				
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS				
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
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19	26 of 31	SSE/148.4	90.9 / -1.83	Dunn FAST Centre 130 Dunn Ave S213-215 Toronto ON M6K2R7	GEN
Generator No:	ON4094390			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:	621810				
SIC Description:	621810				
<u>Detail(s)</u>					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
<hr/>					
19	27 of 31	SSE/148.4	90.9 / -1.83	Dunn Nursing Clinic 130 Dunn Ave S213-215 Toronto ON M6K2R7	GEN
Generator No:	ON4094390			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:					
<u>Detail(s)</u>					
Waste Class:	312 P				
Waste Class Desc:	Pathological wastes				
<hr/>					
19	28 of 31	SSE/148.4	90.9 / -1.83	University Health Network E.W. Bickle Centre 130 DUNN AVENUE TORONTO ON M6K 2R7	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Generator No:</b> <b>Status:</b> <b>Approval Years:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b> <b>SIC Code:</b> <b>SIC Description:</b>	ON2233801 Registered As of Dec 2018			<b>PO Box No:</b> <b>Country:</b> <b>Choice of Contact:</b> <b>Co Admin:</b> <b>Phone No Admin:</b>	Canada
<b>Detail(s)</b>					
<b>Waste Class:</b>	251 L				
<b>Waste Class Desc:</b>	Waste oils/sludges (petroleum based)				
<b>Waste Class:</b>	252 L				
<b>Waste Class Desc:</b>	Waste crankcase oils and lubricants				
<b>Waste Class:</b>	261 A				
<b>Waste Class Desc:</b>	Pharmaceuticals				
<b>Waste Class:</b>	312 P				
<b>Waste Class Desc:</b>	Pathological wastes				
19	29 of 31	SSE/148.4	90.9 / -1.83	University Health Network E.W. Bickie Centre 130 DUNN AVENUE TORONTO ON M6K 2R7	GEN
<b>Generator No:</b> <b>Status:</b> <b>Approval Years:</b> <b>Contam. Facility:</b> <b>MHSW Facility:</b> <b>SIC Code:</b> <b>SIC Description:</b>	ON2233801 Registered As of Jul 2020			<b>PO Box No:</b> <b>Country:</b> <b>Choice of Contact:</b> <b>Co Admin:</b> <b>Phone No Admin:</b>	Canada
<b>Detail(s)</b>					
<b>Waste Class:</b>	261 A				
<b>Waste Class Desc:</b>	Pharmaceuticals				
<b>Waste Class:</b>	252 L				
<b>Waste Class Desc:</b>	Waste crankcase oils and lubricants				
<b>Waste Class:</b>	312 P				
<b>Waste Class Desc:</b>	Pathological wastes				
<b>Waste Class:</b>	251 L				
<b>Waste Class Desc:</b>	Waste oils/sludges (petroleum based)				
19	30 of 31	SSE/148.4	90.9 / -1.83	UNIVERSITY HEALTH NETWORK 130 DUNN AVE TORONTO M6K 2R7 ON CA ON	F&T
<b>Instance No:</b> <b>Status:</b> <b>Cont Name:</b> <b>Instance Type:</b> <b>Item:</b> <b>Item Description:</b> <b>Tank Type:</b> <b>Install Date:</b> <b>Install Year:</b> <b>Years in Service:</b> <b>Model:</b>	64547886 Active   Fuel Oil Tank Double Wall UST 11/19/2012 11:09:12 AM 1995 NULL TUVF045400MF			<b>Manufacturer:</b> <b>Serial No:</b> <b>Ulc Standard:</b> <b>Quantity:</b> <b>Unit of Measure:</b> <b>Fuel Type:</b> <b>Fuel Type2:</b> <b>Fuel Type3:</b> <b>Piping Steel:</b> <b>Piping Galvanized:</b> <b>Tanks Single Wall St:</b>	Clemer NULL ULC-S603.1 1 EA      



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Description:</b> Tank#1 <b>Capacity:</b> 45400 <b>Tank Material:</b> Steel <b>Corrosion Protect:</b> Sacrificial anode <b>Overfill Protect:</b> <b>Facility Type:</b> FS FUEL OIL TANK <b>Parent Facility Type:</b> <b>Facility Location:</b> 130 DUNN AVE TORONTO M6K 2R7 ON CA <b>Device Installed Location:</b>					
<b>Piping Underground:</b> <b>Num Underground:</b> <b>Panam Related:</b> NULL <b>Panam Venue:</b> NULL					
19	31 of 31	SSE/148.4	90.9 / -1.83	UNIVERSITY HEALTH NETWORK 130 DUNN AVE TORONTO M6K 2R7 ON CA ON	FST
<b>Instance No:</b> 64547889 <b>Status:</b> Active <b>Cont Name:</b> <b>Instance Type:</b> <b>Item:</b> <b>Item Description:</b> Fuel Oil Tank <b>Tank Type:</b> Double Wall UST <b>Install Date:</b> 11/19/2012 11:29:44 AM <b>Install Year:</b> 1995 <b>Years in Service:</b> NULL <b>Model:</b> TUVF045400MF <b>Description:</b> Tank #2 <b>Capacity:</b> 45400 <b>Tank Material:</b> Steel <b>Corrosion Protect:</b> Sacrificial anode <b>Overfill Protect:</b> <b>Facility Type:</b> FS FUEL OIL TANK <b>Parent Facility Type:</b> <b>Facility Location:</b> 130 DUNN AVE TORONTO M6K 2R7 ON CA <b>Device Installed Location:</b>					
<b>Manufacturer:</b> Celemer <b>Serial No:</b> NULL <b>Ulc Standard:</b> S603.1 <b>Quantity:</b> 1 <b>Unit of Measure:</b> EA <b>Fuel Type:</b> <b>Fuel Type2:</b> <b>Fuel Type3:</b> <b>Piping Steel:</b> <b>Piping Galvanized:</b> <b>Tanks Single Wall St:</b> <b>Piping Underground:</b> <b>Num Underground:</b> <b>Panam Related:</b> NULL <b>Panam Venue:</b> NULL					
20	1 of 1	WSW/152.4	91.8 / -0.90	109 Jameson Avenue Toronto ON	SPL
<b>Ref No:</b> 4575-9QXPGQ <b>Site No:</b> NA <b>Incident Dt:</b> 2014/11/17 <b>Year:</b> <b>Incident Cause:</b> Operator/Human error <b>Incident Event:</b> <b>Contaminant Code:</b> 14 <b>Contaminant Name:</b> DRIVEWAY SEALER <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> <b>Environment Impact:</b> <b>Nature of Impact:</b> Land <b>Receiving Medium:</b> <b>Receiving Env:</b> <b>MOE Response:</b> N <b>Dt MOE Act on Sen:</b> <b>MOE Reported Dt:</b> 2014/11/17 <b>Dt Document Closed:</b> <b>Incident Reason:</b> Weather Conditions <b>Site Name:</b> spill<UNOFFICIAL> <b>Site County/District:</b> <b>Site Geo Ref Meth:</b> <b>Incident Summary:</b> Apartment complex - driveway sealer to road, possible catchbasin impacts <b>Contaminant Qty:</b> 0 other - see incident description					
<b>Discharger Report:</b> <b>Material Group:</b> <b>Health/Env Conseq:</b> <b>Client Type:</b> <b>Sector Type:</b> Other <b>Agency Involved:</b> <b>Nearest Watercourse:</b> <b>Site Address:</b> 109 Jameson Avenue <b>Site District Office:</b> <b>Site Postal Code:</b> <b>Site Region:</b> <b>Site Municipality:</b> Toronto <b>Site Lot:</b> <b>Site Conc:</b> <b>Northing:</b> <b>Eastng:</b> <b>Site Geo Ref Accu:</b> <b>Site Map Datum:</b> <b>SAC Action Class:</b> Primary Assessment of Spills <b>Source Type:</b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>21</u>	1 of 1	N/155.9	93.8 / 1.10	182 Dunn Avenue Toronto ON M6K 2R9	EHS
<b>Order No:</b> 20181126150 <b>Status:</b> C <b>Report Type:</b> RSC Report (Urban) <b>Report Date:</b> 03-DEC-18 <b>Date Received:</b> 26-NOV-18 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b> Fire Insur. Maps and/or Site Plans, Title Searches, City Directory, Aerial Photos					
<b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> 3 <b>X:</b> -79.433454 <b>Y:</b> 43.637726					
<u>22</u>	1 of 1	ENE/156.3	93.8 / 1.10	94 Cowan Avenue Toronto ON M6K 2N4	EHS
<b>Order No:</b> 20110325034 <b>Status:</b> C <b>Report Type:</b> Site Report <b>Report Date:</b> 3/28/2011 <b>Date Received:</b> 3/25/2011 6:24:41 PM <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>					
<b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> 0.25 <b>X:</b> -79.431652 <b>Y:</b> 43.636911					
<u>23</u>	1 of 1	N/158.2	93.9 / 1.21	TORONTO CITY KING ST.W/DUNN AVE. (\$97-20) TORONTO CITY ON	CA
<b>Certificate #:</b> 3-1300-97- <b>Application Year:</b> 97 <b>Issue Date:</b> 9/17/1997 <b>Approval Type:</b> Municipal sewage <b>Status:</b> Approved <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
<u>24</u>	1 of 1	WSW/158.6	91.8 / -0.90	95 Jameson Ave Toronto On Toronto ON	EHS
<b>Order No:</b> 20130911007 <b>Status:</b> C <b>Report Type:</b> Custom Report <b>Report Date:</b> 17-SEP-13 <b>Date Received:</b> 11-SEP-13 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>					
<b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> 25 <b>X:</b> -79.43489 <b>Y:</b> 43.635381					
<u>25</u>	1 of 10	W/165.2	91.8 / -0.90	BOARD OF EDUCATION FOR CITY OF TORONTO QUEEN VICTORIA; 100 CLOSE AVE.	NPCB

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB			
TORONTO ON M6K 2V3								
Company Code:	00218BU							
Industry:	School/Care/Facility							
Site Status:								
Transaction Date:	7/15/1993							
Inspection Date:	10/23/1991							
25	2 of 10	W/165.2	91.8 / -0.90	CONSUMERS' GAS CO. LTD., THE 100 CLOSE STREET NATURAL GAS PIPELINE TORONTO CITY ON M6K 2V3	SPL			
Ref No:	151093		Discharger Report:					
Site No:			Material Group:					
Incident Dt:	1/6/1998		Health/Env Conseq:					
Year:			Client Type:					
Incident Cause:	PIPE/HOSE LEAK		Sector Type:					
Incident Event:			Agency Involved:					
Contaminant Code:			Nearest Watercourse:					
Contaminant Name:			Site Address:					
Contaminant Limit 1:			Site District Office:					
Contam Limit Freq 1:			Site Postal Code:					
Contaminant UN No 1:			Site Region:					
Environment Impact:	POSSIBLE		Site Municipality:					
Nature of Impact:	Air Pollution		Site Lot:					
Receiving Medium:	AIR		Site Conc:					
Receiving Env:			Northing:					
MOE Response:			Easting:					
Dt MOE Arvl on Scn:			Site Geo Ref Accu:					
MOE Reported Dt:	1/6/1998		Site Map Datum:					
Dt Document Closed:			SAC Action Class:					
Incident Reason:	DAMAGE BY MOVING EQUIPMENT		Source Type:					
Site Name:								
Site County/District:								
Site Geo Ref Meth:			CONSUMERS GAS: NATURAL GAS LEAKED TO ATM SCHOOL EVACUATED.					
Incident Summary:								
Contaminant Qty:								
25	3 of 10	W/165.2	91.8 / -0.90	TORONTO BOARD OF EDUCATION QUEEN VICTORIA P.S. 100 CLOSE AVENUE TORONTO ON M6K 2V3	GEN			
Generator No:	ON0928630		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:	0000		*** NOT DEFINED ***					
SIC Description:								
<u>Detail(s)</u>								
Waste Class:	121							
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS							
Waste Class:	222							
Waste Class Desc:	HEAVY FUELS							
25	4 of 10	W/165.2	91.8 / -0.90	TORONTO BOARD OF EDUCATION 38-427 QUEEN VICTORIA P.S. 100 CLOSE AVENUE	GEN			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
TORONTO ON M6K 2V3					
Generator No:	ON0928630			PO Box No:	
Status:				Country:	
Approval Years:	92,93,94,95,96,97,98			Choice of Contact:	
Contain. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	8511				
SIC Description:	ELEMT./SECON. EDUC.				
<u>Detail(s)</u>					
Waste Class:	121				
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS				
Waste Class:	222				
Waste Class Desc:	HEAVY FUELS				
<u>25</u>	5 of 10	W/165.2	91.8 / -0.90	TORONTO DISTRICT SCHOOL BOARD QUEEN VICTORIA PS 100 CLOSE AVENUE TORONTO ON M6K 2V3	GEN
Generator No:	ON9312803			PO Box No:	
Status:				Country:	
Approval Years:	03,04			Choice of Contact:	
Contain. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>25</u>	6 of 10	W/165.2	91.8 / -0.90	BOARD OF EDUCATION FOR CITY OF TORONTO 100 CLOSE AVE. QUEEN VICTORIA Toronto ON M6K 2V3	NPCB
Company Code:	C0218BU				
Industry:	School/Care/Facility				
Site Status:	In-Use				
Transaction Date:	10/23/1991				
Inspection Date:	10/23/1991				
<u>-Details-</u>					
Label:					
Serial No.:					
PCB Type/Code:	Askarel/Askarel				
Location:	QUEEN VIC. CARETAKERS OFF GYM				
Item/State:					
No. of Items:					
Manufacturer:					
Status:	In-Use				
Contents:					
Label:					
Serial No.:					
PCB Type/Code:	Askarel/Askarel				
Location:	QUEEN VIC. FAN RM OFF CARETAKER				
Item/State:					
No. of Items:					
Manufacturer:					
Status:	In-Use				
Contents:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Label:</b> <b>Serial No.:</b> <b>PCB Type/Code:</b> <b>Location:</b> <b>Item/State:</b> <b>No. of Items:</b> <b>Manufacturer:</b> <b>Status:</b> <b>Contents:</b>					
		Askarel/Askarel			
		QUEEN VICTORIA 2ND FL FAN RM			
		In-Use			
<b>Label:</b> <b>Serial No.:</b> <b>PCB Type/Code:</b> <b>Location:</b> <b>Item/State:</b> <b>No. of Items:</b> <b>Manufacturer:</b> <b>Status:</b> <b>Contents:</b>					
		Askarel/Askarel			
		QUEEN VICTORIA BOILER ROOM			
		In-Use			
25	7 of 10	W/165.2	91.8 / -0.90	BOARD OF EDUCATION FOR CITY OF TORONTO 100 CLOSE AVE QUEEN VICTORIA TORONTO ON M6K 2V3	NPCB
<b>Company Code:</b> <b>Industry:</b> <b>Site Status:</b> <b>Transaction Date:</b> <b>Inspection Date:</b>		O0218BU SCHOOL/CARE/FACILITY INSPECTED SITES (NON FEDERAL) 7/15/1993 10/23/1991			
<b>-Details-</b>					
<b>Label:</b> <b>Serial No.:</b> <b>PCB Type/Code:</b> <b>Location:</b> <b>Item/State:</b> <b>No. of Items:</b> <b>Manufacturer:</b> <b>Status:</b> <b>Contents:</b>		OR47555 X2687/7 ASKAREL/ASKAREL CAPACITOR/FULL 1 IN-USE 0.11 L			
<b>Label:</b> <b>Serial No.:</b> <b>PCB Type/Code:</b> <b>Location:</b> <b>Item/State:</b> <b>No. of Items:</b> <b>Manufacturer:</b> <b>Status:</b> <b>Contents:</b>		OR47554 X2688/49 ASKAREL/ASKAREL CAPACITOR/FULL 1 IN-USE 0.07 L			
<b>Label:</b> <b>Serial No.:</b> <b>PCB Type/Code:</b> <b>Location:</b> <b>Item/State:</b> <b>No. of Items:</b> <b>Manufacturer:</b> <b>Status:</b> <b>Contents:</b>		OR47130 X2731/6 ASKAREL/ASKAREL CAPACITOR/FULL 1 IN-USE 1 L			
<b>Label:</b>		OR47131			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Serial No.: PCB Type/Code: Location: Item/State: No. of Items: Manufacturer: Status: Contents:		X2687/B ASKAREL/ASKAREL CAPACITOR/FULL 1 IN-USE 1 L			
25	8 of 10	W/165.2	91.8 / -0.90	TORONTO DISTRICT SCHOOL BOARD QUEEN VICTORIA JPS 100 CLOSE AVE. TORONTO ON M6K 2V3	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON2607253  2016 No No 611110			PO Box No: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Phone No Admin:	
		ELEMENTARY AND SECONDARY SCHOOLS			
Detail(s)					
Waste Class: Waste Class Desc:	148 INORGANIC LABORATORY CHEMICALS				
Waste Class: Waste Class Desc:	263 ORGANIC LABORATORY CHEMICALS				
25	9 of 10	W/165.2	91.8 / -0.90	TORONTO DISTRICT SCHOOL BOARD QUEEN VICTORIA JPS 100 CLOSE AVE. TORONTO ON M6K 2V3	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON2607253  2015 No No 611110			PO Box No: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Phone No Admin:	
		ELEMENTARY AND SECONDARY SCHOOLS			
Detail(s)					
Waste Class: Waste Class Desc:	263 ORGANIC LABORATORY CHEMICALS				
Waste Class: Waste Class Desc:	148 INORGANIC LABORATORY CHEMICALS				
25	10 of 10	W/165.2	91.8 / -0.90	TORONTO DISTRICT SCHOOL BOARD QUEEN VICTORIA JPS 100 CLOSE AVE. TORONTO ON M6K 2V3	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON2607253 Registered As of Jun 2018			PO Box No: Country: Canada Choice of Contact: Co Admin: Phone No Admin:	



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Detail(s)</b>					
Waste Class:		148 C			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		145 I			
Waste Class Desc:		Wastes from the use of pigments, coatings and paints			
Waste Class:		263 C			
Waste Class Desc:		Misc. waste organic chemicals			
<b>26</b>	1 of 1	NNW/174.8	93.8 / 1.10	Oratory of St. Phillip Heri 1362 King Street West Toronto ON M6K 1H3	GEN
Generator No:	ON1904518			PO Box No:	
Status:				Country:	
Approval Years:	03,04			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<b>27</b>	1 of 1	NE/176.0	93.8 / 1.10	ON	BORE
Borehole ID:	644102			Inclin FLG:	No
OGF ID:	215544488			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	FEB-1959			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:	Not Used			Township:	
Sec. Water Use:				Latitude DD:	43.637465
Total Depth m:	-999			Longitude DD:	-79.431901
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Eastling:	626485
Drill Method:	Diamond Drill			Northling:	4332803
Orig Ground Elev m:	93.9			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	94				
Concession:					
Location D:					
Survey D:					
Comments:					
<b>Borehole Geology Stratum</b>					
Geology Stratum ID:	218506265			Mat Consistency:	Dense
Top Depth:	1.2			Material Moisture:	
Bottom Depth:	6.2			Material Texture:	Coarse
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	beach
Gsc Material Description:					
Stratum Description:	SAND-MEDIUM TO COARSE. BROWN GREY BEACH VERY DENSE, AGE POST-GLACIAL				
Geology Stratum ID:	218506266			Mat Consistency:	Dense
Top Depth:	6.2			Material Moisture:	
Bottom Depth:	9.1			Material Texture:	Medium



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:				Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	SAND-MEDIUM SILT GRAVEL GREY GLACIAL VERY DENSE AGE GLACIAL				
Geology Stratum ID:	218506269			Mat Consistency:	
Top Depth:	14.6			Material Moisture:	
Bottom Depth:				Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Shale			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	Ordovician
Material 4:				Depositional Gen:	marine
Gsc Material Description:					
Stratum Description:	SHALE MARINE AGE ORDOVICIAN 000000300003807800205100 **Note: Many records provided by the department have a truncated [Stratum Description] field				
Geology Stratum ID:	218506267			Mat Consistency:	
Top Depth:	8.1			Material Moisture:	
Bottom Depth:	10.4			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Clay			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:	Shale			Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	SILT CLAY GRAVEL SHALE GLACIAL AGE GLACIAL				
Geology Stratum ID:	218506268			Mat Consistency:	Hard
Top Depth:	10.4			Material Moisture:	
Bottom Depth:	14.6			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Shale			Geologic Formation:	
Material 2:	Till			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:	Clay			Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	SHALE TILL SILT CLAY GREY GLACIAL HARD LAYERED AGE GLACIAL				
Geology Stratum ID:	218506264			Mat Consistency:	Dense
Top Depth:	0			Material Moisture:	
Bottom Depth:	1.2			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Fill			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	fill
Gsc Material Description:					
Stratum Description:	FILL DENSE				
<b>Source</b>					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	M			Horizontal:	NAD27
Observat:				Vertical:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: TOR2.txt RecordID: 121230 NTS_Sheet: 30M11E				
Confiden 1:	Reliable information but incomplete				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Source List</b>					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				
<b>28</b>	<b>1 of 2</b>	<b>N/185.8</b>	<b>94.2 / 1.49</b>	<b>184 DUNN AVENUE TORONTO ON M6K 2R9</b>	<b>HINC</b>
<b>External File Num:</b> FS INC 0807-04002 <b>Fuel Occurrence Type:</b> Pipeline Strike <b>Date of Occurrence:</b> 7/28/2008 <b>Fuel Type Involved:</b> Natural Gas <b>Status Desc:</b> Completed - No Action Required <b>Job Type Desc:</b> Incident/Near-Miss Occurrence (FS) <b>Oper. Type Involved:</b> Construction Site (pipeline strike) <b>Service Interruptions:</b> No <b>Property Damage:</b> No <b>Fuel Life Cycle Stage:</b> Transmission, Distribution and Transportation <b>Root Cause:</b> <b>Reported Details:</b> <b>Fuel Category:</b> Gaseous Fuel <b>Occurrence Type:</b> Incident <b>Affiliation:</b> Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) <b>County Name:</b> Toronto <b>Approx. Quant. Rel.:</b> <b>Nearby body of water:</b> <b>Enter Drainage Syst.:</b> <b>Approx. Quant. Unit:</b> <b>Environmental Impact:</b>					
<b>28</b>	<b>2 of 2</b>	<b>N/185.8</b>	<b>94.2 / 1.49</b>	<b>184 DUNN AVENUE TORONTO ON M6K 2R9</b>	<b>HINC</b>
<b>External File Num:</b> FS INC 0701-00273 <b>Fuel Occurrence Type:</b> Pipeline Strike <b>Date of Occurrence:</b> 11/29/2006 <b>Fuel Type Involved:</b> Natural Gas <b>Status Desc:</b> Completed - Causal Analysis(End) <b>Job Type Desc:</b> Incident/Near-Miss Occurrence (FS) <b>Oper. Type Involved:</b> Private Dwelling <b>Service Interruptions:</b> Yes <b>Property Damage:</b> No <b>Fuel Life Cycle Stage:</b> Utilization <b>Root Cause:</b> Root Cause: Equipment/Material/Component No Procedures Yes Maintenance No Design No Training Yes Management Yes Human Factors No <b>Reported Details:</b> <b>Fuel Category:</b> Gaseous Fuel <b>Occurrence Type:</b> Incident <b>Affiliation:</b> Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) <b>County Name:</b> Toronto <b>Approx. Quant. Rel.:</b> <b>Nearby body of water:</b> <b>Enter Drainage Syst.:</b> <b>Approx. Quant. Unit:</b> <b>Environmental Impact:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>29</u>	1 of 1	SW/186.8	90.9 / -1.86	87 & 91 Jameson Avenue Toronto ON	EHS
Order No:		20120705026	Nearest Intersection:		
Status:		C	Municipality:		ON
Report Type:		Standard Report	Client Prov/State:		25
Report Date:		09-JUL-12	Search Radius (km):		-79.434782
Date Received:		05-JUL-12	X:		43.634967
Previous Site Name:			Y:		
Lot/Building Size:					
Additional Info Ordered:					
<u>30</u>	1 of 1	SE/194.5	91.1 / -1.65	Smellie [John J] 105 Dunn Ave Toronto ON M6K 2R8	TANK
Permit Date:		1930			
Permit Type:		BP A34775			
User Type:					
Installation Type:		Fuel oil tank			
Installation Size:					
Installation Config:		1 x Fuel oil tank			
No. Tanks Installed:		1			
Units of Measure:					
Value/Tank (\$):		25			
Capacity(gal):					
Reference:		CTA Building permits			
Location Desc:					
<u>31</u>	1 of 1	ENE/197.6	93.0 / 0.27	Jayn Simpson 101 Cowan Ave Unit 5 Toronto ON M6K 2N1	SCT
Established:		01-AUG-98			
Plant Size (HP):					
Employment:					
<del>-Details-</del>					
Description:		Women's and Girls' Cut and Sew Dress Manufacturing			
SIC/NAICS Code:		315233			
Description:		Women's and Girls' Cut and Sew Dress Manufacturing			
SIC/NAICS Code:		315233			
<u>32</u>	1 of 2	SW/199.5	90.9 / -1.85	DAMIS PROPERTIES INC. 87 JAMESON AVENUE TORONTO CITY ON M6K 2W8	CA
Certificate #:		8-3339-97-			
Application Year:		97			
Issue Date:		9/30/1997			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		6KW EMERGENCY DIESEL GENERATOR			
Contaminants:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Emission Control:</b>					
32	2 of 2	SW/199.5	90.9 / -1.85	Dufferin Concrete<UNOFFICIAL> 87 Jaimeson Street, north of Gardiner<UNOFFICIAL> Toronto ON	SPL
<div> <div> Ref No: 3605-8N8Q6C  Site No:  Incident Dt: 11/2/2011  Year:  Incident Cause: Other Transport Accident  Incident Event:  Contaminant Code: 13  Contaminant Name: DIESEL FUEL  Contaminant Limit 1:  Contam Limit Freq 1:  Contaminant UN No 1:  Environment Impact: Confirmed  Nature of Impact: Soil Contamination  Receiving Medium:  Receiving Env:  MOE Response:  Dt MOE Arvl on Scn:  MOE Reported Dt: 11/2/2011  Dt Document Closed:  Incident Reason: Unknown - Reason not determined  Site Name: 87 Jaimeson Street, north of Gardiner&lt;UNOFFICIAL&gt;  Site County/District:  Site Geo Ref Meth:  Incident Summary:  Contaminant Qty: Dufferin Concrete, 100 L diesel to gnd and c/b  100 L </div> <div> Discharger Report:  Material Group:  Health/Env Conseq:  Client Type:  Sector Type:  Agency Involved:  Nearest Watercourse:  Site Address:  Site District Office:  Site Postal Code:  Site Region:  Site Municipality: Toronto  Site Lot:  Site Conc:  Northling:  Easting:  Site Geo Ref Accu:  Site Map Datum:  SAC Action Class: Watercourse Spills  Source Type: </div> </div>					
33	1 of 1	S/201.1	90.8 / -1.90	ON	BORE
<div> <div> Borehole ID: 636752  OGF ID: 215537149  Status:  Type: Borehole  Use: Geotechnical/Geological investigation  Completion Date: APR-1970  Static Water Level: 0.9  Primary Water Use: Not Used  Sec. Water Use:  Total Depth m: 9.1  Depth Ref: Ground Surface  Depth Elev:  Drill Method: Power auger  Orig Ground Elev m: 88.4  Elev Reliabil Note:  DEM Ground Elev m: 90.1  Concession:  Location D:  Survey D:  Comments: </div> <div> Inclin FLG: No  SP Status: Initial Entry  Surv Elev: No  Piezometer: No  Primary Name:  Municipality:  Lot:  Township:  Latitude DD: 43.634517  Longitude DD: -79.43359  UTM Zone: 17  Easting: 626355  Northling: 4832473  Location Accuracy:  Accuracy: Not Applicable </div> </div>					
<b>Borehole Geology Stratum</b>					
<div> <div> Geology Stratum ID: 218478209  Top Depth: 4.6 </div> <div> Mat Consistency: Hard  Material Moisture: </div> </div>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bottom Depth:	6.4			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	glacial
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	TILL,SILT,SAND, GREY, GLACIAL, HARD AGE GLACIAL				
Geology Stratum ID:	218478206			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	1.2			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Fill			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Clay			Geologic Period:	fill
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	FILL,SILT,CLAY, BROWN				
Geology Stratum ID:	218478210			Mat Consistency:	Dense
Top Depth:	6.4			Material Moisture:	
Bottom Depth:	9.1			Material Texture:	Fine to Medium
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	glacial
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND-FINE TO MEDIUM, GREY, GLACIAL, VERY DENSE, AGE GLACIAL. 000000100004002000100070001500800021007 **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218478207			Mat Consistency:	Dense
Top Depth:	1.2			Material Moisture:	
Bottom Depth:	3			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:				Geologic Period:	glacial
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SILT, SAND, BROWN, GLACIAL, DENSE, AGE GLACIAL, WATER STABLE AT 287.0 FEET.				
Geology Stratum ID:	218478208			Mat Consistency:	Dense
Top Depth:	3			Material Moisture:	
Bottom Depth:	4.8			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:				Geologic Period:	glacial
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SILT, SAND, GREY, GLACIAL, VERY DENSE, AGE GLACIAL.				
<b>Source</b>					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Org:	Geological Survey of Canada			Source Idem:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	M			Horizontal:	NAD27
Observatio:				Vertical:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: TOR1A.txt RecordID: 047120 NTS_Sheet: 30M11E				
Confiden 1:	Reliable information but incomplete.				

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

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

34	1 of 1	NW206.6	93.8 / 1.10	PRIVATE RESIDENCE 124 CLOSE AVENUE, FURNACE OIL TANK TORONTO CITY ON M6K 2V5	SPL
Ref No:	159174	Discharger Report:			
Site No:		Material Group:			
Incident Dt:	8/19/1998	Health/Env Conseq:			
Year:		Client Type:			
Incident Cause:	PIPE/HOSE LEAK	Sector Type:			
Incident Event:		Agency Involved:			
Contaminant Code:		Nearest Watercourse:			
Contaminant Name:		Site Address:			
Contaminant Limit 1:		Site District Office:			
Contam Limit Freq 1:		Site Postal Code:			
Contaminant UN No 1:		Site Region:			
Environment Impact:	POSSIBLE	Site Municipality:	U1108		
Nature of Impact:	Soil contamination	Site Lot:			
Receiving Medium:	LAND	Site Conc:			
Receiving Env:		Northing:			
MOE Response:		Eastling:			
Dt MOE Avail on Scn:		Site Geo Ref Accu:			
MOE Reported Dt:	8/19/1998	Site Map Datum:			
Dt Document Closed:		SAC Action Class:			
Incident Reason:	EQUIPMENT FAILURE	Source Type:			
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	PRIVATE RESIDENCE-200 L FURNACE OIL TO DIRT, BROKEN CONCRETE FLOOR				
Contaminant Qty:					

35	1 of 2	W/210.1	91.8 / -0.90	120 Jameson Avenue Toronto ON M6K 2Y1	EHS
Order No:	20010412001	Nearest Intersection:	Lakeshore Blvd, west of Ontario Place		
Status:	C	Municipality:	ON		
Report Type:	Site Report	Client Prov/State:	0.25		
Report Date:	4/15/01	Search Radius (km):	-79.435662		
Date Received:	4/12/01	X:	43.635758		
Previous Site Name:		Y:			
Lot/Building Size:					
Additional Info Ordered:					

35	2 of 2	W/210.1	91.8 / -0.90	120 Jameson Avenue Toronto ON M6K 2Y1	EHS
Order No:	20070725036	Nearest Intersection:	Jameson Avenue and King Street W		
Status:	C	Municipality:			
Report Type:	CAN - Basic Report	Client Prov/State:	0.25		
Report Date:	7/31/2007	Search Radius (km):	-79.435874		
Date Received:	7/25/2007	X:	43.635749		
Previous Site Name:		Y:			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Lot/Building Size: Additional Info Ordered:					

36	1 of 1	NNE/211.2	94.8 / 2.10	1355 KING ST. WEST TORONTO ON	WWIS
<div> <div> Well ID: 6929123  Construction Date:  Primary Water Use: Not Used  Sec. Water Use:  Final Well Status: Observation Wells  Water Type:  Casing Material:  Audit No: Z32364  Tag: A023407  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: 7/13/2005  Selected Flag: Yes  Abandonment Rec:  Contractor: 7295  Form Version: 3  Owner:  Street Name: 1355 KING ST. WEST  County: YORK AND TORONTO  Municipality: TORONTO CITY  Site Info:  Lot:  Concession:  Concession Name:  Easting NAD83:  Northing NAD83:  Zone:  UTM Reliability: </div> </div>					
PDF URL (Map): <a href="https://d2kxhazk8e83rdv.cloudfront.net/moe_mapping/downloads/2/Water/Wells_pdfs/6929123.pdf">https://d2kxhazk8e83rdv.cloudfront.net/moe_mapping/downloads/2/Water/Wells_pdfs/6929123.pdf</a>					

#### Bore Hole Information

Bore Hole ID: 11328092	Elevation: 94.429275
DP2BR:	Elevr: 17
Spatial Status:	Zone: 626428.6
Code OB: 0	East83: 4832875
Code OB Desc: Overburden	North83: G83g
Open Hole:	Org CS: 4
Cluster Kind:	UTMRC:
Date Completed: 7/14/2005	UTMRC Desc: margin of error : 30 m - 100 m
Remarks:	Location Method: wwt
Elevr Desc:	
Location Source Date:	
Improvement Location Source:	
Improvement Location Method:	
Source Revision Comment:	
Supplier Comment:	

#### Overburden and Bedrock Materials Interval

Formation ID: 933038211
Layer: 2
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 06
Mat2 Desc: SILT
Mat3:
Mat3 Desc:
Formation Top Depth: 2.5
Formation End Depth: 4.6

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933038210			
Layer:		1			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		01			
Mat3 Desc:		FILL			
Formation Top Depth:		0			
Formation End Depth:		2.5			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933272552			
Layer:		1			
Plug From:		0			
Plug To:		1.3			
Plug Depth UOM:		m			
<u>Method of Construction &amp; Well Use</u>					
Method Construction ID:		968929123			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11342947			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930873078			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		1.5			
Casing Diameter:		2.4			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		933413556			
Layer:		1			
Slot:		20			
Screen Top Depth:		1.5			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen End Depth:		4.6			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		3			
<b>Hole Diameter</b>					
Hole ID:		11549216			
Diameter:		22			
Depth From:		0			
Depth To:		4.6			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

37 1 of 1 ENE/211.9 93.8 / 1.10 ON WWIS

Well ID:	6905501	Data Entry Status:	
Construction Date:		Data Src:	8
Primary Water Use:	Not Used	Date Received:	1/15/1961
Sec. Water Use:	0	Selected Flag:	Yes
Final Well Status:	Test Hole	Abandonment Rec:	
Water Type:		Contractor:	3414
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	YORK AND TORONT
Elevation (m):		Municipality:	TORONTO 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:			
PDF URL (Map):	<a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/6906905501.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/6906905501.pdf</a>		

#### Bore Hole Information

Bore Hole ID:	10496206	Elevation:	94 035301
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	0	East83:	626530.7
Code OB Desc:	Overburden	North83:	4632806
Open Hole:		Org CS:	9
Cluster Kind:		UTMRC:	
Date Completed:	11/15/1960	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

#### Overburden and Bedrock Materials Interval

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Formation ID:		932728734			
Layer:		1			
Color:					
General Color:					
Mat1:		01			
Most Common Material:		FILL			
Mat2:		09			
Mat2 Desc:		MEDIUM SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		2			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		932728735			
Layer:		2			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		3			
Formation End Depth:		14			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		932728736			
Layer:		3			
Color:					
General Color:					
Mat1:		09			
Most Common Material:		MEDIUM SAND			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		14			
Formation End Depth:		28			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		932728737			
Layer:		4			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		28			
Formation End Depth:		42			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Formation End Depth UOM:</b> ft					
<b>Method of Construction &amp; Well Use</b>					
Method Construction ID:	986905501				
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
<b>Pipe Information</b>					
Pipe ID:	11044776				
Casing No:	1				
Comment:					
Alt Name:					
<b>Construction Record - Casing</b>					
Casing ID:	930808542				
Layer:	1				
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:	10				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<b>Water Details</b>					
Water ID:	933989009				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	14				
Water Found Depth UOM:	ft				
<b>38</b>	1 of 1	SSW/212.6	90.9 / -1.80	KEEWATIN PROPERTY MANAGEMENT CORP. 22 CLOSE AVE. TORONTO ON M6K 2V4	GEN
Generator No:	ON0107900			PO Box No:	
Status:				Country:	
Approval Years:	86,87,88,89,90,92,93,94			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	0000				
SIC Description:	*** NOT DEFINED ***				
<b>39</b>	1 of 6	NNW/215.1	93.8 / 1.10	Toronto Catholic District School Board 141 Close Avenue Toronto ON M6K 2V6	GEN
Generator No:	ON4957655			PO Box No:	
Status:				Country:	
Approval Years:	2009			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	611110				
SIC Description:	Elementary and Secondary Schools				



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

Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	283
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS

39	2 of 6	NNW/215.1	93.8 / 1.10	Toronto Catholic District School Board 141 Close Avenue Toronto ON M6K 2V6	GEN
Generator No:	ON5198996	PO Box No:			
Status:		Country:	Canada		
Approval Years:	2016	Choice of Contact:	CO_OFFICIAL		
Contam. Facility:	No	Co Admin:	Kelly Kwon		
MHSW Facility:	No	Phone No Admin:	416-222-8282 Ext.2111		
SIC Code:	811110				
SIC Description:	ELEMENTARY AND SECONDARY SCHOOLS				

Detail(s)

Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES

39	3 of 6	NNW/215.1	93.8 / 1.10	Toronto Catholic District School Board 141 Close Avenue Toronto ON M6K 2V6	GEN
Generator No:	ON5198996	PO Box No:			
Status:		Country:	Canada		
Approval Years:	2015	Choice of Contact:	CO_OFFICIAL		
Contam. Facility:	No	Co Admin:	Kelly Kwon		
MHSW Facility:	No	Phone No Admin:	416-222-8282 Ext.2111		
SIC Code:	811110				
SIC Description:	ELEMENTARY AND SECONDARY SCHOOLS				

Detail(s)

Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES

39	4 of 6	NNW/215.1	93.8 / 1.10	Toronto Catholic District School Board 141 Close Avenue Toronto ON M6K 2V6	GEN
Generator No:	ON5198996	PO Box No:			
Status:		Country:	Canada		
Approval Years:	2014	Choice of Contact:	CO_OFFICIAL		
Contam. Facility:	No	Co Admin:	Kelly Kwon		
MHSW Facility:	No	Phone No Admin:	416-222-8282 Ext.2111		
SIC Code:	811110				
SIC Description:	ELEMENTARY AND SECONDARY SCHOOLS				

Detail(s)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class: Waste Class Desc:		312 PATHOLOGICAL WASTES			
39	5 of 6	NNW/215.1	93.8 / 1.10	Toronto Catholic District School Board 141 Close Avenue Toronto ON M6K 2V6	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON5198996 Registered As of Dec 2018		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	Canada
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		148 C Misc. wastes and inorganic chemicals			
Waste Class: Waste Class Desc:		148 I Misc. wastes and inorganic chemicals			
Waste Class: Waste Class Desc:		312 P Pathological wastes			
39	6 of 6	NNW/215.1	93.8 / 1.10	Toronto Catholic District School Board 141 Close Avenue Toronto ON M6K 2V6	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON5198996 Registered As of Jul 2020		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	Canada
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		148 C Misc. wastes and inorganic chemicals			
Waste Class: Waste Class Desc:		312 P Pathological wastes			
Waste Class: Waste Class Desc:		148 I Misc. wastes and inorganic chemicals			
40	1 of 1	W/216.5	92.8 / 0.10	140 - 146 JAMESON AVENUE TORONTO ON M6K 2X5	EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordered:		20070102034 C CAN - Complete Report 1/11/2007 1/2/2007		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	King Street W & Jameson Ave Toronto -79.436237 43.838773

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">41</a>	1 of 1	SE/220.9	90.9 / -1.87	Associated Flooring Services 97 Dunn Ave Toronto ON M6K 2R8	SCT
Established: Plant Size (HF): Employment:		01-JAN-03			
-Details- Description: SIC/NAICS Code:		Flooring Contractors 238330			
Description: SIC/NAICS Code:		Flooring Contractors 238330			
Description: SIC/NAICS Code:		Metal Service Centres 415210			
Description: SIC/NAICS Code:		Wholesale Trade Agents and Brokers 419120			
<a href="#">42</a>	1 of 1	E/221.9	92.8 / 0.10	Lennox Isaac 90 Spencer Ave Toronto ON M6K 2J6	TANK
Permit Date:		9/27/1921			
Permit Type:		BP 53715			
User Type:		Oil Tank			
Installation Type:		Oil Tank			
Installation Size:		1 x fuel oil tank			
Installation Config.:		1			
No. Tanks Installed:		1			
Units of Measure:		250			
Value/Tank (\$):		250			
Capacity(gal):		250			
Reference:		CTA Building permits			
Location Desc:		CTA Building permits			
<a href="#">43</a>	1 of 1	NE/222.1	94.5 / 1.76	Turnhill [RJ] 1313 King St W Toronto ON M6K 1G9	TANK
Permit Date:		4/26/1919			
Permit Type:		BP 34021			
User Type:		Fuel tank			
Installation Type:		Fuel tank			
Installation Size:		1 x Fuel tank			
Installation Config.:		1			
No. Tanks Installed:		1			
Units of Measure:		100			
Value/Tank (\$):		100			
Capacity(gal):		100			
Reference:		CTA Building permits			
Location Desc:		King St W se cor Cowan			
<a href="#">44</a>	1 of 1	NNE/222.4	94.8 / 2.10	Becker H 1330 King St W Toronto ON M6K 1H1	TANK

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Permit Date:</b> 11/11/1915 <b>Permit Type:</b> BP 19346 <b>User Type:</b> <b>Installation Type:</b> Gasoline tank, install <b>Installation Size:</b> <b>Installation Config.:</b> 1 x Gasoline tank <b>No. Tanks Installed:</b> 1 <b>Units of Measure:</b> <b>Value/Tank (\$):</b> 200 <b>Capacity(gal):</b> <b>Reference:</b> CTA Building permits <b>Location Desc:</b>					
45	1 of 9	WNW/223.3	92.8 / 0.10	FIRST STEP NON-PROFIT HOMES 149 JAMESON AVENUE TORONTO ON M6K 2Y3	NPCB
<b>Company Code:</b> F0954 <b>Industry:</b> <b>Site Status:</b> <b>Transaction Date:</b> 1/29/1996 <b>Inspection Date:</b>  <b>-Details-</b> <b>Label:</b> <b>Serial No.:</b> <b>PCB Type/Code:</b> Askarel <b>Location:</b> <b>Item/State:</b> <b>No. of Items:</b> <b>Manufacturer:</b> <b>Status:</b> Stored for Disposal <b>Contents:</b> 400.00 KG					
45	2 of 9	WNW/223.3	92.8 / 0.10	Ecuhome Corporation 149 JAMESON AVENUE TORONTO ON M6K 2Y3	OPCB
<b>Year:</b> 1998 <b>Site Number:</b> 30193A050 <b>Name Owner:</b> <b>Additional Site Information:</b>					
45	3 of 9	WNW/223.3	92.8 / 0.10	Ecuhome Corporation 149 JAMESON AVENUE TORONTO ON M6K 2Y3	OPCB
<b>Year:</b> 1999 <b>Site Number:</b> 30193A050 <b>Name Owner:</b> <b>Additional Site Information:</b>					
45	4 of 9	WNW/223.3	92.8 / 0.10	Ecuhome Corporation 149 JAMESON AVENUE TORONTO ON M6K 2Y3	OPCB
<b>Year:</b> 2000 <b>Site Number:</b> 30193A050					
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Name Owner: Additional Site Information:					
45	5 of 9	WNW/223.3	92.8 / 0.10	Ecuhome Corporation 149 JAMESON AVENUE TORONTO ON M6K 2Y3	OPCB
Year:		2003			
Site Number:		30193A050			
Name Owner:					
Additional Site Information:					
45	6 of 9	WNW/223.3	92.8 / 0.10	FIRST STEP NON-PROFIT HOMES 149 JAMESON AVENUE TORONTO ON M6K 2Y3	OPCB
Year:		1995			
Site Number:		30193A050			
Name Owner:					
Additional Site Information:					
-Details-					
Quantity:		1.00			
Address Site:					
Description:		Number of Drums of Ballasts with High Level PCBs (>1000 ppm)			
Quantity:		200.00			
Address Site:					
Description:		Weight of Drums of Ballasts with High Level PCBs (>1000 ppm) kg			
45	7 of 9	WNW/223.3	92.8 / 0.10	Ecuhome Corporation 149 JAMESON AVENUE TORONTO ON M6K 2Y3	OPCB
Year:		2004			
Site Number:		30193A050			
Name Owner:					
Additional Site Information:					
45	8 of 9	WNW/223.3	92.8 / 0.10	ECUHOME CORPORATION 149 JAMESON AVENUE TORONTO ON M6K 2Y3	NPCB
Company Code:		F0898			
Industry:		UNDEFINED			
Site Status:					
Transaction Date:					
Inspection Date:					
45	9 of 9	WNW/223.3	92.8 / 0.10	ECUHOME CORPORATION 149 JAMESON AVENUE TORONTO ON M6K 2Y3	NPCB
Company Code:		Q005041			
Industry:		OTHER			
Site Status:		ITEMS SENT TO SWAN HILLS			

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Order No. 20312500014



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Transaction Date: Inspection Date:					
46	1 of 2	SE/228.5	90.9 / -1.87	95 Dunn Avenue<UNOFFICIAL> Toronto ON M6K 2R8	SPL
Ref No: 8555-8JSW2P Site No: Incident Dt: 7/15/2011 Year: Incident Cause: Incident Event: Contaminant Code: 35 Contaminant Name: NATURAL GAS (METHANE) Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Not Anticipated Nature of Impact: Receiving Medium: Receiving Env: MOE Response: Not MOE mandate Dt MOE Arvi on Scn: MOE Reported Dt: 7/15/2011 Dt Document Closed: 10/19/2011 Incident Reason: Site Name: 95 Dunn Avenue<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: TSSA/Resident-22 Min Natural Gas Release 1/2" line struck Contaminant Qty:					
Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: Toronto Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: TSSA - Fuel Safety Branch Source Type:					
46	2 of 2	SE/228.5	90.9 / -1.87	95 Dunn Avenue, Toronto ON M6K 2R8	FINC
Incident ID: 2783058 Incident No: 626394 Incident Reported Dt: Type: FS-Pipeline Incident Status Code: Home Owner Pipeline Strike Customer Acct Name: Incident Address: Tank Status: Task No: Spills Action Centre: 8555-8JSW2P Fuel Type: Fuel Occurrence Tp: Date of Occurrence: Occurrence Start Dt: Operation Type: Pipeline Type: Regulator Type: Summary: 95 Dunn Avenue, Toronto - 1/2" Pipeline Hit Reported By: Chris Foxan - Enbridge Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) Occurrence Desc: Damage Reason: Notes:					
Fuel Category: Heating Fuel Health Impact: Environment Impact: Property Damage: Service Interrupt: Enforce Policy: Public Relation: Pipeline System: Depth: Pipe Material: PSIG: Attribute Category: Regulator Location: Method Details: utility damage					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
47	1 of 1	SSW/229.4	89.6 / -3.19	ON	BORE
<div> <div> <b>Borehole ID:</b> 647262  <b>OGF ID:</b> 215547643  <b>Status:</b>  <b>Type:</b> Borehole  <b>Use:</b> Geotechnical/Geological Investigation  <b>Completion Date:</b> AUG-1955  <b>Static Water Level:</b> 0.6  <b>Primary Water Use:</b> Not Used  <b>Sec. Water Use:</b>  <b>Total Depth m:</b> 6.1  <b>Depth Ref:</b> Ground Surface  <b>Depth Elev:</b>  <b>Drill Method:</b> Diamond Drill  <b>Orig Ground Elev m:</b> 88.4  <b>Elev Reliabil Note:</b>  <b>DEM Ground Elev m:</b> 89  <b>Concession:</b>  <b>Location D:</b>  <b>Survey D:</b>  <b>Comments:</b> </div> <div> <b>Inclin FLG:</b> No  <b>SP Status:</b> Initial Entry  <b>Surv Elev:</b> No  <b>Piezometer:</b> No  <b>Primary Name:</b>  <b>Municipality:</b>  <b>Loc:</b>  <b>Township:</b>  <b>Latitude DD:</b> 43.634441  <b>Longitude DD:</b> -79.434583  <b>UTM Zone:</b> 17  <b>Easting:</b> 626275  <b>Northing:</b> 4832463  <b>Location Accuracy:</b>  <b>Accuracy:</b> Not Applicable </div> </div>					
<b>Borehole Geology Stratum</b>					
<div> <div> <b>Geology Stratum ID:</b> 218518318  <b>Top Depth:</b> 0  <b>Bottom Depth:</b> 1.2  <b>Material Color:</b>  <b>Material 1:</b> Fill  <b>Material 2:</b> Clay  <b>Material 3:</b> Silt  <b>Material 4:</b>  <b>Gsc Material Description:</b>  <b>Stratum Description:</b> FILL, CLAY, SILT </div> <div> <b>Mat Consistency:</b>  <b>Material Moisture:</b>  <b>Material Texture:</b>  <b>Non Geo Mat Type:</b>  <b>Geologic Formation:</b>  <b>Geologic Group:</b>  <b>Geologic Period:</b>  <b>Depositional Gen:</b> fill </div> </div>					
<div> <div> <b>Geology Stratum ID:</b> 218518319  <b>Top Depth:</b> 1.2  <b>Bottom Depth:</b> 2.4  <b>Material Color:</b> Brown  <b>Material 1:</b> Silt  <b>Material 2:</b> Sand  <b>Material 3:</b>  <b>Material 4:</b>  <b>Gsc Material Description:</b>  <b>Stratum Description:</b> SILT, SAND, BROWN, LACUSTRINE, AGE GLACIAL, WATER STABLE AT 288.0 FEET </div> <div> <b>Mat Consistency:</b>  <b>Material Moisture:</b>  <b>Material Texture:</b>  <b>Non Geo Mat Type:</b>  <b>Geologic Formation:</b>  <b>Geologic Group:</b>  <b>Geologic Period:</b>  <b>Depositional Gen:</b> lacustrine </div> </div>					
<div> <div> <b>Geology Stratum ID:</b> 218518320  <b>Top Depth:</b> 2.4  <b>Bottom Depth:</b> 6.1  <b>Material Color:</b>  <b>Material 1:</b> Silt  <b>Material 2:</b> Sand  <b>Material 3:</b> Gravel  <b>Material 4:</b>  <b>Gsc Material Description:</b>  <b>Stratum Description:</b> SILT, SAND, GRAVEL, FLUVIO-GLACIAL, MOIST, AGE GLACIAL, 00000007000400130006007500002AND, GRA </div> <div> <b>Mat Consistency:</b>  <b>Material Moisture:</b> Moist  <b>Material Texture:</b>  <b>Non Geo Mat Type:</b>  <b>Geologic Formation:</b>  <b>Geologic Group:</b>  <b>Geologic Period:</b>  <b>Depositional Gen:</b> glacial </div> </div>					
<div> <b>*Note:</b> Many records provided by the department have a truncated [Stratum Description] field. </div>					
<b>Source</b>					
<div> <div> <b>Source Type:</b> Data Survey  <b>Source Orig:</b> Geological Survey of Canada </div> <div> <b>Source Appl:</b>  <b>Source Id:</b> Spatial/Tabular 1 </div> </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Date: Confidence: Observation: Source Name: Source Details: Confiden 1:	1956-1972 M			Scale or Res: Horizontal: Vertical: Urban Geology Automated Information System (UGAIS) File: TOR2.txt RecordID: 152880 NTS_Sheet: 30M11E Reliable information but incomplete.	Vanes NAD27 Mean Average Sea Level
<b>Source List</b>					
Source Identifier: Source Type: Source Date: Scale or Resolution: Source Name: Source Originators:	1 Data Survey 1956-1972 Varies Urban Geology Automated Information System (UGAIS) Geological Survey of Canada			Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator
48	1 of 1	WNW/230.5	92.8 / 0.10	City of Toronto King St W and Jameson Ave, (North East corner) Toronto ON	SPL
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Code: Contaminant Name:	6680-AKUQH4  3/27/2017  Leak/Break 98 UNKNOWN			Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address:	2 - Minor Environment Municipal Government Unknown / N/A King St W and Jameson Ave, (North East corner)
Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: Dt Document Closed: Incident Reason: Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: Contaminant Qty:	 n/a  Land 3/27/2017 Unknown / N/A location of the spill<UNOFFICIAL> Toronto Water, unknown liquid in catchbasin, cntd. cleaning 0 other - see incident description			Site District Office: Site Postal Code: Site Region: Site Municipality: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	Toronto - District Central Toronto 4832765 626154 Unknown / N/A
49	1 of 1	WSW/235.4	91.8 / -0.93	100 JAMESON AVENUE TORONTO ON	HINC
External File Num: Fuel Occurrence Type: Date of Occurrence: Fuel Type Involved: Status Desc: Job Type Desc: Oper. Type Involved: Service Interruptions: Property Damage: Fuel Life Cycle Stage: Root Cause:	FS INC 0706-02763 CO Release 6/6/2007 Natural Gas Completed - Causal Analysis(End) Incident/Near-Miss Occurrence (FS) Multi-unit Residential No No Utilization Root Cause: Equipment/Material/Component No Management:No Human Factors:No			Procedures:Yes Maintenance:No Design:No Training:No	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Reported Details:</b> Fuel Category: Unknown Occurrence Type: Incident Affiliation: Emergency Services (Fire, Police, etc) County Name: Toronto Approx. Quant. Rel: Nearby body of water: Enter Drainage Syst.: Approx. Quant. Unit: Environmental Impact:					
50	1 of 6	WNW/237.8	92.8 / 0.10	913141 ONTARIO LIMITED O/A BOB'S NO FRILLS 1435 KING STREET WEST TORONTO ON M6K 1H9	PES
<b>Detail Licence No:</b> Licence No: Status: Approval Date: Report Source: Licence Type: Vendor Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:		<b>Operator Box:</b> Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:			
50	2 of 6	WNW/237.8	92.8 / 0.10	1566419 ONTARIO LIMITED O/A JOSEPH'S NO FRILLS 1435 KING ST W TORONTO ON M6K 1H9	PES
<b>Detail Licence No:</b> Licence No: Status: Approval Date: Report Source: Licence Type: Limited Vendor Licence Type Code: 23 Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:		<b>Operator Box:</b> Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
50	3 of 6	WNW/237.8	92.8 / 0.10	LOBLAWS INC O/A NOFRILLS #1358 1435 KING ST W TORONTO ON M6K 1H9	PES
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Licence Type Code: Limited Vendor Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:		Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:			
50	4 of 6	WNW/237.8	92.8 / 0.10	LOBLAWS INC O/A NO FRILLS #3917 1435 KING ST TORONTO ON M6K1H9	PES
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:		Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Vendor Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:			
50	5 of 6	WNW/237.8	92.8 / 0.10	1666419 ONTARIO LIMITED O/A JOSEPH'S NO FRILLS 1435 KING ST W TORONTO ON M6K 1H9	PES
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Licence Type Code: Vendor Licence Class: Licence Control: Latitude: Longitude:		Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District:			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Lot: Concession: Region: District: County: Trade Name: PDF Link:				Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	
<a href="#">50</a>	6 of 6	WNW/237.8	92.8 / 0.10	2233007 ONTARIO LIMITED O/A PAOLO'S NO FRILLS 1435 KING ST TORONTO ON M6K1M9	<a href="#">PES</a>
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:	Vendor			Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	
<a href="#">51</a>	1 of 8	WNW/237.9	92.8 / 0.10	1235234 ONTARIO LIMITED 1435 KING ST W TORONTO ON M6K1H9	<a href="#">PES</a>
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:	23-01-11233-0 11233  Legacy Licenses (Excluding TS) Limited Vendor 23 01 0  3 19			Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	   905 5339610   3 62
<a href="#">51</a>	2 of 8	WNW/237.9	92.8 / 0.10	2337649 ONTARIO LIMITED O/A VI'S NO FRILLS 1435 KING ST W TORONTO ON M6K1H9	<a href="#">PES</a>
Detail Licence No:				Operator Box:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Licence No: Status: Approval Date: Report Source: Licence Type: Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:	16226			Operator Class: Operator No: Operator Type: Oper Area Code: 416 Oper Phone No: 5331956 Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	
51	3 of 8	WNW/237.9	92.8 / 0.10	1181572 ONTARIO LIMITED 1435 KING STREET WEST TORONTO ON M6K1H9	PES
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:	11107			Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: 416 Oper Phone No: 5336887 Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	
51	4 of 8	WNW/237.9	92.8 / 0.10	LOBLAWS INC O/A NO FRILLS #3917 1435 KING ST TORONTO ON M6K1H9	PES
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:	14481			Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: 416 Oper Phone No: 5331956 Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	

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

51	5 of 8	WNW/237.9	92.8 / 0.10	LOBLAWS INC O/A NOFRILLS #1358 1435 KING ST W TORONTO ON M6K1M9	PES
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<b>Detail Licence No:</b> <b>Licence No:</b> 13372 <b>Status:</b> <b>Approval Date:</b> <b>Report Source:</b> Legacy Licenses (Excluding TS) <b>Licence Type:</b> Limited Vendor <b>Licence Type Code:</b> 23 <b>Licence Class:</b> 01 <b>Licence Control:</b> <b>Latitude:</b> <b>Longitude:</b> <b>Lot:</b> <b>Concession:</b> <b>Region:</b> <b>District:</b> <b>County:</b> <b>Trade Name:</b> <b>PDF Link:</b>	<b>Operator Box:</b> <b>Operator Class:</b> <b>Operator No:</b> <b>Operator Type:</b> <b>Oper Area Code:</b> 416 <b>Oper Phone No:</b> 5331956 <b>Operator Ext:</b> <b>Operator Lot:</b> <b>Oper Concession:</b> <b>Operator Region:</b> <b>Operator District:</b> <b>Operator County:</b> <b>Op Municipality:</b> <b>Post Office Box:</b> <b>MOE District:</b> <b>SWP Area Name:</b>
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51	6 of 8	WNW/237.9	92.8 / 0.10	1666419 ONTARIO LIMITED O/A JOSEPH'S NO FRILLS 1435 KING ST W TORONTO ON M6K1H9	PES
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<b>Detail Licence No:</b> <b>Licence No:</b> 13803 <b>Status:</b> <b>Approval Date:</b> <b>Report Source:</b> Legacy Licenses (Excluding TS) <b>Licence Type:</b> Limited Vendor <b>Licence Type Code:</b> 23 <b>Licence Class:</b> 01 <b>Licence Control:</b> <b>Latitude:</b> <b>Longitude:</b> <b>Lot:</b> <b>Concession:</b> <b>Region:</b> <b>District:</b> <b>County:</b> <b>Trade Name:</b> <b>PDF Link:</b>	<b>Operator Box:</b> <b>Operator Class:</b> <b>Operator No:</b> <b>Operator Type:</b> <b>Oper Area Code:</b> 416 <b>Oper Phone No:</b> 5331956 <b>Operator Ext:</b> <b>Operator Lot:</b> <b>Oper Concession:</b> <b>Operator Region:</b> <b>Operator District:</b> <b>Operator County:</b> <b>Op Municipality:</b> <b>Post Office Box:</b> <b>MOE District:</b> <b>SWP Area Name:</b>
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51	7 of 8	WNW/237.9	92.8 / 0.10	2233007 ONTARIO LIMITED O/A PAOLO'S NO FRILLS 1435 KING ST TORONTO ON M6K1M9	PES
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<b>Detail Licence No:</b> <b>Licence No:</b> 15057 <b>Status:</b> <b>Approval Date:</b> <b>Report Source:</b> Legacy Licenses (Excluding TS) <b>Licence Type:</b> Limited Vendor	<b>Operator Box:</b> <b>Operator Class:</b> <b>Operator No:</b> <b>Operator Type:</b> <b>Oper Area Code:</b> 416 <b>Oper Phone No:</b> 5331956
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Licence Type Code:</b> <b>Licence Class:</b> <b>Licence Control:</b> <b>Latitude:</b> <b>Longitude:</b> <b>Lot:</b> <b>Concession:</b> <b>Region:</b> <b>District:</b> <b>County:</b> <b>Trade Name:</b> <b>PDF Link:</b>	23 01			<b>Operator Ext:</b> <b>Operator Lot:</b> <b>Oper Concession:</b> <b>Operator Region:</b> <b>Operator District:</b> <b>Operator County:</b> <b>Op Municipality:</b> <b>Post Office Box:</b> <b>MOE District:</b> <b>SWP Area Name:</b>	DB
51	8 of 8	WNW/237.9	92.8 / 0.10	1235234 ONTARIO LIMITED 1435 KING ST W TORONTO ON M6K1H9	PES
<b>Detail Licence No:</b> <b>Licence No:</b> <b>Status:</b> <b>Approval Date:</b> <b>Report Source:</b> <b>Licence Type:</b> <b>Licence Type Code:</b> <b>Licence Class:</b> <b>Licence Control:</b> <b>Latitude:</b> <b>Longitude:</b> <b>Lot:</b> <b>Concession:</b> <b>Region:</b> <b>District:</b> <b>County:</b> <b>Trade Name:</b> <b>PDF Link:</b>	11233 Legacy Licenses (Excluding TS) Retail Vendor Class 03 21 03			<b>Operator Box:</b> <b>Operator Class:</b> <b>Operator No:</b> <b>Operator Type:</b> <b>Oper Area Code:</b> <b>Oper Phone No:</b> <b>Operator Ext:</b> <b>Operator Lot:</b> <b>Oper Concession:</b> <b>Operator Region:</b> <b>Operator District:</b> <b>Operator County:</b> <b>Op Municipality:</b> <b>Post Office Box:</b> <b>MOE District:</b> <b>SWP Area Name:</b>	905 5339610
52	1 of 5	SSW/238.1	89.5 / -3.21	87-91 JAMESON AVENUE TORONTO ON M6K 2W9	EHS
<b>Order No:</b> <b>Status:</b> <b>Report Type:</b> <b>Report Date:</b> <b>Date Received:</b> <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>	20070102030 C CAN - Complete Report 1/11/2007 1/2/2007			<b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> <b>Search Radius (km):</b> <b>X:</b> <b>Y:</b>	King Street W & Jameson Ave. Toronto 0.25 -79.434684 43.634461
52	2 of 5	SSW/238.1	89.5 / -3.21	Enbridge Gas Distribution 79 Jamieson ave Toronto ON	SPI
<b>Ref No:</b> <b>Site No:</b> <b>Incident Dt:</b> <b>Year:</b> <b>Incident Cause:</b> <b>Incident Event:</b> <b>Contaminant Code:</b> <b>Contaminant Name:</b>	7128-7YDL9D Other Discharges 35 NATURAL GAS (METHANE)			<b>Discharger Report:</b> <b>Material Group:</b> <b>Health/Env Conseq:</b> <b>Client Type:</b> <b>Sector Type:</b> <b>Agency Involved:</b> <b>Nearest Watercourse:</b> <b>Site Address:</b>	Pipeline







Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<div> <div> <b>Notes:</b>  <b>Drainage System:</b>  <b>Sub Surface Contam.:</b>  <b>Aff Prop Use Water:</b>  <b>Contam. Migrated:</b>  <b>Contact Natural Env:</b>  <b>Incident Location:</b>  <b>Occurrence Narrative:</b>  <b>Operation Type Involved:</b>  <b>Item:</b>  <b>Item Description:</b>  <b>Device Installed Location:</b> </div> <div> <b>Equipment Model:</b>  <b>Serial No:</b>  <b>Cylinder Capacity:</b>  <b>Cylinder Cap Units:</b>  <b>Cylinder Mat Type:</b>  <b>Near Body of Water:</b> </div> </div>					
52	5 of 5	SSW/238.1	89.5 / -3.21	6307663 Canada Corporation 79 Jameson Ave Toronto ON M6K 2W7	ECA
<div> <div> <b>Approval No:</b>  <b>Approval Date:</b>  <b>Status:</b>  <b>Record Type:</b>  <b>Link Source:</b>  <b>SWP Area Name:</b>  <b>Approval Type:</b>  <b>Project Type:</b>  <b>Address:</b>  <b>Full Address:</b>  <b>Full PDF Link:</b> </div> <div>           B410-7GZK9V            2008-07-31            Approved            ECA            IDS            Toronto            ECA-WASTE MANAGEMENT SYSTEMS            WASTE MANAGEMENT SYSTEMS            79 Jameson Ave            https://www.accessenvironment.ene.gov.on.ca/instruments/9936-7FGQ93-14.pdf         </div> <div> <b>MOE District:</b>  <b>City:</b>  <b>Longitude:</b>  <b>Latitude:</b>  <b>Geometry X:</b>  <b>Geometry Y:</b> </div> <div>           Metro Toronto            City:            -79.43594            43.637142      </div> </div>					
53	1 of 1	ENE/238.4	93.8 / 1.10	116 Spencer Ave Toronto ON M6K2J6	EHS
<div> <div> <b>Order No:</b>  <b>Status:</b>  <b>Report Type:</b>  <b>Report Date:</b>  <b>Date Received:</b>  <b>Previous Site Name:</b>  <b>Lot/Building Size:</b>  <b>Additional Info Ordered:</b> </div> <div>           20170320201            C            Standard Report            27-MAR-17            20-MAR-17      </div> <div> <b>Nearest Intersection:</b>  <b>Municipality:</b>  <b>Client Prov/State:</b>  <b>Search Radius (km):</b>  <b>X:</b>  <b>Y:</b> </div> <div>               ON            25            -79.430591            43.637553         </div> </div>					
54	1 of 1	W/239.2	91.8 / -0.90	Brown H J 146 Springhurst Ave Toronto ON M6K 1C1	TANK
<div> <div> <b>Permit Date:</b>  <b>Permit Type:</b>  <b>User Type:</b>  <b>Installation Type:</b>  <b>Installation Size:</b>  <b>Installation Config.:</b>  <b>No. Tanks Installed:</b>  <b>Units of Measure:</b>  <b>Value/Tank (\$):</b>  <b>Capacity(gal):</b>  <b>Reference:</b>  <b>Location Desc:</b> </div> <div>           11/3/1925            BP 92813              Fuel oil tank            1 x fuel oil tank            1            80            CTA Building permits         </div> </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
55	1 of 1	SW/239.7	90.9 / -1.88	96 JAMESON AVENUE TORONTO ON M6K 2X7	EHS
Order No:	20070522005			Nearest Intersection:	Lake Shore Blvd. W & King St. W
Status:	C			Municipality:	
Report Type:	CAN - Complete Report			Client Prov/State:	
Report Date:	5/30/2007			Search Radius (km):	0.25
Date Received:	5/22/2007			X:	-79.435384
Previous Site Name:				Y:	43.634709
Lot/Building Size:					
Additional Info Ordered:					
56	1 of 1	ENE/239.7	93.8 / 1.10	114 Spencer Ave Toronto ON M6K 2J6	TANK
Permit Date:	8/18/1932				
Permit Type:	BP A44109				
User Type:					
Installation Type:	FO tanks				
Installation Size:					
Installation Config.:	FO tanks				
No. Tanks Installed:	2				
Units of Measure:					
Value/Tank (\$):	100				
Capacity(gal):					
Reference:	CTA Building Permits				
Location Desc:	114 Spencer Ave				
57	1 of 1	NNW/241.2	94.1 / 1.34	ON	BORE
Borehole ID:	636223			Inclin FLG:	No
OGF ID:	215536620			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:				Municipality:	
Static Water Level:				Lot:	
Primary Water Use:	Not Used			Township:	
Sec. Water Use:				Latitude DD:	43.638313
Total Depth m:	4.6			Longitude DD:	-79.434607
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	626265
Drill Method:	Diamond Drill			Northing:	4832893
Orig Ground Elev m:	96.2			Location Accuracy:	
Elev Reliablt Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	98.2				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218478108			Mat Consistency:	Silt
Top Depth:	2			Material Moisture:	
Bottom Depth:	1.5			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Clay			Geologic Period:	
Material 4:	Sand			Depositional Gen:	glacial

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>		TILL,SILT,CLAY,SAND,BROWN,GLACIAL,STIFF- AGE GLACIAL			
<b>Geology Stratum ID:</b>	218478107			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	.2			<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Asphalt			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>		ASPHALT			
<b>Geology Stratum ID:</b>	218476109			<b>Mat Consistency:</b>	Dense
<b>Top Depth:</b>	1.5			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	4.6			<b>Material Texture:</b>	Fine
<b>Material Color:</b>	Brown			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Sand			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Gravel			<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	glacial
<b>Gsc Material Description:</b>		SAND-FINE GRAVEL, BROWN,FLUVIO-GLACIAL,DENSE, AGE GLACIAL, 0000500900050030 **Note: Many records provided by the department have a truncated [Stratum Description] field.			
<b>Stratum Description:</b>					
<b>Source</b>					
<b>Source Type:</b>	Data Survey			<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada			<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972			<b>Scale or Res:</b>	Varies
<b>Confidence:</b>	M			<b>Horizontal:</b>	NAD27
<b>Observatio:</b>				<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Details:</b>	File: TOR1A.txt RecordID: 041810 NTS_Sheet: 30M11E				
<b>Confiden 1:</b>	Reliable information but incomplete.				
<b>Source List</b>					
<b>Source Identifier:</b>	1			<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey			<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972			<b>Projection Name:</b>	Universal Transverse Mercator
<b>Scale or Resolution:</b>	Varies				
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Originators:</b>	Geological Survey of Canada				
58	1 of 1	S/241.6	88.4 / -4.36	ON	BORE
<b>Borehole ID:</b>	636751			<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215537148			<b>SP Status:</b>	Initial Entry
<b>Status:</b>				<b>Sury Elev:</b>	No
<b>Type:</b>	Borehole			<b>Piezometer:</b>	No
<b>Use:</b>	Geotechnical/Geological Investigation			<b>Primary Name:</b>	
<b>Completion Date:</b>	APR-1970			<b>Municipality:</b>	
<b>Static Water Level:</b>	0.6			<b>Lot:</b>	
<b>Primary Water Use:</b>	Not Used			<b>Township:</b>	
<b>Sec. Water Use:</b>				<b>Latitude DD:</b>	-43.634159
<b>Total Depth m:</b>	6.1			<b>Longitude DD:</b>	-79.433723
<b>Depth Ref:</b>	Ground Surface			<b>UTM Zone:</b>	17
<b>Depth Elev:</b>				<b>Eastng:</b>	626345
<b>Drill Method:</b>	Power auger			<b>Northng:</b>	4832433
<b>Orig Ground Elev m:</b>	87.5			<b>Location Accuracy:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Elev Reliabl Note: DEM Ground Elev m: 88 Concession: Location D: Survey D: Comments:				Accuracy:	Not Applicable
<hr/>					
<b><u>Borehole Geology Stratum</u></b>					
<hr/>					
Geology Stratum ID:	218478204			Mat Consistency:	Stiff
Top Depth:	2.1			Material Moisture:	
Bottom Depth:	4.3			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	TILL,SAND,SILT, GRAVEL, GREY, GLACIAL, STIFF, AGE GLACIAL, WATER STABLE AT 285.0 FEET.				
<hr/>					
Geology Stratum ID:	218478202			Mat Consistency:	
Top Depth:	0.			Material Moisture:	
Bottom Depth:	.3			Material Texture:	
Material Color:	Black			Non Geo Mat Type:	
Material 1:	Fill			Geologic Formation:	
Material 2:	Soil			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	fill
Gsc Material Description:					
Stratum Description:	FILL,SOIL, BLACK,ORGANIC.				
<hr/>					
Geology Stratum ID:	218478205			Mat Consistency:	Dense
Top Depth:	4.3			Material Moisture:	
Bottom Depth:	6.1			Material Texture:	Fine to Medium
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	SAND-FINE TO MEDIUM GREY, GLACIAL, DENSE, AGE GLACIAL, 00010020000700160014006000013A **Note: Many records provided by the department have a truncated [Stratum Description] field.				
<hr/>					
Geology Stratum ID:	218478203			Mat Consistency:	Stiff
Top Depth:	3			Material Moisture:	
Bottom Depth:	2.1			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	TILL,SAND,SILT, GRAVEL, BROWN, GLACIAL, STIFF, AGE GLACIAL.				
<hr/>					
<b><u>Source</u></b>					
<hr/>					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Org:	Geological Survey of Canada			Source Id:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	M			Horizontal:	NAD27
Observation:				Vertical:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: TOR1A.txt RecordID: 047110 NTS_Sheet: 30M11E				
Confiden 1:	Reliable information but incomplete.				



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Source List</b>					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1958-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				

59	1 of 1	NNW/242.9	94.5 / 1.76	ON	BORE
Borehole ID:	636224			Inclin FLG:	No
OGF ID:	215536621			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:				Municipality:	
Static Water Level:				Lot:	
Primary Water Use:	Not Used			Township:	
Sec. Water Use:				Latitude DD:	43.638399
Total Depth m:	6			Longitude DD:	-79.434366
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	626285
Drill Method:	Diamond Drill			Northing:	4832903
Orig Ground Elev m:	97.5			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	96.4				
Concession:					
Location D:					
Survey D:					
Comments:					
<b>Borehole Geology Straturn</b>					
Geology Straturn ID:	218476111			Mat Consistency:	Hard
Top Depth:	1.5			Material Moisture:	
Bottom Depth:	4.5			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Clay			Depositional Gen:	glacial
Gsc Material Description:					
Straturn Description:	TILL, SILT, SAND, CLAY, BROWN, GLACIAL, HARD, AGE GLACIAL				
Geology Straturn ID:	218476110			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	1.5			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Fill			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Soil			Geologic Period:	
Material 4:	Organic			Depositional Gen:	fill
Gsc Material Description:					
Straturn Description:	FILL, SAND, SOIL, ORGANIC				
Geology Straturn ID:	218476112			Mat Consistency:	Dense
Top Depth:	4.5			Material Moisture:	
Bottom Depth:	6			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:				Geologic Group: Geologic Period: Depositional Gen: glacial  SAND, BROWN, FLUVIO-GLACIAL, DENSE, AGE GLACIAL. 000000270005004000147050 **Note: Many records provided by the department have a truncated (Stratum Description) field.	
<b>Source</b>					
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details: Confiden 1:	Data Survey Geological Survey of Canada 1956-1972 M  Urban Geology Automated Information System (UGAIS) File: TOR1A.txt RecordID: 041620 NTS_Sheet: 30M11E Reliable information but incomplete.			Source Appl: Source Idem: Scale or Res: Horizontal: Verticalda: Mean Average Sea Level	
<b>Source List</b>					
Source Identifier: Source Type: Source Date: Scale or Resolution: Source Name: Source Originators:	1 Data Survey 1956-1972 Varies Urban Geology Automated Information System (UGAIS) Geological Survey of Canada.			Horizontal Datum: Vertical Datum: Projection Name: Mean Average Sea Level Universal Transverse Mercator	
<b>60</b>	1 of 1	WSW/244.9	91.6 / -1.12	134 Springhurst Ave Toronto ON M6K 1G1	TANK
Permit Date: Permit Type: User Type: Installation Type: Installation Size: Installation Config.: No. Tanks Installed: Units of Measure: Value/Tank (\$): Capacity(gal): Reference: Location Desc:	12/8/1932 BP A45770  FO tank  FO tank 1  50  CTA Building Permits 134 Springhurst Ave				
<b>61</b>	1 of 1	WNW/245.1	93.4 / 0.64	157 Jameson Ave Toronto ON M6K 2Y4	EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordered:	20180504062 C Standard Report 11-MAY-18 04-MAY-18   Fire Insur. Maps and/or Site Plans			Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON 25 -79.43579 43.637696
<b>62</b>	1 of 1	SW/246.3	89.8 / -2.90	90 JAMESON AVENUE TORONTO ON	HINC
External File Num: Fuel Occurrence Type:	FS INC 0711-07176 CO Release				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Date of Occurrence:</b> 11/27/2007 <b>Fuel Type Involved:</b> Natural Gas <b>Status Desc:</b> Completed - Causal Analysis(End) <b>Job Type Desc:</b> Incident/Near-Miss Occurrence (FS) <b>Oper. Type Involved:</b> Multi-unit Residential <b>Service Interruptions:</b> No <b>Property Damage:</b> No <b>Fuel Life Cycle Stage:</b> Utilization <b>Root Cause:</b> Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:No Management:No Human Factors:No <b>Reported Details:</b> <b>Fuel Category:</b> Gaseous Fuel <b>Occurrence Type:</b> Incident <b>Affiliation:</b> Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) <b>County Name:</b> Toronto <b>Approx. Quant. Rel:</b> <b>Nearby body of water:</b> <b>Enter Drainage SysL:</b> <b>Approx. Quant. Unit:</b> <b>Environmental Impact:</b>					
63	1 of 4	WNW/246.7	92.8 / 0.10	1173283 Ontario Ltd 1430 King Street West Toronto ON M6K 1H8	GEN
<b>Generator No:</b> ON4112369 <b>Status:</b> <b>Approval Years:</b> 04 <b>Contam. Facility:</b> <b>MHSW Facility:</b> <b>SIC Code:</b> 419180 <b>SIC Description:</b> Building Material and Supplies Agents and Brokers <b>PO Box No:</b> <b>Country:</b> <b>Choice of Contact:</b> <b>Co Admin:</b> <b>Phone No Admin:</b>					
63	2 of 4	WNW/246.7	92.8 / 0.10	BRILAND DEVELOPMENT 1430 KING ST W,,TORONTO,ON,M6K 1H8,CA ON	VAR
<b>Incident No:</b> 029859741-001 <b>Status:</b> Variance Approved <b>Incident Reported Dt:</b> 5/5/2004 <b>Incident Created On:</b> 7/7/2009 <b>Item Instance:</b> NULL <b>Incident Type:</b> FS-Variance <b>Aband USTs:</b> Abandon UST					
63	3 of 4	WNW/246.7	92.8 / 0.10	1173283 ontario ltd 1430 kings st. west toronto ON	GEN
<b>Generator No:</b> ON4047616 <b>Status:</b> <b>Approval Years:</b> 2009 <b>Contam. Facility:</b> <b>MHSW Facility:</b> <b>SIC Code:</b> 531111 <b>SIC Description:</b> Lessors of Residential Buildings and Dwellings (except Social Housing Projects) <b>PO Box No:</b> <b>Country:</b> <b>Choice of Contact:</b> <b>Co Admin:</b> <b>Phone No Admin:</b>					
<b>Dstall(s)</b> <b>Waste Class:</b> 251 <b>Waste Class Desc:</b> OIL SKIMMINGS & SLUDGES					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
63	4 of 4	WNW/246.7	92.8 / 0.10	1173263 Ontario Ltd. 1430 King St. W. Toronto ON	GEN
Generator No:	ON7916751			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	531111				
SIC Description:	LESSORS OF RESIDENTIAL BUILDINGS AND DWELLINGS (EXCEPT SOCIAL HOUSING PROJECTS)				
<b>Detail(s)</b>					
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
64	1 of 1	E/246.7	91.8 / -0.90	66 SPENCER AVENUE TORONTO ON M6K 2J6	HINC
External File Num:	FS INC 0806-02984				
Fuel Occurrence Type:	Pipeline Strike				
Date of Occurrence:	5/26/2009				
Fuel Type Involved:	Natural Gas				
Status Desc:	Completed - Causal Analysis(End)				
Job Type Desc:	Incident/Near-Miss Occurrence (FS)				
Oper. Type Involved:	Private Dwelling				
Service Interruptions:	Yes				
Property Damage:	Yes				
Fuel Life Cycle Stage:	Utilization				
Root Cause:	Root Cause: Equipment/Material/Component:No Management:Yes Human Factors:No				
Reported Details:					
Fuel Category:	Gaseous Fuel				
Occurrence Type:	Incident				
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc )				
County Name:	Toronto				
Approx. Quant. Rel:					
Nearby body of water:					
Enter Drainage Syst.:					
Approx. Quant. Unit:					
Environmental Impact:					
65	1 of 1	WSW/247.1	91.8 / -0.99	Patterson [P S] 140 Springhurst Ave Toronto ON M6K 1G1	TANK
Permit Date:	1/3/1916				
Permit Type:	BP 19776				
User Type:					
Installation Type:	Gasoline tank, install				
Installation Size:					
Installation Config.:	1 x Gasoline tank				
No. Tanks Installed:	1				
Units of Measure:					
Value/Tank (\$):	50				
Capacity(gal):					
Reference:	CTA Building permits				
Location Desc:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
66	1 of 4	W/247.3	92.8 / 0.10	TAYLOR'S DRIVE-IN CLEANERS 1439 KING ST WEST TORONTO ON M6K 1H9	GEN
<div> <div> Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description: </div> <div> ON0322702 86,87,88,89 9721 POWER LAUND./CLEANERS </div> <div> PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin: </div> </div>					
<div> Detail(s) </div>					
<div> Waste Class: Waste Class Desc: </div> <div> 241 HALOGENATED SOLVENTS </div>					
66	2 of 4	W/247.3	92.8 / 0.10	TAYLOR'S DRIVE-IN CLEANERS 1439 KING ST. WEST TORONTO ON M6K 1H9	GEN
<div> <div> Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description: </div> <div> ON0322702 90 9721 POWER LAUND./CLEANER </div> <div> PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin: </div> </div>					
<div> Detail(s) </div>					
<div> Waste Class: Waste Class Desc: </div> <div> 241 HALOGENATED SOLVENTS </div>					
66	3 of 4	W/247.3	92.8 / 0.10	TAYLOR'S DRIVE-IN CLEANERS 37-019 1439 KING ST. WEST TORONTO ON M6K 1H9	GEN
<div> <div> Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description: </div> <div> ON0322702 92,93,94,95,96,97 9721 POWER LAUND./CLEANER </div> <div> PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin: </div> </div>					
<div> Detail(s) </div>					
<div> Waste Class: Waste Class Desc: </div> <div> 241 HALOGENATED SOLVENTS </div>					
66	4 of 4	W/247.3	92.8 / 0.10	TAYLOR'S DRIVE-IN CLEANERS 1439 KING STREET WEST TORONTO ON M6K 1H9	GEN
<div> <div> Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: </div> <div> ON0322702 98 9721 </div> <div> PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin: </div> </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Description:		POWER LAUND./CLEANERS			
Detail(s)					
Waste Class:		241			
Waste Class Desc:		HALOGENATED SOLVENTS			
67	1 of 2	NNW/249.5	94.8 / 2.10	Toronto Catholic District School Board 141 Close Avenue Toronto ON	GEN
Generator No:		ON5198996		PO Box No:	
Status:				Country:	
Approval Years:		2012		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:		611110			
SIC Description:		Elementary and Secondary Schools			
67	2 of 2	NNW/249.5	94.8 / 2.10	Toronto Catholic District School Board 141 Close Avenue Toronto ON	GEN
Generator No:		ON5198996		PO Box No:	
Status:				Country:	
Approval Years:		2013		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:		611110			
SIC Description:		ELEMENTARY AND SECONDARY SCHOOLS			
Detail(s)					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
68	1 of 1	NNW/249.8	94.8 / 2.10	East H M 196 Dunn Ave Toronto ON M6K 2R9	TANK
Permit Date:		3/16/1928			
Permit Type:		BP A11794			
User Type:					
Installation Type:		Fuel Oil tanks			
Installation Size:					
Installation Config.:		2 x Fuel oil tanks			
No. Tanks Installed:		2			
Units of Measure:					
Value/Tank (\$):		100			
Capacity(gal):					
Reference:		CTA Building permits			
Location Desc:		196 Dunn Ave			



## Unplottable Summary

Total: 10 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Toronto and Region Conservation Authority	From Jameson Avenue to Cowan Avenue	Toronto ON	
CA	CITY	W.OF CLOSE AVE (LANE)	TORONTO ON	
CA	CITY	KING ST. W.	TORONTO ON	
CA	TORONTO CITY DR. NO. C-468	COWAN AVE.	TORONTO CITY ON	
CA	MASSEY FERGUSON PROPERTIES	DR. #7.8.9. ETC. KING ST. W.	TORONTO CITY ON	
CONV	LOBLAWS SUPERMARKETS LIMITED		ON	
EBR	IWR Technologies Ltd	King Street West (Portable Unit) Toronto	ON	
ECA	Toronto and Region Conservation Authority	From Jameson Avenue to Cowan Ave	Toronto ON	M3N 1S4
ECA	City of Toronto	Jameson Ave from Springhurst Avenue to King Street West and from King Street West to Queen Street West	Toronto ON	M5V 3C6
SPL	Loblaws Companies Limited		Toronto ON	

## Unplottable Report

**Site:** Toronto and Region Conservation Authority  
From Jameson Avenue to Cowan Avenue Toronto ON

**Database:**  
CA

**Certificate #:** 3013-BNKHCK  
**Application Year:** 2006  
**Issue Date:** 4/5/2006  
**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:** CITY  
W. OF CLOSE AVE. (LANE) TORONTO ON

**Database:**  
CA

**Certificate #:** 3-0654-85-006  
**Application Year:** 85  
**Issue Date:** 7/29/85  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

**Site:** CITY  
KING ST. W. TORONTO ON

**Database:**  
CA

**Certificate #:** 3-0103-85-006  
**Application Year:** 85  
**Issue Date:** 3/28/85  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

**Site:** TORONTO CITY DR. NO. C-468  
COWAN AVE. TORONTO CITY ON

**Database:**  
CA

**Certificate #:** 3-1952-86-  
**Application Year:** 86

Issue Date: 0/20/1987  
Approval Type: Municipal sewage  
Status: Approved in 1987  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

Site: MASSEY FERGUSON PROPERTIES  
DR. #7,8,9, ETC. KING ST. W. TORONTO CITY ON

Database:  
CA

Certificate #: 3-1617-87-  
Application Year: 87  
Issue Date: 10/1/1987  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

Site: LOBLAWS SUPERMARKETS LIMITED  
ON

Database:  
CONV

File No:  
Crown Brief No: 02-0108-0749  
Court Location:  
Publication City:  
Publication Title:  
Act:  
Act(s):  
First Matter:  
Second Matter:  
Investigation 1:  
Investigation 2:  
Penalty Imposed:  
Description:  
Background:  
URL:

Location:  
Region: CENTRAL REGION  
Ministry District: YORK-DURHAM

STORE AND DISPLAY PESTICIDE IN MANNER LIKELY TO BRING IT INTO CONTACT WITH FOOD.

#### Additional Details

Publication Date:  
Count: 1  
Act: PA  
Regulation: 914  
Section: 125(C)  
Act/Regulation/Section: PA 914 125(C)  
Date of Offence:  
Date of Conviction:  
Date Charged: 3/24/2003  
Charge Disposition: FINED  
Fine: \$7000  
Synopsis:

Site: IWR Technologies Ltd.  
King Street West (Portable Unit) Toronto ON

Database:  
EBR

**EBR Registry No:** IA9E0370  
**Ministry Ref No:** 8308799  
**Notice Type:** Instrument Decision  
**Notice Stage:** 800474001  
**Notice Date:** April 19, 1999  
**Proposal Date:** March 18, 1999  
**Year:** 1999  
**Instrument Type:** (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)  
**Off Instrument Name:**  
**Posted By:**  
**Company Name:** IWR Technologies Ltd  
**Site Address:**  
**Location Other:**  
**Proponent Name:**  
**Proponent Address:** 7019-8th Street N.E., Calgary Alberta, T2E 6A2  
**Comment Period:**  
**URL:**  
**Site Location Details:**  
 King Street West (Portable Unit) Toronto

**Site:** Toronto and Region Conservation Authority  
 From Jameson Avenue to Cowan Ave Toronto ON M3N 1S4  
**Database:** ECA  
**Approval No:** 3013-6NKHCK  
**Approval Date:** 2008-04-05  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Project Type:** MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Address:** From Jameson Avenue to Cowan Ave  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/4087-6N5MBV-14.pdf>

**Site:** City of Toronto  
 Jameson Ave from Springhurst Avenue to King Street West and from King Street West to Queen Street West  
 Toronto ON M5V 3C6  
**Database:** ECA  
**Approval No:** 2925-7DKK56  
**Approval Date:** 2008-04-11  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-Municipal Drinking Water Systems  
**Project Type:** Municipal Drinking Water Systems  
**Address:** Jameson Ave from Springhurst Avenue to King Street West and from King Street West to Queen Street West  
**Full Address:**  
**Full PDF Link:**

**Site:** Loblaw's Companies Limited  
 Toronto ON  
**Database:** SPL  
**Ref No:** 0677-965VBM  
**Site No:**  
**Incident Dt:** 25-MAR-13  
**Year:**  
**Incident Cause:** Collision/Accident  
**Incident Event:**  
**Contaminant Code:** 15  
**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Truck - Transport/Hauling  
**Agency Involved:**  
**Nearest Watercourse:**

<b>Contaminant Name:</b>	TRANSMISSION OIL	<b>Site Address:</b>	
<b>Contaminant Limit 1:</b>		<b>Site District Office:</b>	
<b>Contam Limit Freq 1:</b>		<b>Site Postal Code:</b>	
<b>Contaminant UN No 1:</b>		<b>Site Region:</b>	
<b>Environment Impact:</b>	Confirmed	<b>Site Municipality:</b>	Toronto
<b>Nature of Impact:</b>	Soil Contamination Surface Water Pollution	<b>Site Lot:</b>	
<b>Receiving Medium:</b>		<b>Site Conc:</b>	
<b>Receiving Env:</b>		<b>Northling:</b>	
<b>MOE Response:</b>		<b>Easting:</b>	
<b>Dt MOE Arvl on Scn:</b>		<b>Site Geo Ref Accu:</b>	
<b>MOE Reported Dt:</b>	25-MAR-13	<b>Site Map Datum:</b>	
<b>Dt Document Closed:</b>		<b>SAC Action Class:</b>	Highway Spills (usually highway accidents)
<b>Incident Reason:</b>	Unknown / N/A	<b>Source Type:</b>	
<b>Site Name:</b>	Hwy 401 collectors EB at Hwy 400<UNOFFICIAL>		
<b>Site County/District:</b>			
<b>Site Geo Ref Meth:</b>			
<b>Incident Summary:</b>	Loblaws TT, 20 L transmission fluid to Hwy 401 and drain		
<b>Contaminant Qty:</b>	20 L		



## Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with "\*" indicates that the database will no longer be updated. See the individual database description for more information.

### Abandoned Aggregate Inventory:

Provincial AAGR

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

Government Publication Date: Sept 2002\*

### Aggregate Inventory:

Provincial AGR

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

Government Publication Date: Up to Sep 2020

### Abandoned Mine Information System:

Provincial AMIS

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1900-Oct 2018

### Anderson's Waste Disposal Sites:

Private ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

### Aboveground Storage Tanks:

Provincial AST

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

### Automobile Wrecking & Supplies:

Private AUWR

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-Jun 30, 2020

### 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 OCGW.

Government Publication Date: 1875-Jul 2018

**Certificates of Approval:**

Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CoIA'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: 1995-Oct 30, 2011\*

**Dry Cleaning Facilities:**

Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Environment and Climate Change Canada cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Jan 2004-Dec 2017

**Commercial Fuel Oil Tanks:**

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc., aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

**Chemical Manufacturers and Distributors:**

Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

**Chemical Register:**

Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distribute chemicals.

Government Publication Date: 1999-Jun 30, 2020

**Compressed Natural Gas Stations:**

Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 - Sep 2020

**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-Dec 2019

**Certificates of Property Use:**

Provincial CPU

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

Government Publication Date: 1994-Oct 31, 2020



**Drill Hole Database:**

Provincial

DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim, a sketch of the mining claim, a 1:50,000 map, a detailed company map, or from submitted a "Report of Work".

Government Publication Date: 1886 - Sep 2019

**Delisted Fuel Tanks:**

Provincial

DTNK

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Jul 31, 2020

**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-Oct 31, 2020

**Environmental Registry:**

Provincial

ESR

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 31, 2020

**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-Oct 31, 2020

**Environmental Effects Monitoring:**

Federal

EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007\*

**ERIS Historical Searches:**

Private

EHS

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Jul 31, 2020

**Environmental Issues Inventory System:**

Federal

EIS

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 EIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001\*

**Emergency Management Historical Event:**

Provincial

EMHE

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

Government Publication Date: Dec 31, 2016

**Environmental Penalty Annual Report:**

Provincial

EPAR

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2019

**List of Expired Fuels Safety Facilities:**

Provincial

EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

**Federal Convictions:**

Federal

FCON

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

Government Publication Date: 1988-Jun 2007\*

**Contaminated Sites on Federal Land:**

Federal

FCS

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

Government Publication Date: Jun 2000-Sep 2020

**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: 1984-Sep 2019

**Federal Identification Registry for Storage Tank Systems (FIRSTS):**

Federal

FRST

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

**Fuel Storage Tanks:**

Provincial

FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information. Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020



**Fuel Storage Tank - Historic:**

Provincial FSTH

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

Government Publication Date: Pre-Jan 2010\*

**Ontario Regulation 347 Waste Generators Summary:**

Provincial GEN

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

Government Publication Date: 1986-Jul 31, 2020

**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 CO<sub>2</sub> eq).

Government Publication Date: 2013-Dec 2018

**TSSA Historic Incidents:**

Provincial HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009\*

**Indian & Northern Affairs Fuel Tanks:**

Federal IAFI

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

Government Publication Date: 1950-Aug 2003\*

**Fuel Oil Spills and Leaks:**

Provincial INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing is a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

**Landfill Inventory Management Ontario:**

Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate or site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

**Canadian Mine Locations:**

Private MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1999-2009\*



**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:** 1946-Jan 2020

**National Analysis of Trends in Emergencies System (NATES):**

Federal

NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1984. 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, 2018

**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 - 1982". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

**Government Publication Date:** Mar 1999-Apr 2018

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

Federal

NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

**Government Publication Date:** 2001-Apr 2007\*

**National Energy Board Pipeline Incidents:**

Federal

NEBI

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

**Government Publication Date:** 2008-Mar 31, 2020

**National Energy Board Wells:**

Federal

NEBP

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

**Government Publication Date:** 1920-Feb 2003\*

**National Environmental Emergencies System (NEES):**

Federal

NEES

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

Government Publication Date: 1974-2003\*

**National PCB Inventory:**

Federal

NPCB

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

Government Publication Date: 1998-2008\*

**National Pollutant Release Inventory:**

Federal

NPRI

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

Government Publication Date: 1993-May 2017

**Oil and Gas Wells:**

Private

OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at [www.nickles.com](http://www.nickles.com).

Government Publication Date: 1998-Aug 31, 2020

**Ontario Oil and Gas Wells:**

Provincial

DOGW

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 OGSRL 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: 1990-Jun 2020

**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. 138) - Order for performance of environmental measures.

Government Publication Date: 1994-Oct 31, 2020

**Canadian Pulp and Paper:**

Private

PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

**Parks Canada Fuel Storage Tanks:**

Federal

PCFT

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

Government Publication Date: 1920-Jan 2005\*



**Pesticide Register:**

Provincial PES

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

**Government Publication Date:** Oct 2011-Oct 31, 2020

**Pipeline Incidents:**

Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

**Government Publication Date:** Oct 31, 2020

**Private and Retail Fuel Storage Tanks:**

Provincial PRT

The Fuel's 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 31, 2020

**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-Sep 2020

**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-Jun 30, 2020

**Scott's Manufacturing Directory:**

Private SCT

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

**Government Publication Date:** 1992-Mar 2011\*

**Ontario Spills:**

Provincial SPL

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

**Government Publication Date:** 1988-Nov 2019

**Wastewater Discharger Registration Database:**

Provincial

SRDS

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

Government Publication Date: 1990-Dec 31, 2017

**Anderson's Storage Tanks:**

Private

TANK

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

Government Publication Date: 1915-1952\*

**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 2019

**Variances for Abandonment of Underground Storage Tanks:**

Provincial

VAR

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

**Waste Disposal Sites - MOE CA Inventory:**

Provincial

WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011-Oct 31, 2020

**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 30th, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990\*

**Water Well Information System:**

Provincial

WWIS

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Apr 30, 2020

## 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

### **A-4** *TSSA RESPONSE*

**Francoeur, Jordan**

---

**From:** Public Information Services <publicinformation@tssa.org>  
**Sent:** November 25, 2020 1:35 PM  
**To:** Serroul, Justin  
**Subject:** RE: Information Request - 150 Dunn Ave

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

We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

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 [publicinformation@tssa.org](mailto:publicinformation@tssa.org) along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard).

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.

**Please refrain from sending documents to head office** and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.

Kind regards,

Roxana



**Roxana Mashtaler | Public Information Agent**  
**Facilities**

345 Carlingview Drive  
Toronto, Ontario M9W 6N9  
Tel: +1-416-734-3472 | Fax: +1-416-231-6183 | E-Mail: [rmashtaler@tssa.org](mailto:rmashtaler@tssa.org)  
[www.tssa.org](http://www.tssa.org)



---

**From:** Serroul, Justin <Justin.Serroul@wsp.com>  
**Sent:** November 25, 2020 9:31 AM  
**To:** Public Information Services <publicinformation@tssa.org>  
**Subject:** Information Request - 150 Dunn Ave

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

Hello,

I would like to know if there are any records for fuel storage tanks at the following address:

150 Dunn Avenue, Toronto, Ontario

Thanks,

**Justin Serroul**, B.Sc., GIS (PG)  
GIS and Data Management Specialist  
Environment / Environmental Management  
T+ 1 289-835-2594

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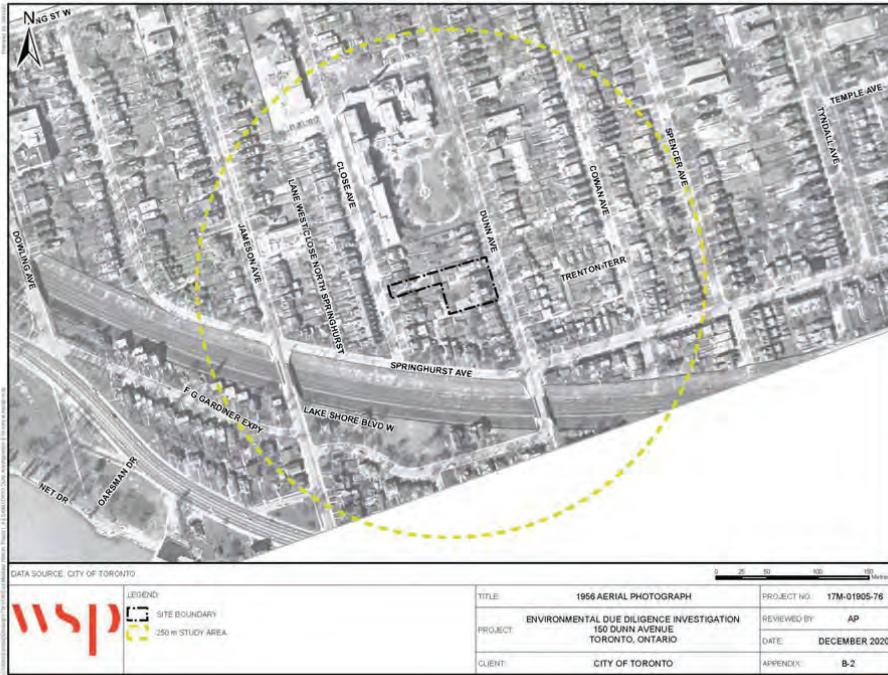
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# APPENDIX

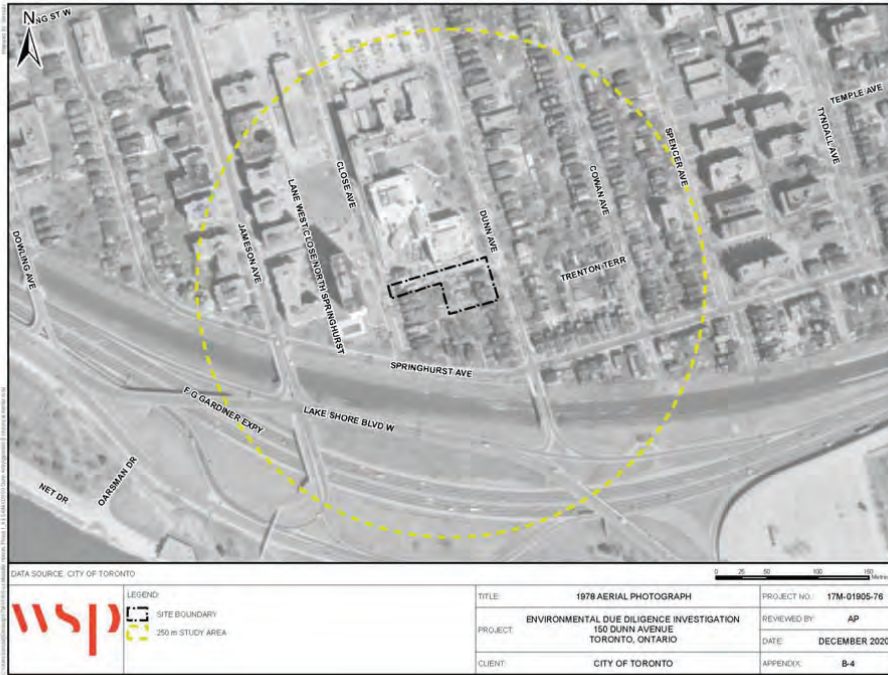
## **B** AERIAL PHOTOGRAPHS





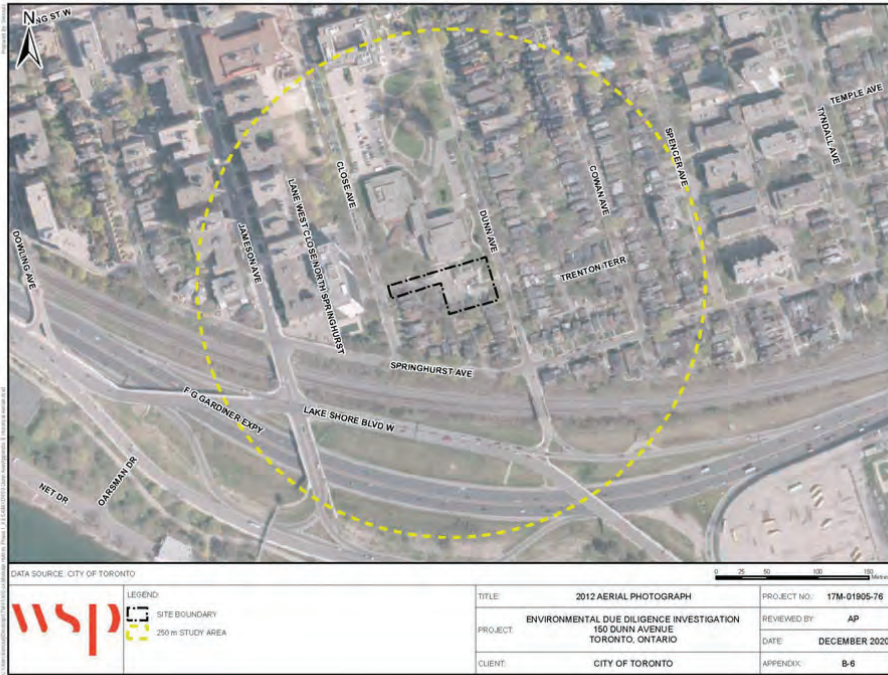




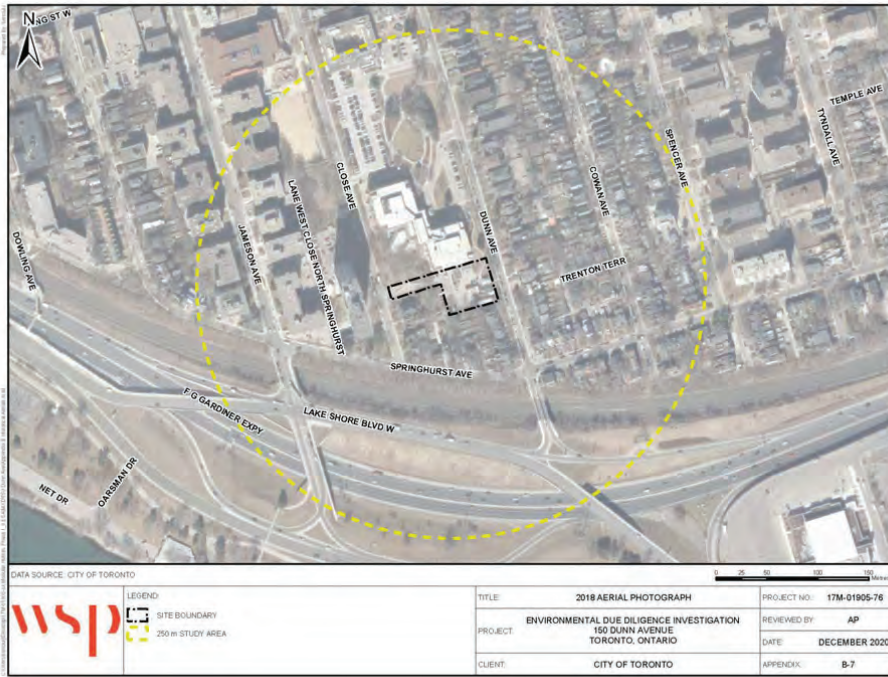












# APPENDIX

## C SITE PHOTOGRAPHS





Photograph 1: View of the parking lot on the Site, facing northwest.



Photograph 2: View of the eastern portion of the parking lot on Site, facing north



Photograph 3: View of the eastern portion of the Site, facing south



Photograph 4: View of the western portion of the Site, facing east.



Photograph 5: View of the loading dock located adjacent to the north of the Site, facing north.



Photograph 6: View of a Site trailer located on the southeast corner of the Site, facing east.

# APPENDIX

## D BOREHOLE LOGS



## BOREHOLE LOG EXPLANATION FORM

This explanatory section provides the background to assist in the use of the borehole logs. Each of the headings used on the borehole log, is briefly explained.

### DEPTH

This column gives the depth of interpreted geologic contacts in metres below ground surface.

### STRATIGRAPHIC DESCRIPTION

This column gives a description of the soil based on a tactile examination of the samples and/or laboratory test results. Each stratum is described according to the following classification and terminology.

<u>Soil Classification*</u>		<u>Terminology</u>	<u>Proportion</u>
Silt & Clay	< 0.075 mm	"trace" (e.g. trace sand)	<10%
Sand	0.075 to 4.75 mm	"some" (e.g. some sand)	10% - 20%
Gravel	4.75 to 75 mm	adjective (e.g. sandy)	20% - 35%
Cobbles	75 to 300 mm	"and" (e.g. and sand)	35% - 50%
Boulders	>300 mm	noun (e.g. sand)	>50%

\* Extension of USCS Classification system unless otherwise noted.

The use of the geologic term "till" implies that both disseminated coarser grained (sand, gravel, cobbles or boulders) particles and finer grained (silt and clay) particles may occur within the described matrix.

The compactness of cohesionless soils and the consistency of cohesive soils are defined by the following:

<u>COHESIONLESS SOIL</u>		<u>COHESIVE SOIL</u>	
Compactness	Standard Penetration Resistance "N", Blows / 0.3 m	Consistency	Standard Penetration Resistance "N", Blows / 0.3 m
Very Loose	0 to 4	Very Soft	0 to 2
Loose	4 to 10	Soft	2 to 4
Compact	10 to 30	Firm	4 to 8
Dense	30 to 50	Stiff	8 to 15
Very Dense	Over 50	Very Stiff	15 to 30
		Hard	Over 30

The moisture conditions of cohesionless and cohesive soils are defined as follows.

<u>COHESIONLESS SOILS</u>		<u>COHESIVE SOILS</u>	
Dry		DTPL	- Drier Than Plastic Limit
Moist		APL	- About Plastic Limit
Wet		WTPL	- Wetter Than Plastic Limit
Saturated		MWTPL	- Much Wetter Than Plastic Limit













## STRATIGRAPHY

Symbols may be used to pictorially identify the interpreted stratigraphy of the soil and rock strata.

## MONITOR DETAILS

This column shows the position and designation of standpipe and/or piezometer ground water monitors installed in the borehole. Also the water level may be shown for the date indicated.

	Standpipe		Geotextile Material / Liner		Granular Backfill
	Piezometer		Borehole Seal (Bentonite Grout)		Granular (Filter) Pack
	Screened Interval		Cement Seal		Native Soil Backfill / Cave / Slough
	Borehole Seal (Peltonite, Bentonite or Hole Plug)				

Where monitors are placed in separate boreholes, these are shown individually in the "Monitor Details" column. Otherwise, monitors are in the same borehole. For further data regarding seals, screens, etc., the reader is referred to the summary of monitor details table.

## SAMPLE

These columns describe the sample type and number, the "N" value, the water content, the percentage recovery, and Rock Quality Designation (RQD), of each sample obtained from the borehole where applicable. The information is recorded at the approximate depth at which the sample was obtained. The legend for sample type is explained below.

SS = Split Spoon	GS = Grab Sample
ST = Thin Walled Shelby Tube	CS = Channel Sample
AS = Auger Flight Sample	WS = Wash Sample
CC = Continuous Core	RC = Rock Core

$$\% \text{ Recovery} = \frac{\text{Length of Core Recovered Per Run}}{\text{Total Length of Run}} \times 100$$

Where rock drilling was carried out, the term RQD (Rock Quality Designation) is used. The RQD is an indirect measure of the number of fractures and soundness of the rock mass. It is obtained from the rock cores by summing the length of core recovered, counting only those pieces of sound core that are 100 mm or more in length. The RQD value is expressed as a percentage and is the ratio of the summed core lengths to the total length of core run. The classification based on the RQD value is given below.

<u>RQD Classification</u>	<u>RQD (%)</u>
Very poor quality	< 25
Poor quality	25 - 50
Fair quality	50 - 75
Good quality	75 - 90
Excellent quality	90 - 100

### TEST DATA

The central section of the log provides graphs which are used to plot selected field and laboratory test results at the depth at which they were carried out. The plotting scales are shown at the head of the column.

**Dynamic Penetration Resistance** - The number of blows required to advance a 51 mm diameter, 60° steel cone fitted to the end of 45 mm OD drill rods, 0.3 m into the subsoil. The cone is driven with a 63.5 kg hammer over a fall of 750 mm.

**Standard Penetration Resistance - Standard Penetration Test (SPT) "N" Value** - The number of blows required to advance a 51 mm diameter standard split-spoon sampler 300 mm into the subsoil, driven by means of a 63.5 kg hammer falling freely a distance of 750 mm. In cases where the split spoon does not penetrate 300 mm, the number of blows over the distance of actual penetration in millimetres is shown as  $\frac{x \text{ blows}}{\text{mm}}$

**Water Content** - The ratio of the mass of water to the mass of oven-dry solids in the soil expressed as a percentage.

**W<sub>p</sub>** - Plastic Limit of a fine-grained soil expressed as a percentage as determined from the Atterberg Limit Test.

**W<sub>L</sub>** - Liquid Limit of a fine-grained soil expressed as a percentage as determined from the Atterberg Limit Test.

### REMARKS

The last column describes pertinent drilling details, field observations and/or provides an indication of other field or laboratory tests that were performed.

#### a) Cohesive Soils(\*)

Consistency	Undrained Shear Strength (kPa)	SPT "N" Value
Very soft	<12	0-2
Soft	12-25	2-4
Firm	25-50	4-8
Stiff	50-100	8-15
Very stiff	100-200	15-30
Hard	>200	>30

(\*) Hierarchy of Shear Strength prediction

1. Lab triaxial test
2. Field vane shear test
3. Lab. vane shear test
4. SPT "N" value
5. Pocket penetrometer

PROJECT: Environmental Investigations - City of Toronto Modular Homes				REF. NO.: ITM-01905-81			
CLIENT: City of Toronto				ENCL. NO.: 1			
PROJECT LOCATION: 150 Dunn Avenue, Toronto, Ontario				Method: Solid Stem Augers			
DATUM: UTM NAD83, ZONE 17				Diameter: 75 mm			
BH LOCATION: N 4932483 E 626450				Date: Feb-20-2021			
				Equipment: Ponzi Drilling CME 55 (Track)			
				COMPILED BY: MH			
				CHECKED BY: SL			

SOIL PROFILE		SAMPLES		GROUND WATER CONDITIONS	ELEVATION	Head Space Combustible Vapor Reading (ppm)	ELASTIC LIMIT W <sub>e</sub>	NATURAL MOISTURE CONTENT W <sub>n</sub>	LIQUID LIMIT W <sub>L</sub>	PLASTICITY INDEX PI	REMARKS AND GRAIN SIZE DISTRIBUTION (%)
(m) ELEV DEPTH	DESCRIPTION	STEP IN FOOT	NUMBER TYPE TYPE BLOWS S.F.								
90.1	Ground Surface										
89.0	ASPHALT: 75 mm										
89.4	FILL: silty sand, some gravel, contains cobbles/boulders, contains red brick pieces, contains sandy silty clay layers, brown, moist, compact		1 SS 23		89						
89.7	FILL: silty clay, trace gravel, some sand, contains cobbles/boulders, brown, APL, firm		2 SS 8		89						
89.7	SILTY CLAY TILL: (trace gravel) some sand, contains sandy silt layers, brown, APL, hard		3 SS 49		89						
89.8	SILTY CLAY: trace to some sand, contains silty sand seams, brown to grey, APL, hard		4 SS 58		89						
89.4	SANDY SILT: trace clay, contains silty clay seams, grey, wet, dense		5 SS 32		89						0.9 00 23
89.4			6 SS 34		89						
89.8			7 SS 33		89						
89.2	END OF BOREHOLE Note: 1) Borehole was open upon completion of drilling. 2) Water was measured at a depth of 4.7 mbs upon completion of drilling.				89						

GROUNDWATER ELEVATIONS  
Measurement

GRAIN  
NOTES

Numbers refer to Sample No. □ = 2% Strain at Failure

217118.01321/113662673.9



PROJECT: Environmental Investigations - City of Toronto Modular Homes				REF. NO.: 17M-01905-81			
CLIENT: City of Toronto				ENCL. NO.: 3			
PROJECT LOCATION: 150 Dunn Avenue, Toronto, Ontario				Method: Solid Stem Augers			
DATUM: UTM NAD83, ZONE 17				Diameter: 75 mm			
BH LOCATION: N 4932478 E 626465				Date: Feb-20-2021			
				Equipment: Ponzi Drilling CME 55 (Track)			
				COMPILED BY: MH			
				CHECKED BY: SL			

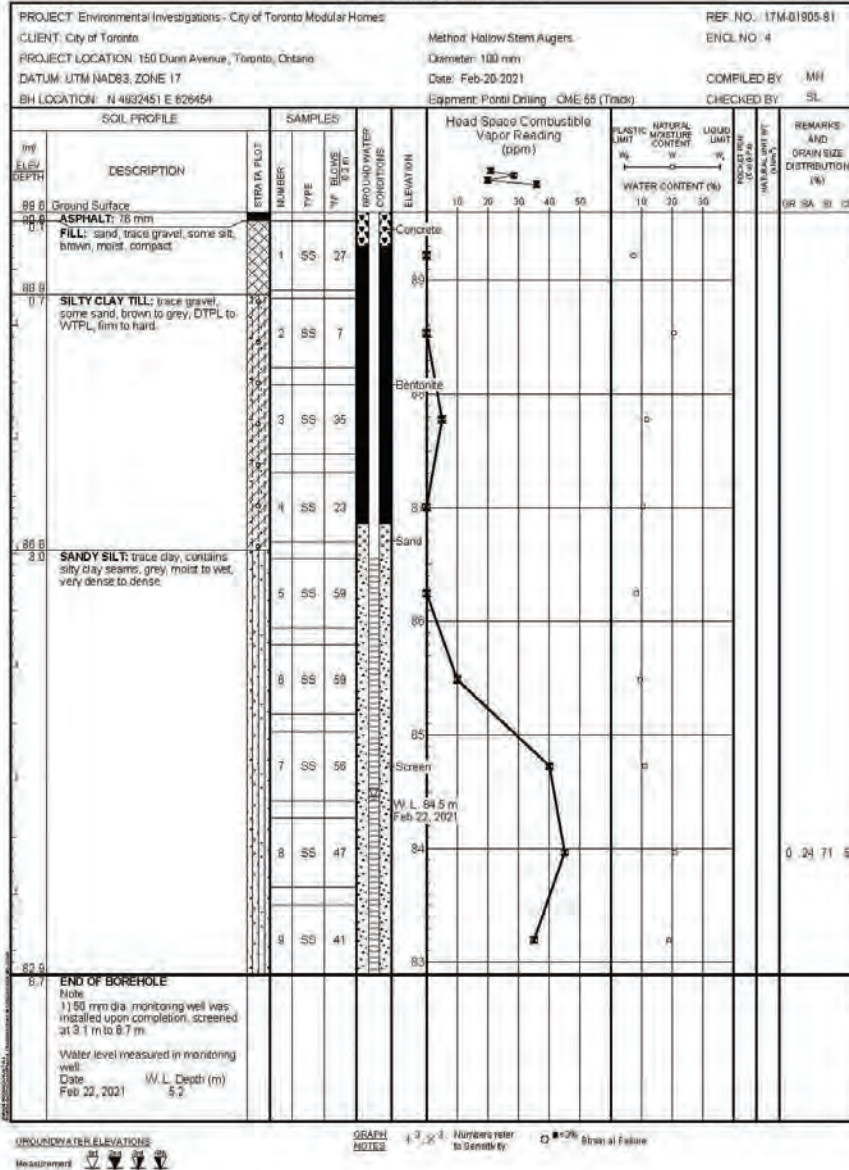
SOIL PROFILE		SAMPLES		HEAD SPACE COMBUSTIBLE VAPOR READING (ppm)	ELEVATION	PLASTIC LIMIT	NATURAL MOISTURE CONTENT (%)	LIQUID LIMIT	SHRINKAGE (%)	REMARKS AND DRAIN SIZE DISTRIBUTION (%)
DEPTH (m)	DESCRIPTION	NUMBER	TYPE							
90.8	Ground Surface									
90.9	ASPHALT: 51 mm	1	SS	27						
90.8	FILL: city sand, some gravel, contains cobbles/boulders, contains coal pieces, brown, moist, compact	2A	SS	24						
91.9	SAND: some gravel, some silt, grey, wet, compact to very dense.	2E	SS	24						
		3	GRAVEL	50 (23/30 mm)						
92.1	SILTY CLAY: some sand, grey, APL, very stiff to hard.	4	SS	26						
92.5		5A	SS	29						
93.4	SANDY SILT: trace clay, grey, moist to wet, dense.	6B	SS	50						
93.8		7	SS	33						
95.2	END OF BOREHOLE Note: 1) Borehole was open upon completion of drilling. 2) Water was measured at a depth of 4.8 mbs upon completion of drilling.									

GROUNDWATER ELEVATIONS  
Measurement

GRAITH  
NOTES

Numbers refer to Sonotube  
□ = 2% Strain at Failure





PROJECT: Environmental Investigations - City of Toronto Modular Homes				REF. NO.: 17M-01905-81			
CLIENT: City of Toronto				Method: Solid Stem Augers			
PROJECT LOCATION: 150 Duane Avenue, Toronto, Ontario				Diameter: 76 mm			
DATUM: UTM NAD83, ZONE 17				Date: Feb-20-2021			
BH LOCATION: N 4932473 E 626461				Equipment: Ponzi Drilling OME 55 (Track)			
				COMPILED BY: MH			
				CHECKED BY: SL			

SOIL PROFILE		SAMPLES		HEAD SPACE COMBUSTIBLE VAPOR READING (ppm)	ELEVATION	PLASTIC LIMIT W <sub>p</sub>	NATURAL MOISTURE CONTENT W <sub>n</sub>	LIQUID LIMIT W <sub>L</sub>	FLUIDITY INDEX F.I.	REMARKS AND GRAIN SIZE DISTRIBUTION (%)
(m) ELEV DEPTH	DESCRIPTION	STEP IN FOOT	NUMBER TYPE BLOW S.F.							
90.5	Ground Surface									
90.4	ASPHALT: 76 mm									
90.1	FILL: silty sand, some gravel, contains cobbles/boulders, contains brick/coal pieces, brown, moist, compact		1 SS 28							
89.8	SILTY CLAY TILL: trace gravel, some sand, brown, DTPL to APL, hard		2 SS 34							
			3 SS 35							
89.3	SILTY CLAY: some sand, contains silty sand seams, brown to grey, APL, hard to very stiff		4 SS 37							
87.5	SANDY SILT: trace clay, grey, wk, compact to dense		5 SS 28							
			6 SS 40							
			7 SS 33							
85.2	END OF BOREHOLE Note: 1) Borehole was open upon completion of drilling. 2) Water was measured at a depth of 5.1 mbs upon completion of drilling.									

GROUNDWATER ELEVATIONS  
Measurement

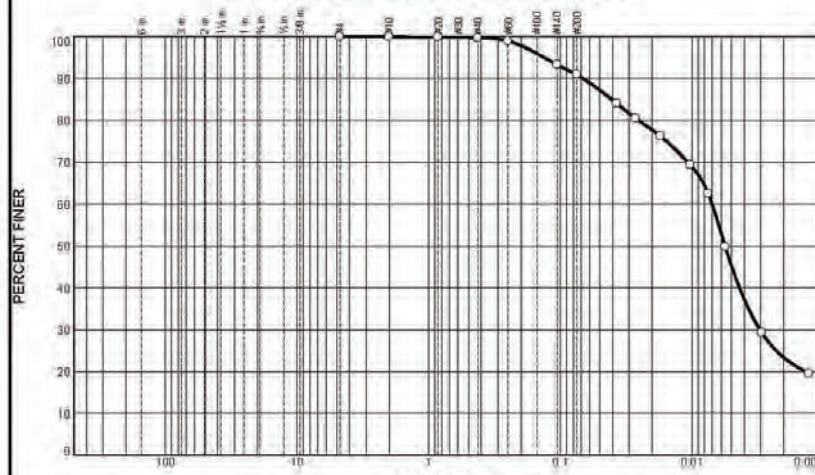
GRAIN  
NOTES

Numbers refer to Sample No. □ = 2% Strain at Failure

# APPENDIX

## **E** GEOTECHNICAL SOIL TEST RESULTS

# Particle Size Distribution Report



GRAIN SIZE - mm.		% Gravel		% Sand			% Fines	
% +3"		Cearse	Fine	Cearse	Medium	Fine	Silt	Clay
0.0		0.0	0.0	0.0	0.3	8.8	67.6	23.3

SIEVE SIZE	PERCENT FINER	SPEC. * PERCENT	PASS? (X=NO)
4.75mm.	100.0		
2mm	100.0		
0.850mm	99.9		
0.425mm	99.7		
0.250mm	99.0		
0.106mm	93.4		
0.075mm	90.9		
0.0375 mm.	84.1		
0.0269 mm.	80.5		
0.0173 mm.	76.2		
0.0103 mm.	69.4		
0.0075 mm.	62.6		
0.0056 mm.	49.9		
0.0029 mm.	29.3		
0.0013 mm.	19.5		

(no specification provided)

<b>Soil Description</b>		
Silty clay, trace sand		
<b>Atterberg Limits</b>		
PL= 18	LL= 27	PI= 9
<b>Coefficients</b>		
D <sub>90</sub> = 0.0669	D <sub>85</sub> = 0.0407	D <sub>60</sub> = 0.0070
D <sub>50</sub> = 0.0036	D <sub>30</sub> = 0.0030	D <sub>15</sub> =
D <sub>10</sub> =	C <sub>u</sub> =	C <sub>c</sub> =
<b>Classification</b>		
USCS= CL	AASHTO= A-4(7)	
<b>Remarks</b>		
Sampled by Jordan on February 20, 2021		

Location: DU-BH20-1 SSS  
Sample Number: 21MM-232

Date: 23/02/21

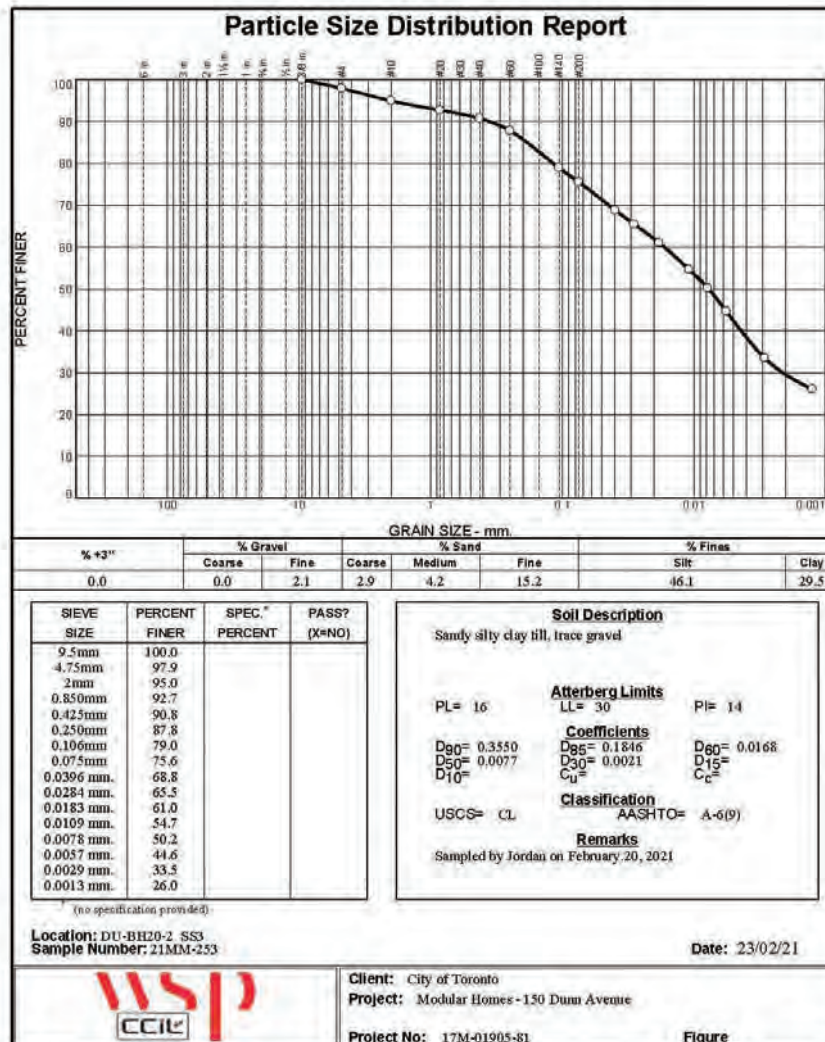


Client: City of Toronto  
Project: Modular Homes - 130 Dunn Avenue

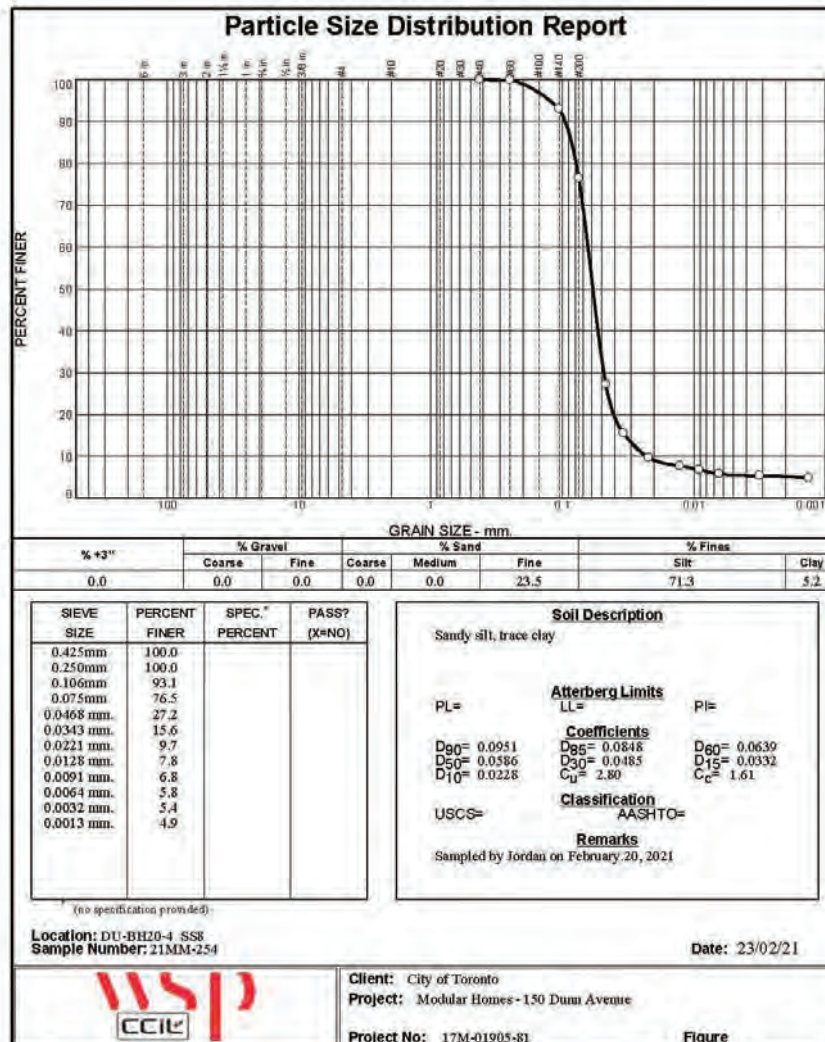
Project No: 17M-01905-81

Figure

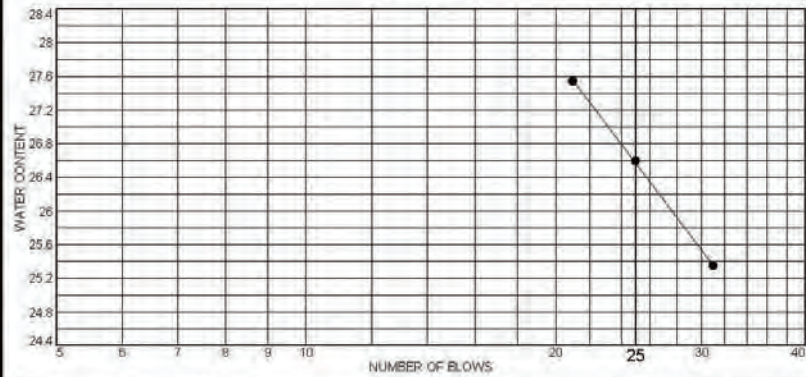
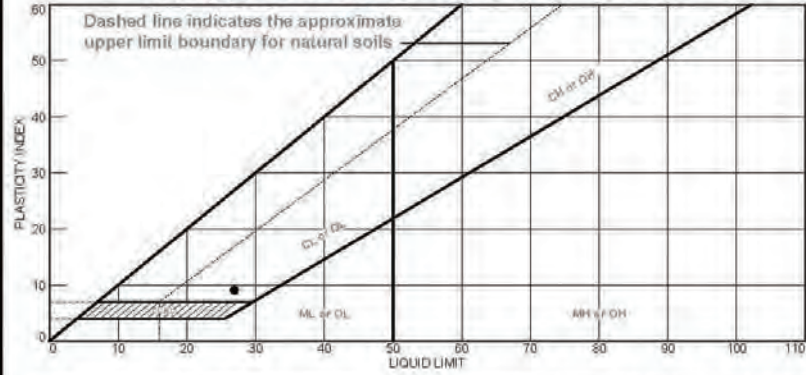








# LIQUID AND PLASTIC LIMITS TEST REPORT



MATERIAL DESCRIPTION	LL	PL	PI	% <#40	% <#200	USCS
Silty clay, trace sand	27	18	9	99.7	90.9	CL

Project No. 17M-01905-81 Client: City of Toronto

Project: Modular Homes - 150 Dunn Avenue

Location: DU-BH20-1 SS5

Sample Number: 21MM-252

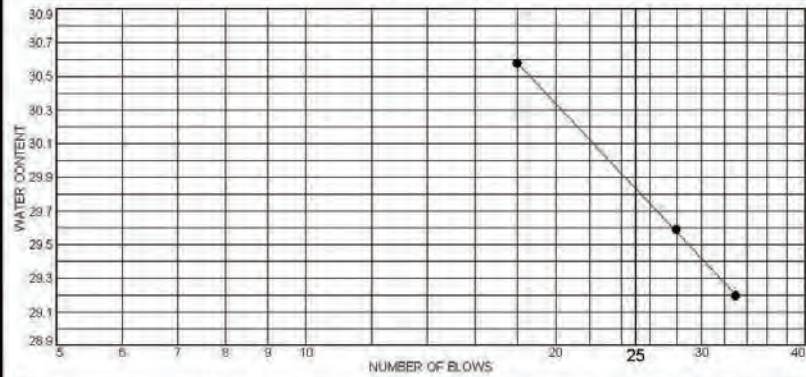
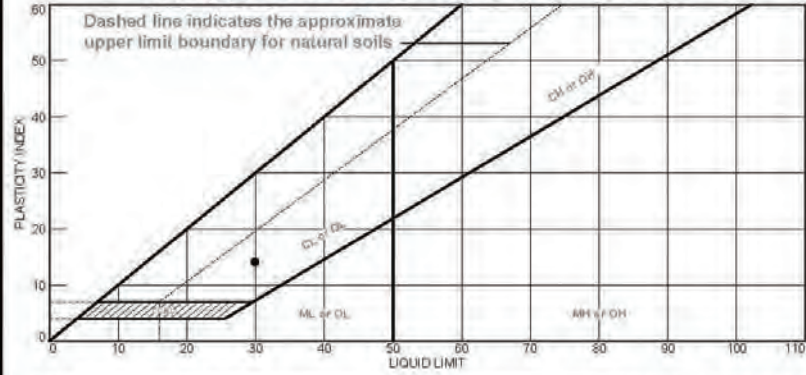
## Remarks:

- Sampled by Jordan on February 20, 2021



Figure

## LIQUID AND PLASTIC LIMITS TEST REPORT



MATERIAL DESCRIPTION	LL	PL	PI	% <#40	% <#200	USCS
Sandy silty clay till, trace gravel	30	16	14	90.8	75.6	CL

**Project No.** 17M-01905-81 **Client:** City of Toronto

**Project:** Modular Homes - 150 Dunn Avenue

**Location:** DU-BH20-2 SS3

**Sample Number:** 21MM-253

### Remarks:

- Sampled by Jordan on February 20, 2021



Figure

# APPENDIX

## **F** CERTIFICATES OF ANALYSIS



WSP Canada Group Limited  
ATTN: ALLISON READ  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL ON L3T0A1

Date Received: 22-FEB-21  
Report Date: 25-FEB-21 09:59 (MT)  
Version: FINAL

Client Phone: 905-882-4211

## Certificate of Analysis

Lab Work Order #: L2559697  
Project P.O. #: 17M-01905-81  
Job Reference: TMH-DUM AVE  
C of C Numbers: 17-872460  
Legal Site Desc:

Emily Hansen  
Account Manager

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# ANALYTICAL REPORT

L2559697 CONTD...  
Job Reference: TMH-DUM AVE  
PAGE 2 of 11  
25-FEB-21 09:59 (MT)

## Summary of Guideline Exceedances

Guideline		Client ID	Grouping	Analyte	Result	Guideline Limit	Unit						
ALS ID													
Federal & Provincial Waste Regulations (MAR, 2008) - Ontario Ministry of the Environment, General Waste Control Regulation No. 347/90													
(No parameter exceedances)													



# ANALYTICAL REPORT

L2559597 CONTD...  
Job Reference: TMH-DUM AVE  
PAGE 3 of 11  
25-FEB-21 09:59 (MT)

## Sample Preparation - WASTE

		Lab ID	12559597.1
		Sample Date	20-01-21
		Sample ID	702P
Analyte	Unit	Guide Limits	
		#1	#2
Initial pH	pH units	—	9.00
Final pH	pH units	—	5.00

Guide Limit #1: Ontario Ministry of the Environment, General Waste Control Regulation No. 347/60

  Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.  
  Analytical result for this parameter exceeds Guideline Limit(s). See Summary of Guideline Exceedances.

# ANALYTICAL REPORT

## TCLP Extractables - WASTE

Analyte	Unit	Guide Limits		Result
		#1	#2	
Acenaphthene	mg/L	—	—	<0.0050
Acenaphthylene	mg/L	—	—	<0.0050
Anthracene	mg/L	—	—	<0.0050
Benzo[a]anthracene	mg/L	—	—	<0.00020
Benzo[a]pyrene	mg/L	—	—	<0.00020
Benzo[b]fluoranthene	mg/L	—	—	<0.00020
Benzo[k]fluoranthene	mg/L	—	—	<0.00020
Benzo[e]pyrene	mg/L	—	—	<0.00020
Benzo[g,h,i]perylene	mg/L	—	—	<0.00020
Benzo[ghi]perylene	mg/L	—	—	<0.00020
Chrysene	mg/L	—	—	<0.0050
Cyanide, Weak Acid Diss.	mg/L	20	—	<0.10
Dibenz[a,h]anthracene	mg/L	—	—	<0.00020
Fluoranthene	mg/L	—	—	<0.0050
Fluorene	mg/L	—	—	<0.0050
Fluorene (F)	mg/L	100.0	—	<10
Indeno[1,2,3-cd]pyrene	mg/L	—	—	<0.00020
Naphthalene	mg/L	—	—	<0.0050
Nitrate and Nitrite as N	mg/L	1800	—	<4.0
Nitrate-N	mg/L	—	—	<2.0
Nitrite-N	mg/L	—	—	<0.0
Total PCBs	mg/L	0.9	—	<0.00040
Phenanthrene	mg/L	—	—	<0.0050
Pyrene	mg/L	—	—	<0.0050
Sulfolate: Acenaphthene d10	%	—	—	94.8
Sulfolate: Chrysene d10	%	—	—	91.5
Sulfolate: Naphthalene d10	%	—	—	93.1
Sulfolate: Phenanthrene d10	%	—	—	102.0

Guide Limit #1: Ontario Ministry of the Environment, General Waste Control Regulation No. 347/90



ANALYTICAL REPORT

L2559697 CONT'D...  
Job Reference: TMH-DUM AVE  
PAGE 5 of 11  
26-FEB-21 09:59 (MT)

TCLP Extractables - WASTE

		Lab ID	12559697.1
		Sample Date	20-FEB-21
		Sample ID	TCLP
Analyte	Unit	Guide Limits	
		#1	#2
Quinone	mg/L	~0.0050	

Guide Limit #1: Ontario Ministry of the Environment, General Waste Control Regulation No. 347/60

  Detection Limit Exceeded Guideline Limit. Assessment against Guideline Limit cannot be made.  
  Analytical result for this parameter exceeds Guide Limit(s) listed. See Summary of Guideline Exceedances.



# ANALYTICAL REPORT

L2559597 CONTD...  
Job Reference: TMH-DUM AVE  
PAGE 6 of 11  
25-FEB-21 09:59 (MT)

## TCLP Metals - WASTE

Analyte	Unit	Guide Limits		
		#1	#2	
Arsenic (As)	mg/L	2.5	—	<0.050
Barium (Ba)	mg/L	100	—	0.57
Boron (B)	mg/L	600	—	<2.0
Chromium (Cr)	mg/L	0.5	—	<0.050
Chromium (Cr)	mg/L	5.0	—	<0.050
Lead (Pb)	mg/L	5.0	—	<0.025
Methoxy (Hg)	mg/L	0.1	—	<0.00010
Selenium (Se)	mg/L	1.0	—	<0.025
Silver (Ag)	mg/L	5.0	—	<0.050
Uranium (U)	mg/L	10	—	<0.25

Guide Limit #1: Ontario Ministry of the Environment, General Waste Control Regulation No. 347/90.

  Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.  
  Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.





# ANALYTICAL REPORT

L2559597 CONTD...  
Job Reference: TMH-DUM AVE  
PAGE 7 of 11  
25-FEB-21 09:59 (MT)

## TCLP VOCs - WASTE

Analyte	Unit	Guide Limits		
		#1	#2	
1,1-Dichloroethylene	mg/L	1.4	—	<0.025
1,2-Dichloroethane	mg/L	20.0	—	<0.025
1,3-Dichlorobenzene	mg/L	0.5	—	<0.025
1,4-Dichlorobenzene	mg/L	0.5	—	<0.025
Benzene	mg/L	0.5	—	<0.025
Carbon tetrachloride	mg/L	0.5	—	<0.025
Chlorobenzene	mg/L	0	—	<0.025
Chloroform	mg/L	10	—	<0.10
Dichloromethane	mg/L	5.0	—	<0.45
Methyl Ethyl ketone	mg/L	200.0	—	<1.0
Tetrachloroethylene	mg/L	8	—	<0.025
Trichloroethylene	mg/L	6	—	<0.025
Vinyl chloride	mg/L	0.2	—	<0.050
Sample 3-Dichlorobenzene	%	—	—	100.2

Guide Limit #1: Ontario Ministry of the Environment, General Waste Control Regulation No. 347/60

  Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.  
  Analytical result for this parameter exceeds guide limits listed. See Summary of Guideline Exceedances.



ANALYTICAL REPORT

L2559597 CONTD...  
Job Reference: TMH-DUM AVE  
PAGE 8 of 11  
26-FEB-21 09:59 (MT)

Volatile Organic Compounds - WASTE

		Lab ID	12559597.1
		Sample Date	20-FEB-21
		Sample ID	702P
Analyte	Unit	Guide Limits	
		#1	#2
Summable 1,4-Dichlorobenzene	ug	10	102.5

Guide Limit #1: Ontario Ministry of the Environment, General Waste Control Regulation No. 347/60

  Detection Limit Exceeded Guideline Limit. Assessment against Guideline Limit cannot be made.  
  Analytical result for this parameter exceeds Guideline Limit(s) listed. See Summary of Guideline Exceedances.



ANALYTICAL REPORT

L2559597 CONTD...  
Job Reference: TMH-DUM AVE  
PAGE 9 of 11  
25-FEB-21 09:59 (MT)

Polychlorinated Biphenyls - WASTE

		Lab ID	12559597.1
		Sample Date	20-FEB-21
		Sample ID	702P
Analyte	Unit	Guide Limits	
		#1	#2
Sumquat: Decachlorobiphenyl	%	—	10.0
Sumquat: Tetrachlorobiphenyl	%	—	31.1

Guide Limit #1: Ontario Ministry of the Environment, General Waste Control Regulation No. 347/60

 Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.  
 Analytical result for this parameter exceeds Guideline Limits listed. See Summary of Guideline Exceedances.

## Reference Information

L2559697 CONTD...  
Job Reference: TMH-DUM AVE  
PAGE 10 of 11  
25-FEB-21 09:58 (MT)

## Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference**
CN-TCLP-WT	Waste	Cyanide for O, Reg 347	APHA 4500CN I
<p>This analysis is carried out in accordance with the extraction procedure outlined in "Test Methods for Evaluating Solid Waste - Physical/Chemical Methods Volume 1C" SW-846 EPA Method 1311, published by the United States Environmental Protection Agency (EPA). In summary, the sample is extracted at a 20:1 liquid to solids ratio for 16 to 20 hours using either extraction fluid #1 (glacial acetic acid, water and sodium hydroxide) or extraction fluid #2 (glacial acetic acid), depending on the pH of the original sample. The extract is then filtered through a 0.6 to 0.8 micron glass fiber filter. The extract is then analyzed using procedures adapted from APHA Method 4500-CN I. "Weak Acid Dissociable Cyanide". Weak Acid Dissociable (WAD) cyanide is determined by in-line sample distillation with final determination by colorimetric analysis.</p>			
F-TCLP-WT	Waste	Fluoride (F) for O, Reg 347	EPA 300.1
<p>This analysis is carried out in accordance with the extraction procedure outlined in "Test Methods for Evaluating Solid Waste - Physical/Chemical Methods Volume 1C" SW-846 EPA Method 1311, published by the United States Environmental Protection Agency (EPA). In summary, the sample is extracted at a 20:1 liquid to solids ratio for 16 to 20 hours using either extraction fluid #1 (glacial acetic acid, water and sodium hydroxide) or extraction fluid #2 (glacial acetic acid), depending on the pH of the original sample. The extract is then filtered through a 0.6 to 0.8 micron glass fiber filter. The extract is then analyzed using procedures adapted from EPA 300.1 and is analyzed by Ion Chromatography with conductivity and/or UV detection.</p>			
HG-TCLP-WT	Waste	Mercury (CVAA) for O, Reg 347	EPA 1631E
<p>This analysis is carried out in accordance with the extraction procedure outlined in "Test Methods for Evaluating Solid Waste - Physical/Chemical Methods Volume 1C" SW-846 EPA Method 1311, published by the United States Environmental Protection Agency (EPA). In summary, the sample is extracted at a 20:1 liquid to solids ratio for 16 to 20 hours using either extraction fluid #1 (glacial acetic acid, water and sodium hydroxide) or extraction fluid #2 (glacial acetic acid), depending on the pH of the original sample. The extract is then filtered through a 0.6 to 0.8 micron glass fiber filter and analyzed using atomic absorption spectrophotometry (EPA 1631E).</p>			
LEACH-TCLP-WT	Waste	Leachate Procedure for Reg 347	EPA 1311
<p>Inorganic and Semi-Volatile Organic contaminants are leached from waste samples in strict accordance with US EPA Method 1311, "Toxicity Characteristic Leaching Procedure" (TCLP). Test results are reported in leachate concentration units (normally mg/L).</p>			
MET-TCLP-WT	Waste	O, Reg 347 TCLP Leachable Metals	EPA 8020B
<p>This analysis is carried out in accordance with the extraction procedure outlined in "Test Methods for Evaluating Solid Waste - Physical/Chemical Methods Volume 1C" SW-846 EPA Method 1311, published by the United States Environmental Protection Agency (EPA). In summary, the sample is extracted at a 20:1 liquid to solids ratio for 16 to 20 hours using either extraction fluid #1 (glacial acetic acid, water and sodium hydroxide) or extraction fluid #2 (glacial acetic acid), depending on the pH of the original sample. The extract is then filtered through a 0.6 to 0.8 micron glass fiber filter. Instrumental analysis of the digested extract is by collision cell inductively coupled plasma - mass spectrometry (modified from EPA Method 8020B).</p>			
NZNS-TCLP-WT	Waste	Nitrate/Nitrite-N for O, Reg 347	EPA 300.1
<p>This analysis is carried out in accordance with the extraction procedure outlined in "Test Methods for Evaluating Solid Waste - Physical/Chemical Methods Volume 1C" SW-846 EPA Method 1311, published by the United States Environmental Protection Agency (EPA). In summary, the sample is extracted at a 20:1 liquid to solids ratio for 16 to 20 hours using either extraction fluid #1 (glacial acetic acid, water and sodium hydroxide) or extraction fluid #2 (glacial acetic acid), depending on the pH of the original sample. The extract is then filtered through a 0.6 to 0.8 micron glass fiber filter. The extract is then analyzed using procedures adapted from EPA 300.1 and is analyzed by Ion Chromatography with conductivity and/or UV detection.</p>			
PAH-TCLP-WT	Waste	PAH for O, Reg 347	SW846 8270 (PAH)
<p>Samples are leached according to TCLP protocol and then the aqueous leachate is extracted and the resulting extracts are analyzed on GC/MSD. Depending on the analytical GC/MS column used benzo(a)fluoranthene may chromatographically co-elute with benzo(b)fluoranthene or benzo(k)fluoranthene.</p>			
PCB-TCLP-WT	Waste	PCBs for O, Reg 347	SW846 8270
VOC-TCLP-WT	Waste	VOC for O, Reg 347	SW846 8260
<p>A sample of waste is leached in a zero headspace extractor at 30-2 rpm for 16-20 hours with the appropriate leaching solution. After tumbling the leachate is analyzed directly by headspace technology, followed by GC/MS using internal standard quantitation.</p>			

\*\*ALS test methods may incorporate modifications from specified reference methods to improve performance.

Reference Information

L2559697 CONTD....  
Job Reference: TMH-QUM AVE  
PAGE 11 of 11  
25-FEB-21 09:58 (MT)

Chain of Custody Numbers:	
17-872460	
The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:	
Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.  
mg/kg - milligrams per kilogram based on dry weight of sample  
mg/kg wet - milligrams per kilogram based on wet weight of sample  
mg/kg fat - milligrams per kilogram based on lipid-adjusted weight  
mg/L - unit of concentration based on volume, parts per million  
< - Less than  
D.L. - The reporting limit  
N/A - Result not available. Refer to qualifier code and definition for explanation

Test results reported relate only to the samples as received by the laboratory.  
UNTESTED/REMOVED FROM ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION  
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guideline limits are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.





## Quality Control Report

Workorder: L2559697

Report Date: 25-FEB-21

Page 1 of 8

Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1

Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>CN-TCLP-WT</b> Waste								
Batch	R5389038							
WG3492309-3	DUP	L2559697-1						
Cyanide, Weak Acid Diss		<0.10	<0.10	RPD-NA	mg/L	N/A	50	24-FEB-21
WG3492309-2	LCS		103.9		%		70-130	24-FEB-21
Cyanide, Weak Acid Diss								
WG3492309-1	MB		<0.10		mg/L		0.1	24-FEB-21
Cyanide, Weak Acid Diss								
WG3492309-4	MS	L2559697-1	103.1		%		50-140	24-FEB-21
Cyanide, Weak Acid Diss								
<b>F-TCLP-WT</b> Waste								
Batch	R5387797							
WG3491805-3	DUP	L2559058-1						
Fluoride (F)		<10	<10	RPD-NA	mg/L	N/A	30	23-FEB-21
WG3491805-2	LCS		91.8		%		70-130	23-FEB-21
Fluoride (F)								
WG3491805-1	MB		<10		mg/L		10	23-FEB-21
Fluoride (F)								
WG3491805-4	MS	L2559058-1	88.7		%		50-150	23-FEB-21
Fluoride (F)								
<b>HG-TCLP-WT</b> Waste								
Batch	R5387917							
WG3492301-3	DUP	L2559811-2						
Mercury (Hg)		<0.00010	<0.00010	RPD-NA	mg/L	N/A	50	24-FEB-21
WG3492301-2	LCS		109.0		%		70-130	24-FEB-21
Mercury (Hg)								
WG3492301-1	MB		<0.00010		mg/L		0.0001	24-FEB-21
Mercury (Hg)								
WG3492301-4	MS	L2559811-2	105.0		%		50-140	24-FEB-21
Mercury (Hg)								
<b>MET-TCLP-WT</b> Waste								
Batch	R5388079							
WG3492288-4	DUP	WG3492288-3						
Silver (Ag)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	50	24-FEB-21
Arsenic (As)		<0.050	<0.050	RPD-NA	mg/L	N/A	50	24-FEB-21
Boron (B)		<2.5	<2.5	RPD-NA	mg/L	N/A	50	24-FEB-21
Barium (Ba)		<0.50	<0.50	RPD-NA	mg/L	N/A	50	24-FEB-21
Cadmium (Cd)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	50	24-FEB-21
Chromium (Cr)		<0.050	<0.050	RPD-NA	mg/L	N/A	50	24-FEB-21



# Quality Control Report

Workorder: L2559697

Report Date: 25-FEB-21

Page 2 of 8

Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1  
Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-TCLP-WT	Waste							
Batch	R5388079							
WG3492288-4	DUP	WG3492288-3						
Lead (Pb)		<0.025	<0.025	RPD-NA	mg/L	N/A	50	24-FEB-21
Selenium (Se)		<0.025	<0.025	RPD-NA	mg/L	N/A	50	24-FEB-21
Uranium (U)		<0.25	<0.25	RPD-NA	mg/L	N/A	50	24-FEB-21
WG3492288-2	LCS							
Silver (Ag)			97.9		%		70-130	24-FEB-21
Arsenic (As)			98.9		%		70-130	24-FEB-21
Boron (B)			94.0		%		70-130	24-FEB-21
Barium (Ba)			98.8		%		70-130	24-FEB-21
Cadmium (Cd)			99.0		%		70-130	24-FEB-21
Chromium (Cr)			98.6		%		70-130	24-FEB-21
Lead (Pb)			100.2		%		70-130	24-FEB-21
Selenium (Se)			99.3		%		70-130	24-FEB-21
Uranium (U)			98.3		%		70-130	24-FEB-21
WG3492288-1	ME							
Silver (Ag)			<0.0050		mg/L		0.005	24-FEB-21
Arsenic (As)			<0.050		mg/L		0.05	24-FEB-21
Boron (B)			<2.5		mg/L		2.5	24-FEB-21
Barium (Ba)			<0.50		mg/L		0.5	24-FEB-21
Cadmium (Cd)			<0.0050		mg/L		0.005	24-FEB-21
Chromium (Cr)			<0.050		mg/L		0.05	24-FEB-21
Lead (Pb)			<0.025		mg/L		0.025	24-FEB-21
Selenium (Se)			<0.025		mg/L		0.025	24-FEB-21
Uranium (U)			<0.25		mg/L		0.25	24-FEB-21
WG3492288-5	MS	WG3492288-3						
Silver (Ag)			129.7		%		50-140	24-FEB-21
Arsenic (As)			112.6		%		50-140	24-FEB-21
Boron (B)			103.7		%		50-140	24-FEB-21
Barium (Ba)			112.3		%		50-140	24-FEB-21
Cadmium (Cd)			107.1		%		50-140	24-FEB-21
Chromium (Cr)			110.7		%		50-140	24-FEB-21
Lead (Pb)			114.8		%		50-140	24-FEB-21
Selenium (Se)			112.0		%		50-140	24-FEB-21
Uranium (U)			110.7		%		50-140	24-FEB-21
N2N3-TCLP-WT	Waste							



# Quality Control Report

Workorder: L2559697

Report Date: 25-FEB-21

Page 3 of 8

Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1  
Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>N2N3-TCLP-WT</b>								
Waste								
Batch	R5387797							
WG3491805-3	DUP	L2659058-1						
Nitrate-N		<2.0	<2.0	RPD-NA	mg/L	N/A	25	23-FEB-21
Nitrite-N		<2.0	<2.0	RPD-NA	mg/L	N/A	25	23-FEB-21
WG3491805-2	LCS							
Nitrate-N			98.0		%		70-130	23-FEB-21
Nitrite-N			98.6		%		70-130	23-FEB-21
WG3491805-1	MB							
Nitrate-N			<2.0		mg/L		2	23-FEB-21
Nitrite-N			<2.0		mg/L		2	23-FEB-21
WG3491805-4	MS	L2659058-1						
Nitrate-N			98.8		%		50-150	23-FEB-21
Nitrite-N			97.4		%		50-150	23-FEB-21
<b>PAH-TCLP-WT</b>								
Waste								
Batch	R6390062							
WG3492152-4	DUP	WG3492152-3						
Acenaphthene		<0.0050	<0.0050	RPD-NA	mg/L	N/A	50	25-FEB-21
Acenaphthylene		<0.0050	<0.0050	RPD-NA	mg/L	N/A	50	25-FEB-21
Anthracene		<0.0050	<0.0050	RPD-NA	mg/L	N/A	50	25-FEB-21
Benzo(a)anthracene		<0.0050	<0.0050	RPD-NA	mg/L	N/A	50	25-FEB-21
Benzo(a)pyrene		<0.0010	<0.0010	RPD-NA	mg/L	N/A	50	25-FEB-21
Benzo(b)fluoranthene		<0.0050	<0.0050	RPD-NA	mg/L	N/A	50	25-FEB-21
Benzo(g,h,i)perylene		<0.0050	<0.0050	RPD-NA	mg/L	N/A	50	25-FEB-21
Benzo(k)fluoranthene		<0.0050	<0.0050	RPD-NA	mg/L	N/A	50	25-FEB-21
Chrysene		<0.0050	<0.0050	RPD-NA	mg/L	N/A	50	25-FEB-21
Dibenz(a,h)anthracene		<0.0050	<0.0050	RPD-NA	mg/L	N/A	50	25-FEB-21
Fluoranthene		<0.0050	<0.0050	RPD-NA	mg/L	N/A	50	25-FEB-21
Fluorene		0.0062	0.0058		mg/L	8.4	50	25-FEB-21
Indeno(1,2,3-cd)pyrene		<0.0050	<0.0050	RPD-NA	mg/L	N/A	50	25-FEB-21
Phenanthrene		0.0084	0.0080		mg/L	8.2	50	25-FEB-21
Pyrene		<0.0050	<0.0050	RPD-NA	mg/L	N/A	50	25-FEB-21
Quinoline		<0.0050	<0.0050	RPD-NA	mg/L	N/A	50	25-FEB-21
WG3492152-2	LCS							
Acenaphthene			91.7		%		50-130	25-FEB-21
Acenaphthylene			92.0		%		50-130	25-FEB-21
Anthracene			88.6		%		50-130	25-FEB-21



# Quality Control Report

Workorder: L2559697

Report Date: 25-FEB-21

Page 4 of 8

Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1

Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-TCLP-WT	Waste							
Batch	R5390062							
WG3492162-2	LCS							
Benzo(a)anthracene			114.6		%		50-140	25-FEB-21
Benzo(a)pyrene			93.4		%		60-140	25-FEB-21
Benzo(b)fluoranthene			84.3		%		50-140	25-FEB-21
Benzo(g,h,i)perylene			88.5		%		50-140	25-FEB-21
Benzo(k)fluoranthene			85.1		%		50-150	25-FEB-21
Chrysene			97.0		%		50-140	25-FEB-21
Dibenz(a,h)anthracene			96.6		%		50-140	25-FEB-21
Fluoranthene			95.6		%		50-150	25-FEB-21
Fluorene			97.6		%		50-150	25-FEB-21
Indeno(1,2,3-cd)pyrene			109.2		%		50-140	25-FEB-21
Naphthalene			93.8		%		50-130	25-FEB-21
Phenanthrene			98.2		%		50-130	25-FEB-21
Pyrene			95.4		%		50-140	25-FEB-21
Quinoline			125.6		%		50-150	25-FEB-21
WG3492162-1	MB							
Acenaphthene			<0.0050		mg/L		0.005	25-FEB-21
Acenaphthylene			<0.0050		mg/L		0.005	25-FEB-21
Anthracene			<0.0050		mg/L		0.005	25-FEB-21
Benzo(a)anthracene			<0.0050		mg/L		0.005	25-FEB-21
Benzo(a)pyrene			<0.0010		mg/L		0.001	25-FEB-21
Benzo(b)fluoranthene			<0.0050		mg/L		0.005	25-FEB-21
Benzo(g,h,i)perylene			<0.0050		mg/L		0.005	25-FEB-21
Benzo(k)fluoranthene			<0.0050		mg/L		0.005	25-FEB-21
Chrysene			<0.0050		mg/L		0.005	25-FEB-21
Dibenz(a,h)anthracene			<0.0050		mg/L		0.005	25-FEB-21
Fluoranthene			<0.0050		mg/L		0.005	25-FEB-21
Fluorene			<0.0050		mg/L		0.005	25-FEB-21
Indeno(1,2,3-cd)pyrene			<0.0050		mg/L		0.005	25-FEB-21
Naphthalene			<0.0050		mg/L		0.005	25-FEB-21
Phenanthrene			<0.0050		mg/L		0.005	25-FEB-21
Pyrene			<0.0050		mg/L		0.005	25-FEB-21
Quinoline			<0.0050		mg/L		0.005	25-FEB-21
Surrogate: Naphthalene d8			87.6		%		50-150	25-FEB-21
Surrogate: Phenanthrene d10			87.0		%		50-150	25-FEB-21



# Quality Control Report

Workorder: L2559697

Report Date: 25-FEB-21

Page 5 of 8

Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1  
Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-TCLP-WT</b>								
Waste								
Batch R5390062								
WG3492162-1 MB								
Surrogate: Chrysene d12			87.2		%		50-150	25-FEB-21
Surrogate: Acenaphthene d10			78.2		%		50-150	25-FEB-21
WG3492162-6 MS								
Acenaphthene		WG3492162-3	N/A	MS-B	%		-	25-FEB-21
Acenaphthylene			N/A	MS-B	%		-	25-FEB-21
Anthracene			89.1		%		50-150	25-FEB-21
Benzo(a)anthracene			116.7		%		50-150	25-FEB-21
Benzo(a)pyrene			93.1		%		50-150	25-FEB-21
Benzo(b)fluoranthene			87.0		%		50-150	25-FEB-21
Benzo(g,h,i)perylene			83.5		%		50-150	25-FEB-21
Benzo(k)fluoranthene			86.9		%		50-150	25-FEB-21
Chrysene			88.6		%		50-150	25-FEB-21
Dibenz(a,h)anthracene			94.3		%		50-150	25-FEB-21
Fluoranthene			98.3		%		50-150	25-FEB-21
Fluorene			N/A	MS-B	%		-	25-FEB-21
Indeno(1,2,3-cd)pyrene			102.2		%		50-150	25-FEB-21
Phenanthrene			N/A	MS-B	%		-	25-FEB-21
Pyrene			98.0		%		50-150	25-FEB-21
<b>PCB-TCLP-WT</b>								
Waste								
Batch R5389597								
WG3492619-3 DUP								
Aroclor 1242		WG3492619-6	<0.00020	RPD-NA	mg/L	N/A	50	25-FEB-21
Aroclor 1248			<0.00020	RPD-NA	mg/L	N/A	50	25-FEB-21
Aroclor 1254			<0.00020	RPD-NA	mg/L	N/A	50	25-FEB-21
Aroclor 1260			<0.00020	RPD-NA	mg/L	N/A	50	25-FEB-21
WG3492619-2 LCS								
Aroclor 1242			86.4		%		65-130	25-FEB-21
Aroclor 1248			79.1		%		65-130	25-FEB-21
Aroclor 1254			81.1		%		65-130	25-FEB-21
Aroclor 1260			98.8		%		65-130	25-FEB-21
WG3492619-1 MB								
Aroclor 1242			<0.00020		mg/L		0.0002	25-FEB-21
Aroclor 1248			<0.00020		mg/L		0.0002	25-FEB-21
Aroclor 1254			<0.00020		mg/L		0.0002	25-FEB-21





# Quality Control Report

Workorder: L2559697

Report Date: 25-FEB-21

Page 6 of 8

Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1  
Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PCB-TCLP-WT</b>								
Waste								
Batch R5389697								
WG3492619-1 MB								
Aroclor 1260			<0.00020		mg/L		0.0002	25-FEB-21
Surrogate Decachlorobiphenyl			124.9		%		50-150	25-FEB-21
Surrogate Tetrachloro-m-xylene			85.5		%		50-150	25-FEB-21
WG3492619-4 MS								
Aroclor 1242		WG3492619-5	85.1		%		50-150	25-FEB-21
Aroclor 1254			78.6		%		50-150	25-FEB-21
Aroclor 1260			100.3		%		50-150	25-FEB-21
<b>VOC-TCLP-WT</b>								
Waste								
Batch R5389064								
WG3492239-1 LCS								
1,1-Dichloroethylene			100.3		%		70-130	24-FEB-21
1,2-Dichlorobenzene			104.0		%		70-130	24-FEB-21
1,2-Dichloroethane			100.6		%		70-130	24-FEB-21
1,4-Dichlorobenzene			98.6		%		70-130	24-FEB-21
Benzene			98.0		%		70-130	24-FEB-21
Carbon tetrachloride			102.9		%		80-140	24-FEB-21
Chlorobenzene			101.2		%		70-130	24-FEB-21
Chloroform			102.3		%		70-130	24-FEB-21
Dichloromethane			106.2		%		70-130	24-FEB-21
Methyl Ethyl Ketone			119.5		%		50-150	24-FEB-21
Tetrachloroethylene			101.5		%		70-130	24-FEB-21
Trichloroethylene			98.4		%		70-130	24-FEB-21
Vinyl chloride			106.3		%		80-130	24-FEB-21
WG3492239-2 MB								
1,1-Dichloroethylene			<0.025		mg/L		0.025	24-FEB-21
1,2-Dichlorobenzene			<0.025		mg/L		0.025	24-FEB-21
1,2-Dichloroethane			<0.025		mg/L		0.025	24-FEB-21
1,4-Dichlorobenzene			<0.025		mg/L		0.025	24-FEB-21
Benzene			<0.025		mg/L		0.025	24-FEB-21
Carbon tetrachloride			<0.025		mg/L		0.025	24-FEB-21
Chlorobenzene			<0.025		mg/L		0.025	24-FEB-21
Chloroform			<0.10		mg/L		0.1	24-FEB-21
Dichloromethane			<0.50		mg/L		0.5	24-FEB-21
Methyl Ethyl Ketone			<1.0		mg/L		1	24-FEB-21



## Quality Control Report

Workorder: L2559897

Report Date: 25-FEB-21

Page 7 of 8

Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1

Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-TCLP-WT	Waste							
Batch	R5388064							
WG3492239-2	MB							
Tetrachloroethylene			<0.025		mg/L		0.025	24-FEB-21
Trichloroethylene			<0.025		mg/L		0.025	24-FEB-21
Vinyl chloride			<0.050		mg/L		0.05	24-FEB-21
Surrogate: 1,4-Difluorobenzene			102.1		%		70-130	24-FEB-21
Surrogate: 4-Bromofluorobenzene			99.5		%		70-130	24-FEB-21

## Quality Control Report

Workorder: L2559697

Report Date: 25-FEB-21

Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL ON L3T9A1  
Contact: ALLISON READ

Page 8 of 8

### Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

### Sample Parameter Qualifier Definitions:

Qualifier	Description
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

### Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



<b>Report To:</b> Company: <b>ALP</b> Contact: <b>Alison Row</b> Phone: _____ Street: _____ City/Township: _____ Postal Code: _____ Province: _____ Fax: _____ E-mail: _____ Website: _____		<b>Report Format / Distribution</b> Report Format: <input checked="" type="checkbox"/> PDF <input type="checkbox"/> HTML <input type="checkbox"/> FAX <input type="checkbox"/> (403-232-7241) Quality Control (QC) Reports with Report: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Sample Analysis Report: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Report Distribution: <input checked="" type="checkbox"/> HTML <input type="checkbox"/> FAX <input type="checkbox"/> Mail		<b>Deliver Service Level - Contact your AEP (see table at EAP T&amp;Ts) (surcharges may apply)</b> Regular (R) <input type="checkbox"/> Same day (S) <input type="checkbox"/> 1-800-268-2688 (surcharge apply) 4 day (P4-24H) <input type="checkbox"/> 3 day (P3-24H) <input type="checkbox"/> 2 day (P2-24H) <input type="checkbox"/> 1 Business day (B - 100%) Same Day, Weekend or Statutory Holiday (E2-200%) (Laboratory opening time may apply) Date and Time Received by all EAPs: _____ (no shipping fee) We make this service available on working days when we are open, you will be notified.	
Company address below will appear on this report: 120 COMMERCIAL DRIVE THORNHILL Ontario M3H 5T4 Canada		<b>Invoice Description</b> Sample 1: <b>100 COMMERCIAL DRIVE</b> Sample 2: _____ Sample 3: _____ Sample 4: _____ Sample 5: _____ Sample 6: _____ Sample 7: _____ Sample 8: _____ Sample 9: _____ Sample 10: _____ Sample 11: _____ Sample 12: _____ Sample 13: _____ Sample 14: _____ Sample 15: _____ Sample 16: _____ Sample 17: _____ Sample 18: _____ Sample 19: _____ Sample 20: _____ Sample 21: _____ Sample 22: _____ Sample 23: _____ Sample 24: _____ Sample 25: _____ Sample 26: _____ Sample 27: _____ Sample 28: _____ Sample 29: _____ Sample 30: _____ Sample 31: _____ Sample 32: _____ Sample 33: _____ Sample 34: _____ Sample 35: _____ Sample 36: _____ Sample 37: _____ Sample 38: _____ Sample 39: _____ Sample 40: _____ Sample 41: _____ Sample 42: _____ Sample 43: _____ Sample 44: _____ Sample 45: _____ Sample 46: _____ Sample 47: _____ Sample 48: _____ Sample 49: _____ Sample 50: _____ Sample 51: _____ Sample 52: _____ Sample 53: _____ Sample 54: _____ Sample 55: _____ Sample 56: _____ Sample 57: _____ Sample 58: _____ Sample 59: _____ Sample 60: _____ Sample 61: _____ Sample 62: _____ Sample 63: _____ Sample 64: _____ Sample 65: _____ Sample 66: _____ Sample 67: _____ Sample 68: _____ Sample 69: _____ Sample 70: _____ Sample 71: _____ Sample 72: _____ Sample 73: _____ Sample 74: _____ Sample 75: _____ Sample 76: _____ Sample 77: _____ Sample 78: _____ Sample 79: _____ Sample 80: _____ Sample 81: _____ Sample 82: _____ Sample 83: _____ Sample 84: _____ Sample 85: _____ Sample 86: _____ Sample 87: _____ Sample 88: _____ Sample 89: _____ Sample 90: _____ Sample 91: _____ Sample 92: _____ Sample 93: _____ Sample 94: _____ Sample 95: _____ Sample 96: _____ Sample 97: _____ Sample 98: _____ Sample 99: _____ Sample 100: _____ Sample 101: _____ Sample 102: _____ Sample 103: _____ Sample 104: _____ Sample 105: _____ Sample 106: _____ Sample 107: _____ Sample 108: _____ Sample 109: _____ Sample 110: _____ Sample 111: _____ Sample 112: _____ Sample 113: _____ Sample 114: _____ Sample 115: _____ Sample 116: _____ Sample 117: _____ Sample 118: _____ Sample 119: _____ Sample 120: _____ Sample 121: _____ Sample 122: _____ Sample 123: _____ Sample 124: _____ Sample 125: _____ Sample 126: _____ Sample 127: _____ Sample 128: _____ Sample 129: _____ Sample 130: _____ Sample 131: _____ Sample 132: _____ Sample 133: _____ Sample 134: _____ Sample 135: _____ Sample 136: _____ Sample 137: _____ Sample 138: _____ Sample 139: _____ Sample 140: _____ Sample 141: _____ Sample 142: _____ Sample 143: _____ Sample 144: _____ Sample 145: _____ Sample 146: _____ Sample 147: _____ Sample 148: _____ Sample 149: _____ Sample 150: _____ Sample 151: _____ Sample 152: _____ Sample 153: _____ Sample 154: _____ Sample 155: _____ Sample 156: _____ Sample 157: _____ Sample 158: _____ Sample 159: _____ Sample 160: _____ Sample 161: _____ Sample 162: _____ Sample 163: _____ Sample 164: _____ Sample 165: _____ Sample 166: _____ Sample 167: _____ Sample 168: _____ Sample 169: _____ Sample 170: _____ Sample 171: _____ Sample 172: _____ Sample 173: _____ Sample 174: _____ Sample 175: _____ Sample 176: _____ Sample 177: _____ Sample 178: _____ Sample 179: _____ Sample 180: _____ Sample 181: _____ Sample 182: _____ Sample 183: _____ Sample 184: _____ Sample 185: _____ Sample 186: _____ Sample 187: _____ Sample 188: _____ Sample 189: _____ Sample 190: _____ Sample 191: _____ Sample 192: _____ Sample 193: _____ Sample 194: _____ Sample 195: _____ Sample 196: _____ Sample 197: _____ Sample 198: _____ Sample 199: _____ Sample 200: _____ Sample 201: _____ Sample 202: _____ Sample 203: _____ Sample 204: _____ Sample 205: _____ Sample 206: _____ Sample 207: _____ Sample 208: _____ Sample 209: _____ Sample 210: _____ Sample 211: _____ Sample 212: _____ Sample 213: _____ Sample 214: _____ Sample 215: _____ Sample 216: _____ Sample 217: _____ Sample 218: _____ Sample 219: _____ Sample 220: _____ Sample 221: _____ Sample 222: _____ Sample 223: _____ Sample 224: _____ Sample 225: _____ Sample 226: _____ Sample 227: _____ Sample 228: _____ Sample 229: _____ Sample 230: _____ Sample 231: _____ Sample 232: _____ Sample 233: _____ Sample 234: _____ Sample 235: _____ Sample 236: _____ Sample 237: _____ Sample 238: _____ Sample 239: _____ Sample 240: _____ Sample 241: _____ Sample 242: _____ Sample 243: _____ Sample 244: _____ Sample 245: _____ Sample 246: _____ Sample 247: _____ Sample 248: _____ Sample 249: _____ Sample 250: _____ Sample 251: _____ Sample 252: _____ Sample 253: _____ Sample 254: _____ Sample 255: _____ Sample 256: _____ Sample 257: _____ Sample 258: _____ Sample 259: _____ Sample 260: _____ Sample 261: _____ Sample 262: _____ Sample 263: _____ Sample 264: _____ Sample 265: _____ Sample 266: _____ Sample 267: _____ Sample 268: _____ Sample 269: _____ Sample 270: _____ Sample 271: _____ Sample 272: _____ Sample 273: _____ Sample 274: _____ Sample 275: _____ Sample 276: _____ Sample 277: _____ Sample 278: _____ Sample 279: _____ Sample 280: _____ Sample 281: _____ Sample 282: _____ Sample 283: _____ Sample 284: _____ Sample 285: _____ Sample 286: _____ Sample 287: _____ Sample 288: _____ Sample 289: _____ Sample 290: _____ Sample 291: _____ Sample 292: _____ Sample 293: _____			



WSP Canada Inc. (Thornhill)  
ATTN: Allison Read  
100 Commerce Valley Drive West  
Thornhill ON L3T 0A1

Date Received: 22-FEB-21  
Report Date: 23-FEB-21 14:46 (MT)  
Version: FINAL

Client Phone: 416-569-0080

## Certificate of Analysis

Lab Work Order #: L2559766  
Project P.O. #: 17M-01905-81  
Job Reference: TMH-150 DUNN AVE  
C of C Numbers: 20-891041  
Legal Site Desc:

Emily Hansen  
Account Manager

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# ANALYTICAL REPORT

L2559766 CONTD...  
Job Reference: TMH-150 DUNN AVE  
PAGE 2 of 14  
23-FEB-21 14:46 (MT)

## Summary of Guideline Exceedances

Guideline		Client ID	Grouping	Analyte	Result	Guideline Limit	Unit
ALS ID							
Ontario Regulation 153/04 - April 15, 2011 Standards - T3-Non-Potable Ground Water-All Types of Property Uses (Coarse)							
L2559766-1	DUP-BH20-4	DUP-1	Arsenic and Nutrients	Chloride (Cl)	5000	2300	mg/L
L2559766-2			Arsenic and Nutrients	Chloride (Cl)	5570	2300	mg/L
Ontario Regulation 153/04 - April 15, 2011 Standards - T3-Non-Potable Ground Water-All Types of Property Uses (Fine)							
L2559766-1	DUP-BH20-4	DUP-1	Arsenic and Nutrients	Chloride (Cl)	5000	2300	mg/L
L2559766-2			Arsenic and Nutrients	Chloride (Cl)	5570	2300	mg/L

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.



## ANALYTICAL REPORT

L2659766 CONTD...  
Job Reference: TMH-160 DUNN AVE  
PAGE 3 of 14  
23-FEB-21 14:46 (MT)

### Physical Tests - WATER

		Lab ID	12509766-1	12509766-2
		Sample Date	23-FEB-21	23-FEB-21
		Sample ID	DU-BK03-A	DUP-1
Analyte	Unit	Guide Limits		
		#1	#2	
Conductivity	µS/cm	75.0	150	
pH	pH units	7.1	7.0	

Guide Limit #1: T3-Non-Potable Ground Water-All Types of Property Uses (Coarse)

Guide Limit #2: T3-Non-Potable Ground Water-All Types of Property Uses (Fine)

Yellow Detection Limit for nonal exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

Red Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any codes or notes.



# ANALYTICAL REPORT

L2559766 CONT'D...  
Job Reference: TMH-150 DUNN AVE  
PAGE 4 of 14  
23-FEB-21 14:46 (MT)

## Anions and Nutrients - WATER

		Lab ID	13559766-1	13559766-2
		Sample Date	22-FEB-21	23-FEB-21
		Sample ID	DU-BK03-4	DUP-1
		Guide Limits		
		#1	#2	
Analyte	Unit			
Chloride (Cl)	mg/L	2300	2300	5500

Guide Limit #1: T3-Non-Potable Ground Water-All Types of Property Uses (Coarse)

Guide Limit #2: T3-Non-Potable Ground Water-All Types of Property Uses (Fine)

Yellow Delisted Limit for regulated Guideline Limit. Assessment against Guideline Limit cannot be made.

Pink Analytical result for this parameter exceeds Guideline Limit(s) listed. See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.



# ANALYTICAL REPORT

L2559766 CONTD...  
Job Reference: TMH-150 DUNN AVE  
PAGE 5 of 14  
23-FEB-21 14:46 (MT)

## Cyanides - WATER

		Lab ID	12559766-1	12559766-2
		Sample Date	22-FEB-21	23-FEB-21
		Sample ID	DU-BK03-4	DUP-1
Analyte	Unit	Guide Limits		
		#1	#2	
Cyanide, Weak Acid Disc	µg/L	55	55	<2.0

Guide Limit #1: T3-Non-Potable Ground Water-All Types of Property Uses (Coarse)

Guide Limit #2: T3-Non-Potable Ground Water-All Types of Property Uses (Fine)

Default Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

Analytical result for this parameter exceeds Guideline Limit(s). See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.



# ANALYTICAL REPORT

L2659766 CONT'D...  
Job Reference: TMH-160 DUNN AVE  
PAGE 6 of 14  
23-FEB-21 14:46 (MT)

## Dissolved Metals - WATER

Analyte	Unit	Guide Limits		FIELD	FIELD
		#1	#2		
Dissolved Mercury Filtration Location	—	—	—	FIELD	FIELD
Dissolved Metals Filtration Location	—	—	—	FIELD	FIELD
Arsenic (As) Dissolved	ug/L	20000	20000	<1.0 <small>RL</small>	<1.0 <small>RL</small>
Arsenic (As) Dissolved	ug/L	1900	1900	<1.0 <small>RL</small>	<1.0 <small>RL</small>
Boron (B) Dissolved	ug/L	24000	24000	850 <small>RL</small>	320 <small>RL</small>
Beryllium (Be) Dissolved	ug/L	62	62	<1.0 <small>RL</small>	<1.0 <small>RL</small>
Boron (B) Dissolved	ug/L	48000	48000	120 <small>RL</small>	110 <small>RL</small>
Calcium (Ca) Dissolved	ug/L	7.7	7.7	<0.0005 <small>RL</small>	<0.0005 <small>RL</small>
Chromium (Cr) Dissolved	ug/L	810	810	<2.0 <small>RL</small>	<2.0 <small>RL</small>
Cobalt (Co) Dissolved	ug/L	66	66	1.1 <small>RL</small>	<1.0 <small>RL</small>
Copper (Cu) Dissolved	ug/L	87	87	<2.0 <small>RL</small>	<2.0 <small>RL</small>
Lead (Pb) Dissolved	ug/L	25	25	<0.50 <small>RL</small>	0.75 <small>RL</small>
Mercury (Hg) Dissolved	ug/L	0.24	0.24	<0.0050 <small>RL</small>	<0.0050 <small>RL</small>
Molybdenum (Mo) Dissolved	ug/L	8200	10200	4.00 <small>RL</small>	3.00 <small>RL</small>
Nickel (Ni) Dissolved	ug/L	480	480	<5.0 <small>RL</small>	<5.0 <small>RL</small>
Selenium (Se) Dissolved	ug/L	63	63	<0.50 <small>RL</small>	<0.50 <small>RL</small>
Silver (Ag) Dissolved	ug/L	1.5	1.5	<0.50 <small>RL</small>	<0.50 <small>RL</small>
Sodium (Na) Dissolved	ug/L	220000000000000	162000000000000	100000 <small>RL</small>	100000 <small>RL</small>
Thallium (Tl) Dissolved	ug/L	510	510	<0.10 <small>RL</small>	0.54 <small>RL</small>
Uranium (U) Dissolved	ug/L	420	420	2.00 <small>RL</small>	1.47 <small>RL</small>
Vanadium (V) Dissolved	ug/L	280	250	<8.0 <small>RL</small>	<8.10 <small>RL</small>
Zinc (Zn) Dissolved	ug/L	1100	1100	<10 <small>RL</small>	<10 <small>RL</small>

Guide Limit #1: 13-Non-Potable Ground Water-All Types of Property Uses (Coarse)

Guide Limit #2: 13-Non-Potable Ground Water-All Types of Property Uses (Fine)

    Defect Limit: the result exceeds Guide Limit. Assessment against Guide Limit cannot be made.  
    Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any superscript notes.





# ANALYTICAL REPORT

L2559766 CONT'D...  
Job Reference: TMH-150 DUNN AVE  
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## Speciated Metals - WATER

		Lab ID	12559766-1	12559766-2
		Sample Date	22-FEB-21	23-FEB-21
		Sample ID	DU-BK03-4	DUP-1
Analyte	Unit	Guide Limits		
		#1	#2	
Chromium, hexavalent	ug/L	140	140	<0.50    <0.50

Guide Limit #1: T3-Non-Potable Ground Water-All Types of Property Uses (Coarse)

Guide Limit #2: T3-Non-Potable Ground Water-All Types of Property Uses (Fine)

Deficient Until for result exceeds Guideline Limit. Assessment Log and Guideline Limit cannot be made.

Analytical result for this parameter exceeds Guideline Limit. See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.



# ANALYTICAL REPORT

L2559766 CONT'D  
Job Reference: TMH-150 DUNN AVE  
PAGE 8 of 14  
23-FEB-21 14:45 (MT)

## Volatile Organic Compounds - WATER

Analyte	Unit	Guide Limits		Lab ID	Sample Date	Sample ID
		#1	#2	12559766-1	23-FEB-21	DU-BK03-4
Acetone	ug/L	130000	130000	<30	<30	
Benzene	ug/L	34	430	<0.50	<0.50	
Bromochloromethane	ug/L	66000	65000	<2.0	<2.0	
Bromoforn	ug/L	390	770	<0.6	<0.6	
Bromonethane	ug/L	6.6	66	<0.50	<0.50	
Carbon tetrachloride	ug/L	0.79	84	<0.20	<0.20	
Chlorobenzene	ug/L	1680	160	<0.50	<0.50	
Chloroethanol	ug/L	82000	82000	<2.0	<2.0	
Chloroform	ug/L	2.4	22	<1.0	<1.0	
1,2-Dichloroethane	ug/L	0.25	0.83	<0.20	<0.20	
1,2-Dichlorobenzene	ug/L	4000	9600	<0.50	<0.50	
1,3-Dichlorobenzene	ug/L	8600	6600	<0.50	<0.50	
1,4-Dichlorobenzene	ug/L	8	67	<0.50	<0.50	
Dichloromethane	ug/L	46000	4300	<2.0	<2.0	
1,1-Dichloroethane	ug/L	320	3100	<0.50	<0.50	
1,2-Dichloroethane	ug/L	1.6	12	<0.50	<0.50	
1,1-Dichloroethylene	ug/L	1.6	12	<0.50	<0.50	
cis-1,2-Dichloroethylene	ug/L	1.6	12	<0.50	<0.50	
trans-1,2-Dichloroethylene	ug/L	1.6	12	<0.50	<0.50	
Methylene Chloride	ug/L	0.10	6500	<0.5	<0.5	
1,2-Dichloropropane	ug/L	16	140	<0.50	<0.50	
cis-1,3-Dichloropropene	ug/L	-	-	<0.50	<0.50	
trans-1,3-Dichloropropene	ug/L	-	-	<0.50	<0.50	
1,3-Dichloropropene (cis & trans)	ug/L	0.2	45	<0.50	<0.50	
Ethylbenzene	ug/L	2800	2800	<0.50	<0.50	
n-Hexane	ug/L	51	520	<0.50	<0.50	
Methyl Ethyl Ketone	ug/L	470000	1500000	<20	<20	
Methyl Isobutyl Ketone	ug/L	140000	580000	<20	<20	
MTBE	ug/L	190	1490	<2.0	<2.0	
Styrene	ug/L	1300	1100	<0.50	<0.50	

Guide Limit #1: T3-Non-Potable Ground Water-All Types of Property Uses (Coarse)

Guide Limit #2: T3-Non-Potable Ground Water-All Types of Property Uses (Fine)

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.



# ANALYTICAL REPORT

L2559766 CONT'D...  
Job Reference: TMH-150 DUNN AVE  
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## Volatile Organic Compounds - WATER

Analyte	Unit	Guide Limits		Lab ID	Sample Date	Sample ID
		#1	#2			
1,1,1,2-Tetrachloroethane	ug/L	2.3	28	12559766-1	22-FEB-21	DUN-1
1,1,2,2-Tetrachloroethane	ug/L	3.2	12	12559766-2	22-FEB-21	DUN-1
Trichloroethylene	ug/L	1.6	17			
Toluene	ug/L	10000	10000			
1,1,1-Trichloroethane	ug/L	1540	6700			
1,1,2-Trichloroethane	ug/L	4.7	30			
Trichloroethylene	ug/L	1.6	17			
Trichlorofluoromethane	ug/L	2800	3300			
Vinyl chloride	ug/L	0.5	1.7			
o-Xylene	ug/L	-	-			
m,p-Xylenes	ug/L	-	-			
Xylenes (Total)	ug/L	4200	4200			
Summate 4-Bromobiphenylene	%	-	-			
Summate 1,4-Dichlorobenzene	%	-	-			

Guide Limit #1: T3-Non-Potable Ground Water-All Types of Property Uses (Coarse)

Guide Limit #2: T3-Non-Potable Ground Water-All Types of Property Uses (Fine)

Yellow Detection Limit for result exceeds Guideline Limit. Accuracy against Guideline Limit cannot be made.

Pink Analytical result for this parameter exceeds Guideline Limits listed. See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.



# ANALYTICAL REPORT

L2559766 CONTD...  
Job Reference: TMH-160 DUNN AVE  
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## Hydrocarbons - WATER

Analyte	Unit	Guide Limits		Lab ID	Sample Date	Sample ID
		#1	#2			
F1 (C6-C10)	ug/L	750	750	13559766-1	22-FEB-21	DU-1
F1-BTEX	ug/L	750	750	13559766-2	23-FEB-21	DU-1
F2 (C10-C18)	ug/L	150	150			
F2-Naphth	ug/L	-	-			
F3 (C16-C34)	ug/L	500	500			
F3-PMH	ug/L	-	-			
F4 (C34-C50)	ug/L	500	500			
Total Hydrocarbons (C6-C50)	ug/L	-	-			
Chrom. to Baseline at 70°C	%	-	-			
Surrogate 2-Bromonaphthofluorene	%	-	-			
Surrogate 3,4-Dichlorobiphenyl	%	-	-			

Guide Limit #1: T3-Non-Potable Ground Water-All Types of Property Uses (Coarse)

Guide Limit #2: T3-Non-Potable Ground Water-All Types of Property Uses (Fine)

Deflection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.



# ANALYTICAL REPORT

L2659766 CONTD...  
Job Reference: TMH-160 DUNN AVE  
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## Polycyclic Aromatic Hydrocarbons - WATER

Analyte	Unit	Guide Limits		Lab ID	Sample Date	Sample ID
		#1	#2			
Acenaphthene	ug/L	800	1700	12659766-1	23-FEB-21	DUN-1
Acenaphthylene	ug/L	1.4	1.6	12659766-2	23-FEB-21	DUN-1
Anthracene	ug/L	2.4	2.4			
Benzo[a]anthracene	ug/L	4.7	4.7			
Benzo[a]pyrene	ug/L	0.81	0.81			
Benzo[b]fluoranthene	ug/L	0.75	0.75			
Benzo[g,h,i]perylene	ug/L	0.2	0.2			
Benzo[k]fluoranthene	ug/L	0.4	0.4			
Chrysene	ug/L	1	1			
Dibenz[a,h]anthracene	ug/L	0.52	0.52			
Fluorene	ug/L	100	150			
Fluoranthene	ug/L	400	400			
Indeno[1,2,3-cd]pyrene	ug/L	0.2	0.2			
1-Methylanthracene	ug/L	1800	1800			
1-Methylnaphthalene	ug/L	1800	1800			
2-Methylnaphthalene	ug/L	1800	1800			
Naphthalene	ug/L	1800	1800			
Phenanthrene	ug/L	580	580			
Pyrene	ug/L	60	60			
Surrogate: Acenaphthene d10	%	-	-			
Surrogate: Chrysene d12	%	-	-			
Surrogate: Naphthalene d8	%	-	-			
Surrogate: Phenanthrene d10	%	-	-			

Guide Limit #1: T3-Non-Potable Ground Water-All Types of Property Uses (Coarse)  
Guide Limit #2: T3-Non-Potable Ground Water-All Types of Property Uses (Fine)  
Defect: Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.  
Analytical result for this parameter exceeds Guideline Limits listed. See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any qualifiers notes.



## Reference Information

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### Qualifiers for Individual Parameters Listed:

Qualifier	Description
R	The ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
DLHC	Detection Limit Raised: Dilution required due to high concentration of test analyte(s).

### Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference***
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**CL-IC-N-WT** Water Chloride by IC EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

**CN-WAD-R511-WT** Water Cyanide (WAD)-O Reg 153/04 APHA 4500CN I-Weak acid Dist Colorimet

Weak acid dissociable cyanide (WAD) is determined by undergoing a distillation procedure. Cyanide is converted to cyanogen chloride by reacting with chloramine-T, the cyanogen chloride then reacts with a combination of barbituric acid and isonicotinic acid to form a highly colored complex.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

**CR-CR6-IC-R511-WT** Water Hex Chrom-O Reg 153/04 (July 2011) EPA 7199

This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Method 7189, published by the United States Environmental Protection Agency (EPA). The procedure involves analysis for chromium (VI) by ion chromatography using diphenylcarbazide in a sulphuric acid solution. Chromium (III) is calculated as the difference between the total chromium and the chromium (VI) results.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

**EC-R511-WT** Water Conductivity-O Reg 153/04 (July 2011) APHA 2510 B

Water samples can be measured directly by immersing the conductivity cell into the sample.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

**EC-SCREEN-WT** Water Conductivity Screen (Internal Use Only) APHA 2510

Qualitative analysis of conductivity where required during preparation of other tests - e.g. TDS, metals, etc.

**F1-F4-S11-CALC-WT** Water F1-F4 Hydrocarbon Calculated Parameters CCME CWS-PHC, Pub #1310, Dec 2001-L

Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS-PHC.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS-PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C8 to C10 hydrocarbons.

In samples where BTEX and F1 were analyzed, F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenz(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:

1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

## Reference Information

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Job Reference: TMH-150 DUNN AVE  
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## Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference**
<p>Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:</p> <ol style="list-style-type: none"><li>1. All extraction and analysis holding times were met.</li><li>2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.</li><li>3. Instrument performance showing the C50 response factor within 20% of the average of the C10, C16 and C34 response factors.</li><li>4. Linearity of diesel or motor oil response within 15% throughout the calibration range.</li></ol>			
<b>F1-HS-511-WT</b>	Water	F1-O Reg 153/04 (July 2011)	E3398/CCME TIER 1-HS
Fraction F1 is determined by analyzing by headspace-GC/FID.			
Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).			
<b>F2-F4-511-WT</b>	Water	F2-F4-O Reg 153/04 (July 2011)	EPA 3511/CCME Tier 1
Petroleum Hydrocarbons (F2-F4 fractions) are extracted from water using a hexane micro-extraction technique. Instrumental analysis is by GC-FID, as per the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil (Tier 1 Method, CCME, 2001).			
Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).			
<b>HG-D-UG/L-CVAA-WT</b>	Water	Diss. Mercury in Water by CVAAS (ug/L)	EPA 1631E (mod)
Water samples are filtered (0.45 um), preserved with hydrochloric acid, then undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS.			
Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).			
<b>MET-D-UG/L-MS-WT</b>	Water	Diss. Metals in Water by ICPMS (ug/L)	EPA 200.8
The metal constituents of a non-acidified sample that pass through a membrane filter prior to ICPMS analysis.			
Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).			
<b>METHYLNAPS-CALC-WT</b>	Water	PAH-Calculated Parameters	SW846 8270
<b>PAH-511-WT</b>	Water	PAH-O, Reg 153/04 (July 2011)	SW846 3510/8270
Aqueous samples, fortified with surrogates, are extracted using liquid/liquid extraction technique. The sample extracts are concentrated and then analyzed using GC/MS. Results for benzo(b) fluoranthene may include contributions from benzo(j)fluoranthene, if also present in the sample.			
Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).			
<b>PH-WT</b>	Water	pH	APHA 4500 H-Electrode
Water samples are analyzed directly by a calibrated pH meter.			
Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011). Holdtime for samples under this regulation is 28 days.			
<b>VOC-1,3-DCP-CALC-WT</b>	Water	Regulation 153 VOC's	SW8260B/SW8270C
<b>VOC-511-HS-WT</b>	Water	VOC by GCMS HS O Reg 153/04 (July 2011)	SW846 8260

## Reference Information

L2559766 CONTD....  
 Job Reference: TMH-150 DUNN AVE  
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### Methods Listed (if applicable):

ALS Test Code	Metric	Test Description	Method Reference**
Liquid samples are analyzed by headspace GC/MSD.			
Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV/1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).			
XYLENES-SUM-CALC-WT	Water	Sum of Xylene Isomer Concentrations	CALCULATION
Total xylenes represents the sum of o-xylene and m,p-xylene			
**ALS test methods may incorporate modifications from specified reference methods to improve performance.			
Chain of Custody Numbers:			
20-891041			
The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:			
Laboratory Definition Code	Laboratory Location		
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA		

### GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg wet - milligrams per kilogram based on wet weight of sample

mg/kg fat - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume: parts per million

< - Less than

D.L. - The reporting limit

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

Unsigned/unsigned results: ALL SAMPLES HAVE MICROSCOPIC ACIDITY NUMBER DETERMINED.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guideline limits are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.



## Quality Control Report

Workorder: L2559766

Report Date: 23-FEB-21

Page 1 of 12

Client: WSP Canada Inc. (Thornhill)  
100 Commerce Valley Drive West  
Thornhill, ON L3T 0A1

Contact: Allison Read

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>CL-IC-N-WT</b> Water								
Batch	R538624							
WG3491387-16	DUP	WG3491387-13						
Chloride (Cl)		35.8	35.8		mg/L	0.2	20	22-FEB-21
WG3491387-12	LCS							
Chloride (Cl)			100.8		%		90-110	22-FEB-21
WG3491387-11	MB							
Chloride (Cl)			<0.50		mg/L		0.5	22-FEB-21
WG3491387-14	MS	WG3491387-13						
Chloride (Cl)			98.8		%		75-125	22-FEB-21
<b>CN-WAD-R511-WT</b> Water								
Batch	R5386418							
WG3491689-3	DUP	WG3491689-5						
Cyanide, Weak Acid Diss		<2.0	<2.0	RPD-NA	ug/L	N/A	20	23-FEB-21
WG3491689-2	LCS							
Cyanide, Weak Acid Diss			91.7		%		80-120	23-FEB-21
WG3491689-1	MB							
Cyanide, Weak Acid Diss			<2.0		ug/L		2	23-FEB-21
WG3491689-4	MS	WG3491689-5						
Cyanide, Weak Acid Diss			108.1		%		75-125	23-FEB-21
<b>CR-CR6-IC-R511-WT</b> Water								
Batch	R5386124							
WG3491543-8	DUP	WG3491543-7						
Chromium, Hexavalent		<0.50	<0.50	RPD-NA	ug/L	N/A	20	23-FEB-21
WG3491543-2	LCS							
Chromium, Hexavalent			101.2		%		80-120	23-FEB-21
WG3491543-1	MB							
Chromium, Hexavalent			<0.50		ug/L		0.5	23-FEB-21
WG3491543-9	MS	WG3491543-7						
Chromium, Hexavalent			101.9		%		70-130	23-FEB-21
<b>EC-R511-WT</b> Water								
Batch	R5386121							
WG3491654-4	DUP	WG3491654-3						
Conductivity		16.7	16.5		mS/cm	0.8	10	23-FEB-21
WG3491654-2	LCS							
Conductivity			108.5		%		90-110	23-FEB-21
WG3491654-1	MB							
Conductivity			<0.0030		mS/cm		0.003	23-FEB-21
<b>F1-HS-511-WT</b> Water								



# Quality Control Report

Workorder: L2559766

Report Date: 23-FEB-21

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Client: WSP Canada Inc. (Thornhill)  
100 Commerce Valley Drive West  
Thornhill ON L3T 0A1

Contact: Allison Read

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>F1-HS-511-WT</b> Water								
Batch	R5385465							
WG3490981-4	DUP	WG3490981-3						
F1 (C8-C10)		<25	<25	RPD-NA	ug/L	N/A	30	23-FEB-21
WG3490981-1	LCS		98.2		%		80-120	23-FEB-21
F1 (C8-C10)								
WG3490981-2	MB		<25		ug/L		25	23-FEB-21
F1 (C8-C10)								
Surrogate: 3,4-Dichlorotoluene			92.7		%		80-140	23-FEB-21
WG3490981-5	MS	WG3490981-3						
F1 (C8-C10)			90.8		%		80-140	23-FEB-21
<b>F2-F4-511-WT</b> Water								
Batch	R5386142							
WG3491417-2	LCS							
F2 (C10-C18)			112.2		%		70-130	23-FEB-21
F3 (C16-C34)			108.2		%		70-130	23-FEB-21
F4 (C34-C50)			128.4		%		70-130	23-FEB-21
WG3491417-1	MB							
F2 (C10-C18)			<100		ug/L		100	23-FEB-21
F3 (C16-C34)			<250		ug/L		250	23-FEB-21
F4 (C34-C50)			<250		ug/L		250	23-FEB-21
Surrogate: 2-Bromobenzotrifluoride			91.7		%		80-140	23-FEB-21
<b>HG-D-UG/L-CVAA-WT</b> Water								
Batch	R5386188							
WG3491640-3	DUP	L2559766-1						
Mercury (Hg)-Dissolved		<0.0050	<0.0050	RPD-NA	ug/L	N/A	20	23-FEB-21
WG3491640-2	LCS							
Mercury (Hg)-Dissolved			101.0		%		80-120	23-FEB-21
WG3491640-1	MB							
Mercury (Hg)-Dissolved			<0.0050		ug/L		0.005	23-FEB-21
WG3491640-4	MS	L2559766-2						
Mercury (Hg)-Dissolved			105.0		%		70-130	23-FEB-21
<b>MET-D-UG/L-MS-WT</b> Water								
Batch	R5386160							
WG3491426-4	DUP	WG3491426-3						
Antimony (Sb)-Dissolved		<1.0	<1.0	RPD-NA	ug/L	N/A	20	22-FEB-21
Arsenic (As)-Dissolved		<1.0	<1.0	RPD-NA	ug/L	N/A	20	22-FEB-21
Barium (Ba)-Dissolved		458	456		ug/L	0.5	20	22-FEB-21





# Quality Control Report

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Client: WSP Canada Inc. (Thornhill)  
100 Commerce Valley Drive West  
Thornhill ON L3T 0A1

Contact: Allison Read

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-D-UGL-MS-WT</b>								
<b>Batch R5385160</b>								
<b>WG3491426-4 DUP</b>								
Beryllium (Be)-Dissolved		<1.0	<1.0	RPD-NA	ug/L	N/A	20	22-FEB-21
Boron (B)-Dissolved		120	120		ug/L	0.4	20	22-FEB-21
Cadmium (Cd)-Dissolved		<0.050	<0.050	RPD-NA	ug/L	N/A	20	22-FEB-21
Chromium (Cr)-Dissolved		<5.0	<5.0	RPD-NA	ug/L	N/A	20	22-FEB-21
Cobalt (Co)-Dissolved		1.1	1.2		ug/L	7.5	20	22-FEB-21
Copper (Cu)-Dissolved		<2.0	<2.0	RPD-NA	ug/L	N/A	20	22-FEB-21
Lead (Pb)-Dissolved		<0.50	<0.50	RPD-NA	ug/L	N/A	20	22-FEB-21
Molybdenum (Mo)-Dissolved		4.00	4.13		ug/L	3.2	20	22-FEB-21
Nickel (Ni)-Dissolved		<5.0	<5.0	RPD-NA	ug/L	N/A	20	22-FEB-21
Selenium (Se)-Dissolved		<0.50	<0.50	RPD-NA	ug/L	N/A	20	22-FEB-21
Silver (Ag)-Dissolved		<0.50	<0.50	RPD-NA	ug/L	N/A	20	22-FEB-21
Sodium (Na)-Dissolved		1620000	1650000		ug/L	2.3	20	22-FEB-21
Thallium (Tl)-Dissolved		<0.10	<0.10	RPD-NA	ug/L	N/A	20	22-FEB-21
Uranium (U)-Dissolved		2.08	2.08		ug/L	0.0	20	22-FEB-21
Vanadium (V)-Dissolved		<5.0	<5.0	RPD-NA	ug/L	N/A	20	22-FEB-21
Zinc (Zn)-Dissolved		<10	<10	RPD-NA	ug/L	N/A	20	22-FEB-21
<b>WG3491426-2 LCS</b>								
Antimony (Sb)-Dissolved			101.8	%			80-120	22-FEB-21
Arsenic (As)-Dissolved			97.1	%			80-120	22-FEB-21
Barium (Ba)-Dissolved			102.4	%			80-120	22-FEB-21
Beryllium (Be)-Dissolved			91.2	%			80-120	22-FEB-21
Boron (B)-Dissolved			90.1	%			80-120	22-FEB-21
Cadmium (Cd)-Dissolved			93.4	%			80-120	22-FEB-21
Chromium (Cr)-Dissolved			90.9	%			80-120	22-FEB-21
Cobalt (Co)-Dissolved			89.5	%			80-120	22-FEB-21
Copper (Cu)-Dissolved			87.7	%			80-120	22-FEB-21
Lead (Pb)-Dissolved			96.8	%			80-120	22-FEB-21
Molybdenum (Mo)-Dissolved			99.9	%			80-120	22-FEB-21
Nickel (Ni)-Dissolved			88.6	%			80-120	22-FEB-21
Selenium (Se)-Dissolved			97.5	%			80-120	22-FEB-21
Silver (Ag)-Dissolved			100.3	%			80-120	22-FEB-21
Sodium (Na)-Dissolved			95.4	%			80-120	22-FEB-21
Thallium (Tl)-Dissolved			97.7	%			80-120	22-FEB-21



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Client: WSP Canada Inc. (Thornhill)  
100 Commerce Valley Drive West  
Thornhill ON L3T 0A1

Contact: Allison Read

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-UGL-MS-WT	Water							
Batch	R5385160							
WG3491426-2	LCS							
Uranium (U)-Dissolved			97.1		%		80-120	22-FEB-21
Vanadium (V)-Dissolved			94.2		%		80-120	22-FEB-21
Zinc (Zn)-Dissolved			92.7		%		80-120	22-FEB-21
WG3491426-1	MB							
Antimony (Sb)-Dissolved			<0.10		ug/L		0.1	22-FEB-21
Arsenic (As)-Dissolved			<0.10		ug/L		0.1	22-FEB-21
Barium (Ba)-Dissolved			<0.10		ug/L		0.1	22-FEB-21
Beryllium (Be)-Dissolved			<0.10		ug/L		0.1	22-FEB-21
Boron (B)-Dissolved			<10		ug/L		10	22-FEB-21
Cadmium (Cd)-Dissolved			<0.0050		ug/L		0.005	22-FEB-21
Chromium (Cr)-Dissolved			<0.50		ug/L		0.5	22-FEB-21
Cobalt (Co)-Dissolved			<0.10		ug/L		0.1	22-FEB-21
Copper (Cu)-Dissolved			<0.20		ug/L		0.2	22-FEB-21
Lead (Pb)-Dissolved			<0.050		ug/L		0.05	22-FEB-21
Molybdenum (Mo)-Dissolved			<0.050		ug/L		0.05	22-FEB-21
Nickel (Ni)-Dissolved			<0.50		ug/L		0.5	22-FEB-21
Selenium (Se)-Dissolved			<0.050		ug/L		0.05	22-FEB-21
Silver (Ag)-Dissolved			<0.050		ug/L		0.05	22-FEB-21
Sodium (Na)-Dissolved			<50		ug/L		50	22-FEB-21
Thallium (Tl)-Dissolved			<0.010		ug/L		0.01	22-FEB-21
Uranium (U)-Dissolved			<0.010		ug/L		0.01	22-FEB-21
Vanadium (V)-Dissolved			<0.50		ug/L		0.5	22-FEB-21
Zinc (Zn)-Dissolved			<1.0		ug/L		1	22-FEB-21
WG3491426-5	MS	WG3491426-3						
Antimony (Sb)-Dissolved			93.2		%		70-130	22-FEB-21
Arsenic (As)-Dissolved			93.9		%		70-130	22-FEB-21
Barium (Ba)-Dissolved			N/A	MS-B	%		-	22-FEB-21
Beryllium (Be)-Dissolved			90.1		%		70-130	22-FEB-21
Boron (B)-Dissolved			N/A	MS-B	%		-	22-FEB-21
Cadmium (Cd)-Dissolved			95.0		%		70-130	22-FEB-21
Chromium (Cr)-Dissolved			99.3		%		70-130	22-FEB-21
Cobalt (Co)-Dissolved			76.5		%		70-130	22-FEB-21
Copper (Cu)-Dissolved			74.9		%		70-130	22-FEB-21
Lead (Pb)-Dissolved			98.2		%		70-130	22-FEB-21



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Client: WSP Canada Inc. (Thornhill)  
100 Commerce Valley Drive West  
Thornhill ON L3T 0A1

Contact: Allison Read

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-D-UGL-MS-WT</b>								
Batch R5385160								
WG3491426-5 MS								
Nickel (Ni)-Dissolved	Water	WG3491426-3	75.8		%		70-130	22-FEB-21
Selenium (Se)-Dissolved			82.0		%		70-130	22-FEB-21
Silver (Ag)-Dissolved			87.8		%		70-130	22-FEB-21
Sodium (Na)-Dissolved			N/A	MS-B	%		-	22-FEB-21
Thallium (Tl)-Dissolved			88.3		%		70-130	22-FEB-21
Uranium (U)-Dissolved			N/A	MS-B	%		-	22-FEB-21
Vanadium (V)-Dissolved			95.3		%		70-130	22-FEB-21
<b>PAH-511-WT</b>								
Batch R5385561								
WG3491417-2 LCS								
1-Methylnaphthalene			93.1		%		50-140	23-FEB-21
2-Methylnaphthalene			90.0		%		50-140	23-FEB-21
Acenaphthene			93.7		%		50-140	23-FEB-21
Acenaphthylene			91.5		%		50-140	23-FEB-21
Anthracene			82.7		%		50-140	23-FEB-21
Benzo(a)anthracene			87.4		%		50-140	23-FEB-21
Benzo(a)pyrene			83.7		%		50-140	23-FEB-21
Benzo(b)fluoranthene			86.2		%		50-140	23-FEB-21
Benzo(g,h,i)perylene			92.8		%		50-140	23-FEB-21
Benzo(k)fluoranthene			88.1		%		50-140	23-FEB-21
Chrysene			75.7		%		50-140	23-FEB-21
Dibenz(a,h)anthracene			88.2		%		50-140	23-FEB-21
Fluoranthene			94.5		%		50-140	23-FEB-21
Fluorene			95.1		%		50-140	23-FEB-21
Indeno(1,2,3-cd)pyrene			98.8		%		50-140	23-FEB-21
Naphthalene			93.4		%		50-140	23-FEB-21
Phenanthrene			101.0		%		50-140	23-FEB-21
Pyrene			92.5		%		50-140	23-FEB-21
WG3491417-1 MB								
1-Methylnaphthalene			<0.020		ug/L		0.02	23-FEB-21
2-Methylnaphthalene			<0.020		ug/L		0.02	23-FEB-21
Acenaphthene			<0.020		ug/L		0.02	23-FEB-21
Acenaphthylene			<0.020		ug/L		0.02	23-FEB-21
Anthracene			<0.020		ug/L		0.02	23-FEB-21



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**Client:** WSP Canada Inc. (Thornhill)  
100 Commerce Valley Drive West  
Thornhill ON L3T 0A1

**Contact:** Allison Read

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>								
Water								
<b>Batch</b>	<b>R5385561</b>							
<b>WG3491417-1 MB</b>								
Benzo(a)anthracene			<0.020		ug/L		0.02	23-FEB-21
Benzo(a)pyrene			<0.010		ug/L		0.01	23-FEB-21
Benzo(b)fluoranthene			<0.020		ug/L		0.02	23-FEB-21
Benzo(g,h,i)perylene			<0.020		ug/L		0.02	23-FEB-21
Benzo(k)fluoranthene			<0.020		ug/L		0.02	23-FEB-21
Chrysene			<0.020		ug/L		0.02	23-FEB-21
Dibenz(a,h)anthracene			<0.020		ug/L		0.02	23-FEB-21
Fluoranthene			<0.020		ug/L		0.02	23-FEB-21
Fluorene			<0.020		ug/L		0.02	23-FEB-21
Indeno(1,2,3-cd)pyrene			<0.020		ug/L		0.02	23-FEB-21
Naphthalene			<0.050		ug/L		0.05	23-FEB-21
Phenanthrene			<0.020		ug/L		0.02	23-FEB-21
Pyrene			<0.020		ug/L		0.02	23-FEB-21
Surrogate: Naphthalene d8			113.8		%		60-140	23-FEB-21
Surrogate: Phenanthrene d10			100.5		%		80-140	23-FEB-21
Surrogate: Chrysene d12			83.0		%		50-150	23-FEB-21
Surrogate: Acenaphthene d10			99.5		%		50-150	23-FEB-21
<b>PH-WT</b>								
Water								
<b>Batch</b>	<b>R5386121</b>							
<b>WG3491654-4 DUP</b>		<b>WG3491654-3</b>						
pH		7.10	7.08	U	pH units	0.01	0.2	23-FEB-21
<b>WG3491654-2 LCS</b>								
pH			7.00		pH units		6.9-7.1	23-FEB-21
<b>VOC-511-HS-WT</b>								
Water								
<b>Batch</b>	<b>R5385465</b>							
<b>WG3490981-4 DUP</b>		<b>WG3490981-3</b>						
1,1,1,2-Tetrachloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
1,1,2,2-Tetrachloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
1,1,1-Trichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
1,1,2-Trichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
1,1-Dichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
1,1-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
1,2-Dibromoethane		<0.20	<0.20	RPD-NA	ug/L	N/A	30	23-FEB-21
1,2-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21





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Client: WSP Canada Inc. (Thornhill)  
100 Commerce Valley Drive West  
Thornhill ON L3T 0A1

Contact: Allison Read

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-S11-HS-WT	Water							
Batch	R5385465							
WG3490981-4 DUP		WG3490981-3						
1,2-Dichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
1,2-Dichloropropane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
1,3-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
1,4-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
Acetone		<30	<30	RPD-NA	ug/L	N/A	30	23-FEB-21
Benzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
Bromodichloromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	23-FEB-21
Bromotom		<5.0	<5.0	RPD-NA	ug/L	N/A	30	23-FEB-21
Bromomethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
Carbon tetrachloride		<0.20	<0.20	RPD-NA	ug/L	N/A	30	23-FEB-21
Chlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
Chloroform		<1.0	<1.0	RPD-NA	ug/L	N/A	30	23-FEB-21
cis-1,2-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
cis-1,3-Dichloropropene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	23-FEB-21
Dibromochloromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	23-FEB-21
Dichlorodifluoromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	23-FEB-21
Ethylbenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
n-Hexane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
m,p-Xylenes		<0.40	<0.40	RPD-NA	ug/L	N/A	30	23-FEB-21
Methyl Ethyl Ketone		<20	<20	RPD-NA	ug/L	N/A	30	23-FEB-21
Methyl Isobutyl Ketone		<20	<20	RPD-NA	ug/L	N/A	30	23-FEB-21
Methylene Chloride		<5.0	<5.0	RPD-NA	ug/L	N/A	30	23-FEB-21
MTBE		<2.0	<2.0	RPD-NA	ug/L	N/A	30	23-FEB-21
o-Xylene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	23-FEB-21
Styrene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
Tetrachloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
Toluene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
trans-1,2-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
trans-1,3-Dichloropropene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	23-FEB-21
Trichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
Trichlorofluoromethane		<5.0	<5.0	RPD-NA	ug/L	N/A	30	23-FEB-21
Vinyl chloride		<0.50	<0.50	RPD-NA	ug/L	N/A	30	23-FEB-21
WG3490981-1	LCS							





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Client: WSP Canada Inc. (Thornhill)  
100 Commerce Valley Drive West  
Thornhill, ON L3T 0A1

Contact: Allison Read

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-S11-HS-WT	Water							
Batch	R5385465							
WG3490981-1	LCS							
1,1,1,2-Tetrachloroethane			101.4		%		70-130	23-FEB-21
1,1,2,2-Tetrachloroethane			107.1		%		70-130	23-FEB-21
1,1,1-Trichloroethane			98.5		%		70-130	23-FEB-21
1,1,2-Trichloroethane			106.4		%		70-130	23-FEB-21
1,1-Dichloroethane			96.5		%		70-130	23-FEB-21
1,2-Dichloroethylene			96.2		%		70-130	23-FEB-21
1,2-Dibromoethane			108.5		%		70-130	23-FEB-21
1,2-Dichlorobenzene			104.6		%		70-130	23-FEB-21
1,2-Dichloroethane			108.4		%		70-130	23-FEB-21
1,2-Dichloropropane			104.4		%		70-130	23-FEB-21
1,3-Dichlorobenzene			109.4		%		70-130	23-FEB-21
1,4-Dichlorobenzene			107.9		%		70-130	23-FEB-21
Acetone			112.9		%		60-140	23-FEB-21
Benzene			98.9		%		70-130	23-FEB-21
Bromodichloromethane			107.8		%		70-130	23-FEB-21
Bromoforn			117.5		%		70-130	23-FEB-21
Bromomethane			93.6		%		60-140	23-FEB-21
Carbon tetrachloride			97.1		%		70-130	23-FEB-21
Chlorobenzene			101.6		%		70-130	23-FEB-21
Chloroform			103.3		%		70-130	23-FEB-21
cis-1,2-Dichloroethylene			104.8		%		70-130	23-FEB-21
cis-1,3-Dichloropropene			103.8		%		70-130	23-FEB-21
Dibromochloromethane			104.6		%		70-130	23-FEB-21
Dichlorodifluoromethane			85.8		%		50-140	23-FEB-21
Ethylbenzene			97.7		%		70-130	23-FEB-21
n-Hexane			90.2		%		70-130	23-FEB-21
m+p-Xylenes			98.0		%		70-130	23-FEB-21
Methyl Ethyl Ketone			109.8		%		60-140	23-FEB-21
Methyl Isobutyl Ketone			111.3		%		60-140	23-FEB-21
Methylene Chloride			101.5		%		70-130	23-FEB-21
MTBE			102.1		%		70-130	23-FEB-21
o-Xylene			109.5		%		70-130	23-FEB-21
Styrene			105.7		%		70-130	23-FEB-21



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Client: WSP Canada Inc. (Thornhill)  
100 Commerce Valley Drive West  
Thornhill ON L3T 0A1

Contact: Allison Read

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	Water							
Batch	R5385465							
WG3490981-1	LCS							
Tetrachloroethylene			94.1		%		70-130	23-FEB-21
Toluene			98.2		%		70-130	23-FEB-21
trans-1,2-Dichloroethylene			97.0		%		70-130	23-FEB-21
trans-1,3-Dichloropropene			107.2		%		70-130	23-FEB-21
Trichloroethylene			100.1		%		70-130	23-FEB-21
Trichlorofluoromethane			95.4		%		80-140	23-FEB-21
Vinyl chloride			96.0		%		80-140	23-FEB-21
WG3490981-2	MB							
1,1,1,2-Tetrachloroethane			<0.50		ug/L		0.5	23-FEB-21
1,1,2,2-Tetrachloroethane			<0.50		ug/L		0.5	23-FEB-21
1,1,1-Trichloroethane			<0.50		ug/L		0.5	23-FEB-21
1,1,2-Trichloroethane			<0.50		ug/L		0.5	23-FEB-21
1,1-Dichloroethane			<0.50		ug/L		0.5	23-FEB-21
1,1-Dichloroethylene			<0.50		ug/L		0.5	23-FEB-21
1,2-Dibromothane			<0.20		ug/L		0.2	23-FEB-21
1,2-Dichlorobenzene			<0.50		ug/L		0.5	23-FEB-21
1,2-Dichloroethane			<0.50		ug/L		0.5	23-FEB-21
1,2-Dichloropropane			<0.50		ug/L		0.5	23-FEB-21
1,3-Dichlorobenzene			<0.50		ug/L		0.5	23-FEB-21
1,4-Dichlorobenzene			<0.50		ug/L		0.5	23-FEB-21
Acetone			<30		ug/L		30	23-FEB-21
Benzene			<0.50		ug/L		0.5	23-FEB-21
Bromodichloromethane			<2.0		ug/L		2	23-FEB-21
Bromoform			<5.0		ug/L		5	23-FEB-21
Bromomethane			<0.50		ug/L		0.5	23-FEB-21
Carbon tetrachloride			<0.20		ug/L		0.2	23-FEB-21
Chlorobenzene			<0.50		ug/L		0.5	23-FEB-21
Chloroform			<1.0		ug/L		1	23-FEB-21
cis-1,2-Dichloroethylene			<0.50		ug/L		0.5	23-FEB-21
cis-1,3-Dichloropropene			<0.30		ug/L		0.3	23-FEB-21
Dibromochloromethane			<2.0		ug/L		2	23-FEB-21
Dichlorodifluoromethane			<2.0		ug/L		2	23-FEB-21
Ethylbenzene			<0.50		ug/L		0.5	23-FEB-21
n-Hexane			<0.50		ug/L		0.5	23-FEB-21



# Quality Control Report

Workorder: L2559766

Report Date: 23-FEB-21

Page 10 of 12

Client: WSP Canada Inc. (Thornhill)  
100 Commerce Valley Drive West  
Thornhill ON L3T 0A1

Contact: Allison Read

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-S11-HS-WT	Water							
Batch	R5385465							
WG3490981-2 MB								
m,p-xylenes			<0.40		ug/L		0.4	23-FEB-21
Methyl Ethyl Ketone			<20		ug/L		20	23-FEB-21
Methyl Isobutyl Ketone			<20		ug/L		20	23-FEB-21
Methylene Chloride			<5.0		ug/L		5	23-FEB-21
MTBE			<2.0		ug/L		2	23-FEB-21
o-xylene			<0.30		ug/L		0.3	23-FEB-21
Styrene			<0.50		ug/L		0.5	23-FEB-21
Tetrachloroethylene			<0.50		ug/L		0.5	23-FEB-21
Toluene			<0.50		ug/L		0.5	23-FEB-21
trans-1,2-Dichloroethylene			<0.50		ug/L		0.5	23-FEB-21
trans-1,3-Dichloropropene			<0.30		ug/L		0.3	23-FEB-21
Trichloroethylene			<0.50		ug/L		0.5	23-FEB-21
Trichlorofluoromethane			<5.0		ug/L		5	23-FEB-21
Vinyl chloride			<0.50		ug/L		0.5	23-FEB-21
Surrogate: 1,4-Difluorobenzene			101.9		%		70-130	23-FEB-21
Surrogate: 4-Bromofluorobenzene			99.9		%		70-130	23-FEB-21
WG3490981-5 MS		WG3490981-3						
1,1,1,2-Tetrachloroethane			100.8		%		50-140	23-FEB-21
1,1,2,2-Tetrachloroethane			102.7		%		50-140	23-FEB-21
1,1,1-Trichloroethane			95.5		%		50-140	23-FEB-21
1,1,2-Trichloroethane			103.2		%		50-140	23-FEB-21
1,1-Dichloroethane			94.5		%		50-140	23-FEB-21
1,1-Dichloroethylene			93.2		%		50-140	23-FEB-21
1,2-Dibromoethane			101.6		%		50-140	23-FEB-21
1,2-Dichlorobenzene			103.9		%		50-140	23-FEB-21
1,2-Dichloroethane			102.2		%		50-140	23-FEB-21
1,2-Dichloropropane			102.1		%		50-140	23-FEB-21
1,3-Dichlorobenzene			111.5		%		50-140	23-FEB-21
1,4-Dichlorobenzene			111.4		%		50-140	23-FEB-21
Acetone			107.9		%		50-140	23-FEB-21
Benzene			96.7		%		50-140	23-FEB-21
Bromodichloromethane			105.1		%		50-140	23-FEB-21
Bromotom			107.1		%		50-140	23-FEB-21
Bromomethane			87.7		%		50-140	23-FEB-21



# Quality Control Report

Workorder: L2559766

Report Date: 23-FEB-21

Page 11 of 12

Client: WSP Canada Inc. (Thornhill)  
100 Commerce Valley Drive West  
Thornhill ON L3T 0A1

Contact: Allison Read

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-S11-HS-WT	Water							
Batch	R5385465							
WG3490981-6 MS		WG3490981-3						
Carbon tetrachloride			96.5		%		50-140	23-FEB-21
Chlorobenzene			101.8		%		50-140	23-FEB-21
Chloroform			101.8		%		50-140	23-FEB-21
cis-1,2-Dichloroethylene			102.8		%		50-140	23-FEB-21
cis-1,3-Dichloropropene			99.8		%		50-140	23-FEB-21
Dibromochloromethane			100.5		%		50-140	23-FEB-21
Dichlorodifluoromethane			74.0		%		50-140	23-FEB-21
Ethylbenzene			97.7		%		50-140	23-FEB-21
n-Hexane			86.6		%		50-140	23-FEB-21
m,p-Xylenes			98.1		%		50-140	23-FEB-21
Methyl Ethyl Ketone			102.3		%		50-140	23-FEB-21
Methyl Isobutyl Ketone			101.0		%		50-140	23-FEB-21
Methylene Chloride			97.8		%		50-140	23-FEB-21
MTBE			101.3		%		50-140	23-FEB-21
o-Xylene			109.8		%		50-140	23-FEB-21
Styrene			104.6		%		50-140	23-FEB-21
Tetrachloroethylene			93.0		%		50-140	23-FEB-21
Toluene			95.9		%		50-140	23-FEB-21
trans-1,2-Dichloroethylene			94.0		%		50-140	23-FEB-21
trans-1,3-Dichloropropene			102.2		%		50-140	23-FEB-21
Trichloroethylene			99.0		%		50-140	23-FEB-21
Trichlorofluoromethane			91.5		%		50-140	23-FEB-21
Vinyl chloride			89.2		%		50-140	23-FEB-21

## Quality Control Report

Workorder: L2559766

Report Date: 23-FEB-21

Client: WSP Canada Inc. (Thornhill)  
100 Commerce Valley Drive West  
Thornhill ON L3T 0A1  
Contact: Allison Read

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### Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

### Sample Parameter Qualifier Definitions:

Qualifier	Description
J	Duplicate results and limits are expressed in terms of absolute difference.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

### Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

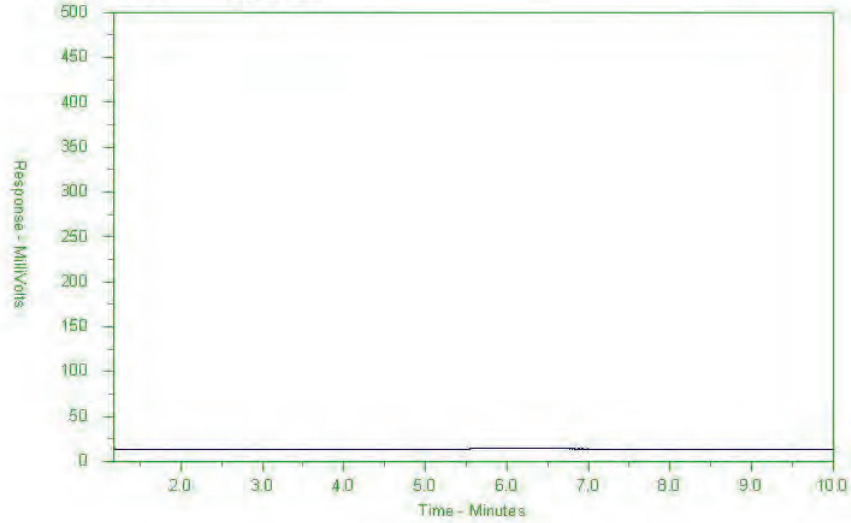
Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2559788-1  
Client Sample ID: DU- BH20-4



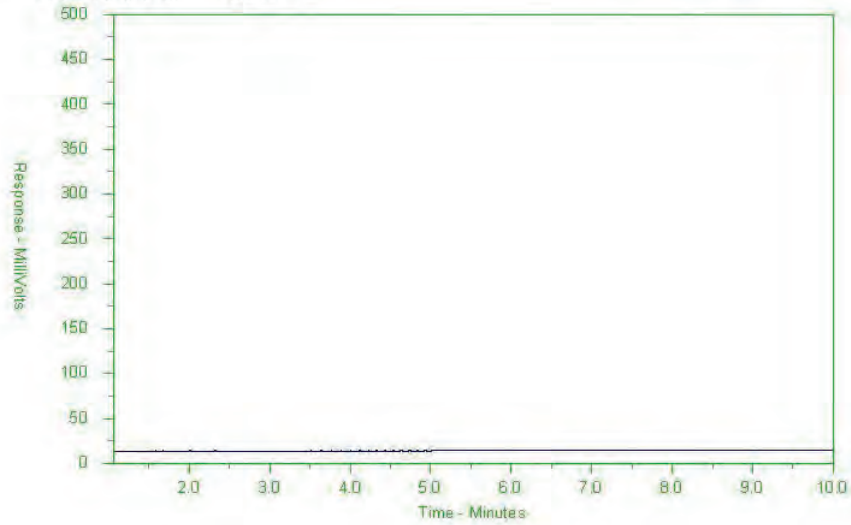
← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34		nC50	
174°C	287°C	481°C		575°C	
346°F	549°F	898°F		1067°F	
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

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# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2559766-2  
Client Sample ID: DUP-1



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34		nC50	
174°C	287°C	481°C		575°C	
346°F	549°F	898°F		1067°F	
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

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Chain of Custody

Ce



L2559706-COCFC

COC Number 20-891041

Page 1 of 1

<b>Report To</b> Company: <u>WSP</u> Contact: <u>Allison Reed</u> Phone: _____ Email: _____ Street: <u>100 Commerce Valley Dr</u> City/Province: <u>Thousand Oaks, CA</u> Postal Code: _____ Invoice To: Same as Report To <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Copy of Invoice with Report <input type="checkbox"/> YES <input type="checkbox"/> NO Completion: _____ Contact: _____		<b>Report / Recipients</b> Report Format: <input checked="" type="checkbox"/> PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> HTML (Email) Merge COC/COB Reports with COA <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A Send Distribution: <input checked="" type="checkbox"/> Email <input type="checkbox"/> FAX <input type="checkbox"/> N/A Email 1 or Fax: <u>allison.reed@wsp.com</u> Email 2: _____ Email 3: _____ Invoice Recipients: <input checked="" type="checkbox"/> Email <input type="checkbox"/> FAX <input type="checkbox"/> N/A Email 1 or Fax: _____ Email 2: _____ Email 3: _____		<b>Report Time (AT) Requested</b> <input type="checkbox"/> Today (AT) <input type="checkbox"/> Tomorrow (AT) <input type="checkbox"/> 2-3 days (AT) <input type="checkbox"/> 4-5 days (AT) <input type="checkbox"/> 6-7 days (AT) <input type="checkbox"/> 8-10 days (AT) <input type="checkbox"/> 11-14 days (AT) <input type="checkbox"/> 15-18 days (AT) <input type="checkbox"/> 19-22 days (AT) <input type="checkbox"/> 23-26 days (AT) <input type="checkbox"/> 27-30 days (AT) <input type="checkbox"/> 31-34 days (AT) <input type="checkbox"/> 35-38 days (AT) <input type="checkbox"/> 39-42 days (AT) <input type="checkbox"/> 43-46 days (AT) <input type="checkbox"/> 47-50 days (AT) <input type="checkbox"/> 51-54 days (AT) <input type="checkbox"/> 55-58 days (AT) <input type="checkbox"/> 59-62 days (AT) <input type="checkbox"/> 63-66 days (AT) <input type="checkbox"/> 67-70 days (AT) <input type="checkbox"/> 71-74 days (AT) <input type="checkbox"/> 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THORNHILL ON L3T0A1

Date Received: 22-FEB-21  
Report Date: 24-FEB-21 15:26 (MT)  
Version: FINAL

Client Phone: 905-882-4211

## Certificate of Analysis

Lab Work Order #: L2559686  
Project P.O. #: 17M-01905-81  
Job Reference: TMH-DUM AVE  
C of C Numbers: 17-626072, 17-872459, 17-872460  
Legal Site Desc:

Emily Hansen  
Account Manager

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## Summary of Guideline Exceedances

Guideline	ALS ID	Client ID	Grouping	Analyte	Result	Guideline Limit	Unit
Ontario Regulation 153/04 - April 15, 2011 Standards - T3-Soil-Res/Park/Inst. Property Use (Coarse)							
L2559886-1	DU-BH20-1 SS1		Physical Tests	Conductivity	1.11	0.7	mS/cm
			Polycyclic Aromatic Hydrocarbons	Benzo(a)anthracene	0.592	0.5	ug/g
				Benzo(a)pyrene	0.466	0.3	ug/g
				Fluoranthene	1.42	0.69	ug/g
L2559886-4	DU-BH20-2 SS1		Physical Tests	Conductivity	1.43	0.7	mS/cm
			Saturated Paste Extractables	SAR	6.38	5	SAR
			Polycyclic Aromatic Hydrocarbons	Benzo(a)pyrene	0.340	0.3	ug/g
				Fluoranthene	1.03	0.69	ug/g
L2559886-5	DU-BH20-2 SS3		Physical Tests	Conductivity	1.27	0.7	mS/cm
			Saturated Paste Extractables	SAR	7.89	5	SAR
L2559886-6	DU-BH20-3 SS1		Physical Tests	Conductivity	1.45	0.7	mS/cm
			Polycyclic Aromatic Hydrocarbons	Fluoranthene	0.816	0.69	ug/g
L2559886-7	DU-BH20-3 SS4		Physical Tests	Conductivity	0.869	0.7	mS/cm
L2559886-8	DU-BH20-4 SS1		Physical Tests	Conductivity	0.812	0.7	mS/cm
			Saturated Paste Extractables	SAR	6.04	5	SAR
L2559886-9	DU-BH20-4 SS4		Physical Tests	Conductivity	1.41	0.7	mS/cm
			Physical Tests	Conductivity	2.13	0.7	mS/cm
L2559886-10	DU-BH20-5 SS1		Saturated Paste Extractables	SAR	12.5	5	SAR
			Polycyclic Aromatic Hydrocarbons	Benzo(a)anthracene	0.632	0.5	ug/g
				Benzo(a)pyrene	0.432	0.3	ug/g
				Fluoranthene	1.44	0.69	ug/g
L2559886-11	DU-BH20-5 SS3		Saturated Paste Extractables	SAR	13.9	5	SAR
L2559886-25	DU-IP-1		Physical Tests	Conductivity	1.58	0.7	mS/cm
			Saturated Paste Extractables	SAR	9.97	5	SAR
Ontario Regulation 153/04 - April 15, 2011 Standards - T3-Soil-Res/Park/Inst. Property Use (Fine)							
L2559886-1	DU-BH20-1 SS1		Physical Tests	Conductivity	1.11	0.7	mS/cm
			Polycyclic Aromatic Hydrocarbons	Benzo(a)pyrene	0.466	0.3	ug/g
				Fluoranthene	1.42	0.69	ug/g
			Physical Tests	Conductivity	1.43	0.7	mS/cm
L2559886-4	DU-BH20-2 SS1		Saturated Paste Extractables	SAR	6.38	5	SAR
			Polycyclic Aromatic Hydrocarbons	Benzo(a)pyrene	0.340	0.3	ug/g
				Fluoranthene	1.03	0.69	ug/g
			Physical Tests	Conductivity	1.43	0.7	mS/cm

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.





# ANALYTICAL REPORT

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## Summary of Guideline Exceedances

Guideline	Client ID	Grouping	Analyte	Result	Guideline Limit	Unit
ALS ID						
Ontario Regulation 153/04 - April 15, 2011 Standards - T3-Soil-Res/Park/Inst. Property Use (Fine)						
L2559886-5	DU-BH20-3 SS3	Physical Tests	Conductivity	1.27	0.7	mS/cm
		Saturated Paste Extractables	SAR	7.69	5	SAR
L2559886-6	DU-BH20-3 SS1	Physical Tests	Conductivity	1.45	0.7	mS/cm
		Polycyclic Aromatic Hydrocarbons	Fluoranthene	0.818	0.69	ug/g
L2559886-7	DU-BH20-3 SS4	Physical Tests	Conductivity	0.869	0.7	mS/cm
L2559886-8	DU-BH20-4 SS1	Physical Tests	Conductivity	0.812	0.7	mS/cm
		Saturated Paste Extractables	SAR	8.04	5	SAR
L2559886-9	DU-BH20-4 SS4	Physical Tests	Conductivity	1.41	0.7	mS/cm
L2559886-10	DU-BH20-5 SS1	Physical Tests	Conductivity	2.13	0.7	mS/cm
		Saturated Paste Extractables	SAR	12.5	5	SAR
		Polycyclic Aromatic Hydrocarbons	Benzo(a)anthracene	0.632	0.63	ug/g
			Benzo(a)pyrene	0.433	0.3	ug/g
			Fluoranthene	1.64	0.69	ug/g
L2559886-11	DU-BH20-5 SS3	Saturated Paste Extractables	SAR	13.9	5	SAR
L2559886-12	DUP-1	Physical Tests	Conductivity	1.58	0.7	mS/cm
		Saturated Paste Extractables	SAR	9.97	5	SAR

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.



# ANALYTICAL REPORT

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## Physical Tests - SOIL

Analyte	Unit	Guide Limits		Sample Date											
		#1	#2	Sample ID											
Conductivity	ns/cm	0.7	0.7	1.11	0.543		1.45	1.21	1.45	0.958	0.912	1.41			
% Moisture	%	—	—	13.5	12.3	11.8	14.5	12.1	11.3	12.5	4.56	9.08			
pH	pH units	—	—	10.85	7.81		10.85	7.73	11.45	7.85	10.35	7.36			

Guide Limit #1: T3-Soil-Res/Park/Inst. Property Use (Coarse)

Guide Limit #2: T3-Soil-Res/Park/Inst. Property Use (Fine)

Yellow Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

Orange Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.



# ANALYTICAL REPORT

L255986-10 CONTD...  
Job Reference: TMH-DUM AVE  
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24-FEB-21 15:26 (MT)

## Physical Tests - SOIL

Analyte	Unit	Guide Limits		Lab ID									
		#1	#2	Sample Date		Sample ID		Sample Date		Sample ID		Sample Date	
				DU-BH00-5		DU-BH00-9		DU-BH00-1		DU-BH00-1		DU-BH00-2	
Conductivity	µS/cm	0.7	0.7	0.18	0.84	0.18	0.84	0.18	0.84	0.18	0.84	0.18	0.84
% Moisture	%	—	—	15.0	13.0	15.0	13.0	15.0	13.0	15.0	13.0	15.0	13.0
pH	pH units	—	—	10.72	0.94	10.72	0.94	10.72	0.94	10.72	0.94	10.72	0.94

Guide Limit #1: T3-Soil-Res/Park/Inst. Property Use (Coarse)  
Guide Limit #2: T3-Soil-Res/Park/Inst. Property Use (Fine)  
Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.  
Analytical result for this parameter exceeds Guideline Limits listed. See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.



# ANALYTICAL REPORT

L2559886 CONTD...  
Job Reference: TMH-DUM AVE  
PAGE 6 of 23  
24-FEB-21 15:26 (MT)

## Physical Tests - SOIL

Analyte	Unit	Guide Limits		Lab ID								
		#1	#2	Sample Date	Sample ID	2559886-19	2559886-20	2559886-21	2559886-22	2559886-23	2559886-24	2559886-25
Conductivity	µS/cm	0.7	0.7	20-FEB-21	DU-BH20-3	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21
% Moisture	%	—	—	20-FEB-21	DU-BH20-4	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21
pH	pH (estd)	—	—	20-FEB-21	DU-BH20-5	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21

Guide Limit #1: T3-Soil-Res/Park/Inst. Property Use (Coarse)  
Guide Limit #2: T3-Soil-Res/Park/Inst. Property Use (Fine)  
Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.  
Analytical result for this parameter exceeds Guideline Limits. See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.



# ANALYTICAL REPORT

L2559686 CONTD...  
Job Reference: TMH-DUM AVE  
PAGE 7 of 23  
24-FEB-21 15:26 (MT)

## Cyanides - SOIL

Analyte	Unit	Cyanides - SGL											
		Sample Date		Lab ID		Sample ID		Sample ID		Sample ID		Sample ID	
		Sample ID		Sample ID		Sample ID		Sample ID		Sample ID		Sample ID	
		Sample ID		Sample ID		Sample ID		Sample ID		Sample ID		Sample ID	
		Sample ID		Sample ID		Sample ID		Sample ID		Sample ID		Sample ID	
Cyanide, Weak Acid Disc	µg/g	0.051	0.051	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

Guide Limit #1: T3-Soil-Res/Park/Inst. Property Use (Coarse)

Guide Limit #2: T3-Soil-Res/Park/Inst. Property Use (Fine)

Deficient Limit for regular exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

Analytical result for this parameter exceeds Guideline Limit(s) listed. See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.





# ANALYTICAL REPORT

L2559686 CONTD...  
Job Reference: TMH-DUM AVE  
PAGE 8 of 23  
24-FEB-21 15:25 (MT)

## Cyanides - SOIL

		Lab ID		L2559686-11		L2559686-05	
		Sample Date		20-FEB-21		20-FEB-21	
		Sample ID		DU-ENC05-5		DUP-1	
				SS3			
		Guide Limits		#1		#2	
Analyte	Unit						
Cyanide, Weak Acid Disc	µg/g	0.051		0.051		40.000	

Guide Limit #1: T3-Soil-Res/Park/Inst. Property Use (Coarse)

Guide Limit #2: T3-Soil-Res/Park/Inst. Property Use (Fine)

Yellow: Exceeded Limit for regular exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

Pink: Analytical result for this parameter exceeds Guideline Limit. See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any quality control.



# ANALYTICAL REPORT

L2559686 CONTD...  
Job Reference: TMH-DUM AVE  
PAGE 9 of 23  
24-FEB-21 15:25 (MT)

## Saturated Paste Extractables - SOIL

Analyte	Unit	Guide Limits #1 #2		Lab ID		Sample Date		Sample ID		Lab ID		Sample Date		Sample ID		Lab ID		Sample Date		Sample ID										
				12559686-1	12559686-2	12559686-3	12559686-4	12559686-5	12559686-6	12559686-7	12559686-8	12559686-9	12559686-10	12559686-11	12559686-12	12559686-13	12559686-14	12559686-15	12559686-16	12559686-17	12559686-18	12559686-19	12559686-20							
				20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21					
DU-BH05-1	DU-BH05-2	DU-BH05-3	DU-BH05-4	DU-BH05-5	DU-BH05-6	DU-BH05-7	DU-BH05-8	DU-BH05-9	DU-BH05-10	DU-BH05-11	DU-BH05-12	DU-BH05-13	DU-BH05-14	DU-BH05-15	DU-BH05-16	DU-BH05-17	DU-BH05-18	DU-BH05-19	DU-BH05-20	DU-BH05-21	DU-BH05-22	DU-BH05-23	DU-BH05-24	DU-BH05-25	DU-BH05-26	DU-BH05-27	DU-BH05-28	DU-BH05-29	DU-BH05-30	
SAR	-SAP	< 5	4.35	***	2.21	6.35	***	1.89	4.51	***	4.31	6.02	***	4.14	12.5	***														
Calcium (Ca)	mg/L	—	78.6		173	73.6	35.4	85.6	35.4	27.5	88.4	35.1																		
Magnesium (Mg)	mg/L	—	<0.50		14.1	<0.50	6.25	<0.50	6.40	<0.50	15.7	<0.50																		
Sodium (Na)	mg/L	—	151		64.2	199	184	143	110	115	159	396																		

Guide Limit #1: T3-Soil-Res/Park/Inst. Property Use (Coarse)

Guide Limit #2: T3-Soil-Res/Park/Inst. Property Use (Fine)

Yellow Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

Pink Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.



# ANALYTICAL REPORT

L2559686 CONTD...  
Job Reference: TMH-DUM AVE  
PAGE 10 of 23  
24-FEB-21 15:26 (MT)

## Saturated Paste Extractables - SOIL

		Lab ID		12559686-11		12559686-05	
		Sample Date		20-FEB-21		20-FEB-21	
		Sample ID		DU-8925-5		DUP-1	
				SS3			
		Guide Limits		#1		#2	
Analyte	Unit						
SAR	-SAR	≤	5	32.8		9.97	
Calcium (Ca)	mg/L	—	—	4.47		16.1	
Magnesium (Mg)	mg/L	—	—	1.37		10.68	
Sodium (Na)	mg/L	—	—	131		251	

Guide Limit #1: T3-Soil-Res/Park/Inst. Property Use (Coarse)

Guide Limit #2: T3-Soil-Res/Park/Inst. Property Use (Fine)

Yellow Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

Pink Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.



# ANALYTICAL REPORT

L2559686 CONT'D...  
Job Reference: TMH-DUM AVE  
PAGE 11 of 23  
24-FEB-21 15:26 (MT)

## Metals - SOIL

Analyte	Unit	Guide Limits		Lab ID									
		#1	#2	Sample Date	Sample ID	SR1	SR2	SR3	SR4	SR5	SR6	SR7	SR8
Antimony (Sb)	ug/g	7.5	7.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic (As)	ug/g	18	18	3.9	3.4	3.6	4.2	3.7	3.3	1.1	2.8	3.9	3.9
Barium (Ba)	ug/g	390	390	84.6	109	79.6	126	64.3	70.7	14.0	55.4	92.2	92.2
Beryllium (Be)	ug/g	4	5	0.53	0.60	<0.50	0.84	<0.50	<0.50	<0.50	<0.50	0.59	0.59
Boron (B)	ug/g	120	120	10.2	10.3	9.8	16.7	12.9	7.7	<5.0	7.6	11.7	11.7
Bromine (Br) Hot Water Ext.	ug/g	1.5	1.5	0.90	0.17	0.97	0.12	0.66	0.16	0.21	0.19	0.92	0.92
Cadmium (Cd)	ug/g	1.2	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chromium (Cr)	ug/g	180	180	34.3	33.1	30.1	26.4	14.9	26.2	4.8	21.7	26.4	26.4
Cobalt (Co)	ug/g	22	22	8.2	11.8	9.1	12.4	4.5	9.2	1.8	9.1	8.1	8.1
Copper (Cu)	ug/g	140	140	21.9	24.4	18.0	22.7	19.4	19.3	3.6	16.9	23.4	23.4
Lead (Pb)	ug/g	120	120	41.7	<30	44.0	<30	34.0	<30	<30	<30	34.5	34.5
Mercury (Hg)	ug/g	0.27	1.8	0.114	0.0192	0.112	0.0162	0.0110	0.0147	0.0070	0.0131	0.089	0.089
Molybdenum (Mo)	ug/g	8.9	8.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Nickel (Ni)	ug/g	100	130	15.7	25.0	14.3	26.0	9.0	23.3	3.5	12.9	19.5	19.5
Selenium (Se)	ug/g	2.8	2.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Silver (Ag)	ug/g	20	25	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Thallium (Tl)	ug/g	1	1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Uranium (U)	ug/g	23	23	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium (V)	ug/g	80	80	33.2	43.7	27.9	39.5	22.4	34.3	11.6	24.5	39.3	39.3
Zinc (Zn)	ug/g	340	340	85.0	51.6	84.8	54.3	92.9	38.1	12.9	38.2	73.7	73.7

Guide Limit #1: T3-Soil-Res/Park/Inst. Property Use (Coarse)

Guide Limit #2: T3-Soil-Res/Park/Inst. Property Use (Fine)

Yellow Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

Pink Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.



# ANALYTICAL REPORT

L2559696 CONT'D...  
Job Reference: TMH-DUM AVE  
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24-FEB-21 15:26 (MT)

## Metals - SOIL

Analyte	Unit	Guide Limits		Lab ID	Sample Date	Sample ID
		#1	#2			
Arsimony (Sb)	ug/g	7.5	7.5	L2559696-11	20-FEB-21	DUM-1
Arsenic (As)	ug/g	18	18	L2559696-05	20-FEB-21	DUM-1
Barium (Ba)	ug/g	290	290	DUM-1	20-FEB-21	DUM-1
Beryllium (Be)	ug/g	4	5	DUM-1	20-FEB-21	DUM-1
Bismuth (Bi)	ug/g	120	120	DUM-1	20-FEB-21	DUM-1
Boron (B)	ug/g	1.5	1.5	DUM-1	20-FEB-21	DUM-1
Bromine (Br) Hal-Volatil Est.	ug/g	1.2	1.2	DUM-1	20-FEB-21	DUM-1
Cadmium (Cd)	ug/g	180	180	DUM-1	20-FEB-21	DUM-1
Chromium (Cr)	ug/g	22	22	DUM-1	20-FEB-21	DUM-1
Cobalt (Co)	ug/g	169	169	DUM-1	20-FEB-21	DUM-1
Copper (Cu)	ug/g	120	120	DUM-1	20-FEB-21	DUM-1
Lead (Pb)	ug/g	0.27	1.8	DUM-1	20-FEB-21	DUM-1
Mercury (Hg)	ug/g	6.3	6.3	DUM-1	20-FEB-21	DUM-1
Molybdenum (Mo)	ug/g	100	135	DUM-1	20-FEB-21	DUM-1
Nickel (Ni)	ug/g	7.4	2.4	DUM-1	20-FEB-21	DUM-1
Selenium (Se)	ug/g	20	25	DUM-1	20-FEB-21	DUM-1
Silver (Ag)	ug/g	1	3	DUM-1	20-FEB-21	DUM-1
Thallium (Tl)	ug/g	23	23	DUM-1	20-FEB-21	DUM-1
Uranium (U)	ug/g	86	86	DUM-1	20-FEB-21	DUM-1
Zinc (Zn)	ug/g	340	340	DUM-1	20-FEB-21	DUM-1

Guide Limit #1: T3-Soil-Res/Park/Inst. Property Use (Coarse)  
Guide Limit #2: T3-Soil-Res/Park/Inst. Property Use (Fine)  
Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.  
Analytical result for this parameter exceeds Guideline Limits listed. See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any qualifiers notes.





# ANALYTICAL REPORT

L2559686 CONTD...  
Job Reference: TMH-DUM AVE  
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24-FEB-21 15:26 (MT)

## Speciated Metals - SOIL

Analyte	Unit	Guide Limits											
		#1	#2	Lab ID	Sample Date	Sample ID	Lab ID	Sample Date	Sample ID	Lab ID	Sample Date	Sample ID	Lab ID
				DU-BH20-1	20-FEB-21	SR1	DU-BH20-1	20-FEB-21	SR1	DU-BH20-2	20-FEB-21	SR1	DU-BH20-3
Chromium, hexavalent	ug/g	8	10	9.42	9.32	9.44	<0.20	0.28	<0.20	<0.20	<0.20	<0.20	9.55

Guide Limit #1: T3-Soil-Res/Park/Inst. Property Use (Coarse)

Guide Limit #2: T3-Soil-Res/Park/Inst. Property Use (Fine)

Deficient Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

Analytical result for this parameter exceeds Guideline Limit(s). See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.



# ANALYTICAL REPORT

L2559686 CONTD...  
Job Reference: TMH-DUM AVE  
PAGE 14 of 23  
24-FEB-21 15:26 (MT)

## Speciated Metals - SOIL

		Lab ID		12559686-11		12559686-05	
		Sample Date		20-FEB-21		20-FEB-21	
		Sample ID		DU-8H25-5		DUP-1	
				SS3			
		Guide Limits		#1		#2	
Analyte	Unit						
Chromium, hexavalent	ug/g	8	10	0.34	0.25		

Guide Limit #1: T3-Soil-Res/Park/Inst. Property Use (Coarse)

Guide Limit #2: T3-Soil-Res/Park/Inst. Property Use (Fine)

Yellow Detection Limit but result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

Pink Analytical result for this parameter exceeds Guideline Limit(s). See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.



# ANALYTICAL REPORT

L2559686 CONT'D...  
Job Reference: TMH-DUM AVE  
PAGE 15 of 23  
24-FEB-21 15:26 (MT)

## Volatile Organic Compounds - SOIL

Analyte	Unit	Lab ID		Sample Date		Sample ID		Guide Limits		Guide Limits		Guide Limits		Guide Limits		Guide Limits		Guide Limits	
		Sample ID		Sample ID		Sample ID		Sample ID		Sample ID		Sample ID		Sample ID		Sample ID		Sample ID	
		#1	#2	#1	#2	#1	#2	#1	#2	#1	#2	#1	#2	#1	#2	#1	#2	#1	#2
Acetone	ug/g	16	28	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Benzene	ug/g	0.21	0.17	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromochloromethane	ug/g	13	13	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Bromoforn	ug/g	0.77	0.36	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Bromonethane	ug/g	0.05	0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Carbon tetrachloride	ug/g	0.03	0.12	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Chlorobenzene	ug/g	7.9	7.7	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Chloromethoxybenzene	ug/g	3.4	3.4	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Chloroform	ug/g	0.05	0.18	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,2-Dichloroethane	ug/g	0.03	0.03	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,2-Dichlorobenzene	ug/g	3.4	3.3	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,3-Dichlorobenzene	ug/g	4.8	6	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,4-Dichlorobenzene	ug/g	0.083	0.037	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Dichlorodifluoromethane	ug/g	16	25	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,1-Dichloroethane	ug/g	3.5	11	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,2-Dichloroethane	ug/g	0.03	0.03	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,1-Dichloroethene	ug/g	0.03	0.03	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
trans-1,2-Dichloroethene	ug/g	3.4	30	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Methylene Chloride	ug/g	0.004	0.75	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,2-Dichloropropane	ug/g	0.1	0.96	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
cis-1,3-Dichloropropene	ug/g	0.03	0.03	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
trans-1,3-Dichloropropene	ug/g	0.03	0.03	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,3-Dichloropropene (cis & trans)	ug/g	0.03	0.03	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	ug/g	2	15	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018
n-Heptane	ug/g	2.8	34	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Methyl Ethyl Ketone	ug/g	16	44	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone	ug/g	1.7	4.3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MTBE	ug/g	0.75	1.8	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Styrene	ug/g	0.7	2.2	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

Guide Limit #1: T3-Soil-Res/Park/Inst. Property Use (Coarse)

Guide Limit #2: T3-Soil-Res/Park/Inst. Property Use (Fine)

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.



# ANALYTICAL REPORT

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## Volatile Organic Compounds - SOIL

Analyte	Unit	Guide Limits		Lab ID	Sample Date	Sample ID	L2559686-14	L2559686-15	L2559686-19	L2559686-21	L2559686-24	L2559686-26	L2559686-27
		#1	#2				20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21	20-FEB-21
							DJ-BH-20-1	DJ-BH-20-2	DJ-BH-20-3	DJ-BH-20-4	DJ-BH-20-5	DJ-BH-2	DJ-BH-3
1,1,1,2-Tetrachloroethane	ug/g	0.056	0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Trichloroethylene	ug/g	0.29	2.3	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	ug/g	2.3	6	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,1,1-Trichloroethane	ug/g	0.035	0.4	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,1,2-Trichloroethane	ug/g	0.05	0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Trichloroethylene	ug/g	0.061	0.52	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Trichlorofluoromethane	ug/g	4	5.8	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Vinyl chloride	ug/g	0.02	0.022	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
o-Xylene	ug/g	-	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
m,p-Xylenes	ug/g	-	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Xylenes (Total)	ug/g	3.1	35	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Sumipgate 4-Bromobenzene	%	-	-	92.5	93.1	93.4	91.0	93.0	93.7	93.7	93.7	93.7	93.7
Sumipgate 1,4-Dichlorobenzene	%	-	-	107.7	107.5	107.1	104.8	107.7	107.5	107.5	107.5	107.5	107.5

Guide Limit #1: T3-Soil-Res/Park/Inst. Property Use (Coarse)

Guide Limit #2: T3-Soil-Res/Park/Inst. Property Use (Fine)

Yellow Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.  
Pink Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any qualifiers notes.



# ANALYTICAL REPORT

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## Hydrocarbons - SOIL

Analyte	Unit	Guide Limits		Lab ID									
		#1	#2	Sample Date	Sample ID	25-FEB-21	26-FEB-21	26-FEB-21	26-FEB-21	26-FEB-21	26-FEB-21	26-FEB-21	26-FEB-21
F1 (C6-C10)	ug/g	50	80	DU-BH-20-1	SSB	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
F1-BTEX	ug/g	50	80	DU-BH-20-1	SSB	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
F2 (C10-C16)	ug/g	100	150	DU-BH-20-1	SSB	<10	<10	<10	<10	<10	<10	<10	<10
F3 (C18-C24)	ug/g	300	1000	DU-BH-20-1	SSB	<50	<50	<50	<50	<50	<50	<50	<50
F4 (C26-C40)	ug/g	2000	5000	DU-BH-20-1	SSB	<500	<500	<500	<500	<500	<500	<500	<500
Total Hydrocarbons (C15-C40)	ug/g	—	—	DU-BH-20-1	SSB	<72	<72	<72	<72	<72	<72	<72	<72
Chrom. to baseline at 10.00	—	—	—	DU-BH-20-1	SSB	YES	YES	YES	YES	YES	YES	YES	YES
Sumgate 3,4-Dichlorobenzene	%	—	—	DU-BH-20-1	SSB	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
Sumgate 3,4-Dichlorobenzene	%	—	—	DU-BH-20-1	SSB	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0

Guide Limit #1: 13-Soil-Res/Park/Inst. Property Use (Coarse)  
Guide Limit #2: 13-Soil-Res/Park/Inst. Property Use (Fine)  
Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.  
Analytical result for this parameter exceeds Guideline Limits listed. See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any qualifiers notes.





# ANALYTICAL REPORT

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## Hydrocarbons - SOIL

Analyte	Unit	Guide Limits		Lab ID	
		#1	#2	Sample Date	Sample ID
F1 (C6-C10)	ug/g	56	65	20-FEB-21	DUP-2
F1-BTEX	ug/g	56	65	DUP-2	DUP-2
F2 (C10-C16)	ug/g	108	150		
F3 (C16-C24)	ug/g	300	1800		
F4 (C24-C40)	ug/g	2800	5500		
Total Hydrocarbons (C6-C40)	ug/g	-	-		
Chrom. to baseline at nC40	-	-	-		
Sumgate 2,4-Dinitrofluorobenzene	%	-	-		
Sumgate 2,4-Dichlorobenzene	%	-	-		

Guide Limit #1: T3-Soil-Res/Park/Inst. Property Use (Coarse)

Guide Limit #2: T3-Soil-Res/Park/Inst. Property Use (Fine)

Yellow Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.  
Grey Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.

# ANALYTICAL REPORT

## Polycyclic Aromatic Hydrocarbons - SOIL

Analyte	Unit	Guide Limits		L2559586-1 20-FEB-21 DU-BH-20-1 SS1	L2559586-2 20-FEB-21 DU-BH-20-1 SS4	L2559586-4 20-FEB-21 DU-BH-20-2 SS1	L2559586-5 20-FEB-21 DU-BH-20-2 SS3	L2559586-6 20-FEB-21 DU-BH-20-3 SS1	L2559586-8 20-FEB-21 DU-BH-20-4 SS1	L2559586-10 20-FEB-21 DU-BH-20-5 SS1	L2559586-11 20-FEB-21 DU-BH-20-5 SS3	L2559586-25 20-FEB-21 DUP-1
		#1	#2									
Acenaphthene	ug/g	7.9	58	0.072	<0.050	0.092	<0.050	0.054	<0.050	0.071	<0.050	<0.050
Acenaphthylene	ug/g	0.15	6.17	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Anthracene	ug/g	0.67	6.14	0.165	<0.050	0.116	<0.050	0.091	<0.050	0.201	<0.050	<0.050
Benzo[a]anthracene	ug/g	0.5	0.63	0.594	<0.050	0.496	<0.050	0.347	<0.050	0.692	<0.050	0.050
Benzo[a]pyrene	ug/g	0.8	0.3	0.565	<0.050	0.305	<0.050	0.343	<0.050	0.422	<0.050	0.062
Benzo[b]fluoranthene	ug/g	0.78	0.78	0.891	<0.050	0.809	<0.050	0.877	<0.050	0.641	<0.050	0.090
Benzo[g,h,i]perylene	ug/g	6.6	7.6	0.356	<0.050	0.242	<0.050	0.170	<0.050	0.276	<0.050	<0.050
Benzo[k]fluoranthene	ug/g	0.78	0.78	0.323	<0.050	0.154	<0.050	0.126	<0.050	0.221	<0.050	<0.050
Chrysene	ug/g	/	7.8	0.543	<0.050	0.454	<0.050	0.215	<0.050	0.568	<0.050	0.076
Dibenz[a,h]anthracene	ug/g	0.1	0.1	0.041	<0.050	0.060	<0.050	<0.050	<0.050	0.093	<0.050	<0.050
Fluoranthene	ug/g	0.65	0.69	1.42	<0.050	1.06	<0.050	0.916	<0.050	1.44	<0.050	0.167
Fluorene	ug/g	62	69	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.061	<0.050	<0.050
Indeno[1,2,3-cd]pyrene	ug/g	0.39	0.49	0.366	<0.050	0.221	<0.050	0.153	<0.050	0.286	<0.050	<0.050
1-Methylanthracene	ug/g	0.39	3.3	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042
1-Methylnaphthalene	ug/g	0.39	3.4	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
2-Methylnaphthalene	ug/g	0.39	3.4	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Naphthalene	ug/g	0.6	6.18	0.019	<0.013	0.015	<0.013	0.004	<0.013	<0.013	<0.013	<0.013
Phenanthrene	ug/g	0.2	7.8	0.699	<0.048	0.425	<0.048	0.382	<0.048	0.662	<0.048	0.078
Pyrene	ug/g	70	70	1.10	<0.050	0.848	<0.050	0.698	<0.050	1.08	<0.050	0.137
Sum of 17 Fluorophenyls	%			97.8	96.7	97.8	97.8	97.1	96.4	94.8	97.5	94.9
Sum of 17 Fluorophenyls	%			100.2	101.6	101.7	99.8	99.0	99.4	99.4	98.1	99.3

Guide Limit #1: 13-Soil-Res/Park/Inst. Property Use (Coarse)

Guide Limit #2: 13-Soil-Res/Park/Inst. Property Use (Fine)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

Analytical result for this parameter exceeds Guideline Limits listed. See Summary of Guideline Exceedances.

\* Please refer to the Reference Information section for an explanation of any qualifiers noted.

## Reference Information

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## Qualifiers for Individual Parameters Listed:

Qualifier	Description
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SAR.M	Reported SAR represents a maximum value. Actual SAR may be lower if both Ca and Mg were detectable.
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## Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference**
B-HWS-R511-WT	Soil	Boron-HWE-O.Reg 153/04 (July 2011)	HW EXTR. EPA 6010B

A dried solid sample is extracted with calcium chloride, the sample undergoes a heating process. After cooling the sample is filtered and analyzed by IC/OES.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

CN-WAD-R511-WT	Soil	Cyanide (WAD)-O.Reg 153/04 (July 2011)	MOE 3015/APHA 4500CN I-WAD
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The sample is extracted with a strong base for 16 hours, and then filtered. The filtrate is then distilled where the cyanide is converted to cyanogen chloride by reacting with chloramine-T, the cyanogen chloride then reacts with a combination of barbituric acid and isonicotinic acid to form a highly colored complex.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

CR-CR6-IC-WT	Soil	Hexavalent Chromium in Soil	SW846 3060A/7199
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This analysis is carried out using procedures adopted from "Test Methods for Evaluating Solid Waste" SW-846, Method 7199, published by the United States Environmental Protection Agency (EPA). The procedure involves analysis for chromium (VI) by ion chromatography using diphenylcarbazide in a sulphuric acid solution.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

EC-WT	Soil	Conductivity (EC)	MOEE E3138
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A representative subsample is tumbled with de-ionized (DI) water. The ratio of water to soil is 2:1 v/w. After tumbling the sample is then analyzed by a conductivity meter.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

F1-F4-511-CALC-WT	Soil	F1-F4 Hydrocarbon Calculated Parameters	CCME CWS-PHC, Pub #1310, Dec 2001-S
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Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

Hydrocarbon results are expressed on a dry weight basis.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C8 to C20 hydrocarbons.  
In samples where BTEX and F1 were analyzed, F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benz[a]anthracene, Benz[a]pyrene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Dibenzo[a,h]anthracene, Fluoranthene, Indeno[1,2,3-cd]pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:

1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

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## Methods Listed (if applicable):

ALS Test Code	Metric	Test Description	Method Reference**
<p>Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:</p> <ol style="list-style-type: none"> <li>1. All extraction and analysis holding times were met.</li> <li>2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.</li> <li>3. Instrument performance showing the C50 response factor within 20% of the average of the C10, C16 and C34 response factors.</li> <li>4. Linearity of diesel or motor oil response within 15% throughout the calibration range.</li> </ol> <p><b>F1-HS-511-WT</b> Soil F1-O Reg 153/04 (July 2011) E3398/CCME TIER 1-HS</p> <p>Fraction F1 is determined by extracting a soil or sediment sample as received with methanol, then analyzing by headspace-GC/FID.</p> <p>Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).</p> <p><b>F2-F4-511-WT</b> Soil F2-F4-O Reg 153/04 (July 2011) CCME Tier 1</p> <p>Petroleum Hydrocarbons (F2-F4 fractions) are extracted from soil with 1:1 hexane:acetone using a rotary extractor. Extracts are treated with silica gel to remove polar organic interferences. F2, F3, &amp; F4 are analyzed by GC-FID. F4G-sg is analyzed gravimetrically.</p> <p>Notes:</p> <ol style="list-style-type: none"> <li>1. F2 (C10-C18): Sum of all hydrocarbons that elute between nC10 and nC18.</li> <li>2. F3 (C16-C34): Sum of all hydrocarbons that elute between nC16 and nC34.</li> <li>3. F4 (C34-C50): Sum of all hydrocarbons that elute between nC34 and nC50.</li> <li>4. F4G: Gravimetric Heavy Hydrocarbons</li> <li>5. F4G-sg: Gravimetric Heavy Hydrocarbons (F4G) after silica gel treatment</li> <li>6. Where both F4 (C34-C50) and F4G-sg are reported for a sample, the larger of the two values is used for comparison against the relevant CCME guideline for F4.</li> <li>7. F4G-sg cannot be added to the C6 to C50 hydrocarbon results to obtain an estimate of total extractable hydrocarbons.</li> <li>8. This method is validated for use</li> <li>9. Data from analysis of validation and quality control samples is available upon request.</li> <li>10. Reported results are expressed as milligrams per dry kilogram, unless otherwise indicated.</li> </ol> <p>Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).</p> <p><b>HG-200.2-CVAA-WT</b> Soil Mercury in Soil by CVAA8 EPA 200.2/1631E (mod)</p> <p>Soil samples are digested with nitric and hydrochloric acids, followed by analysis by CVAA8.</p> <p>Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).</p> <p><b>MET-200.2-CCMS-WT</b> Soil Metals in Soil by CRC ICPMS EPA 200.2/6020B (mod)</p> <p>Soil/sediment is dried, disaggregated, and sieved (2 mm). For tests intended to support Ontario regulations, the &lt;2mm fraction is ground to pass through a 0.355 mm sieve. Strong Acid Leachable Metals in the &lt;2mm fraction are solubilized by heated digestion with nitric and hydrochloric acids. Instrumental analysis is by Collision / Reaction Cell ICPMS.</p> <p>Limitations: This method is intended to liberate environmentally available metals. Silicate minerals are not solubilized. Some metals may be only partially recovered (matrix dependent), including Al, Ba, Be, Cr, S, Sr, Ti, Tl, V, W, and Zr. Elemental Sulfur may be poorly recovered by this method. Volatile forms of sulfur (e.g. sulfide, H<sub>2</sub>S) may be excluded if lost during sampling, storage, or digestion.</p> <p>Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).</p> <p><b>METHYLNAPS-CALC-WT</b> Soil ABN-Calculated Parameters SW846 8270</p> <p><b>MOISTURE-WT</b> Soil % Moisture CCME PHC in Soil - Tier 1 (mod)</p>			

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## Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference**
<b>PAH-511-WT</b>	Soil	PAH-O Reg 153/04 (July 2011)	SW846 3510/8270
A representative sub-sample of soil is fortified with deuterium-labelled surrogates and a mechanical shaking technique is used to extract the sample with a mixture of methanol and toluene. The extracts are concentrated and analyzed by GC/MS. Results for benzo(b) fluoranthene may include contributions from benzo(j)fluoranthene, if also present in the sample.			
Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).			
<b>PH-WT</b>	Soil	pH	MOEE E3137A
A minimum 10g portion of the sample is extracted with 20mL of 0.01M calcium chloride solution by shaking for at least 30 minutes. The aqueous layer is separated from the soil and then analyzed using a pH meter and electrode.			
Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).			
<b>SAR-R511-WT</b>	Soil	SAR-O Reg 153/04 (July 2011)	SW846 6010C
A dried, disaggregated solid sample is extracted with deionized water; the aqueous extract is separated from the solid, acidified and then analyzed using a ICP/OES. The concentrations of Na, Ca and Mg are reported as per CALA requirements for calculated parameters. These individual parameters are not for comparison to any guideline.			
Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).			
<b>VOC-1,3-DCP-CALC-WT</b>	Soil	Regulation 153 VOCs	SW8260B/SW8270C
<b>VOC-511-HS-WT</b>	Soil	VOC-O Reg 153/04 (July 2011)	SW846 8260 (511)
Soil and sediment samples are extracted in methanol and analyzed by headspace-GC/MS.			
Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).			
<b>XYLENES-SUM-CALC-WT</b>	Soil	Sum of Xylene Isomer Concentrations	CALCULATION
Total xylenes represents the sum of o-xylene and m&p-xylene.			

\*\*ALS test methods may incorporate modifications from specified reference methods to improve performance.

## Chain of Custody Numbers:

17-626072 17-872459 17-872460

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code Laboratory Location

WT ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA



## Reference Information

L2559686 CONTD....  
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### GLOSSARY OF REPORT TERMS

*Surrogates* are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed here.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg wet - milligrams per kilogram based on wet weight of sample

mg/kg lw - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume, parts per million

< - Less than

D.L. - The reporting limit

N/A - Result not available. Refer to qualifier code and definition for explanation

*Test results reported relate only to the samples as received by the laboratory.*

*UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION*

*Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.*

*Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guideline limits are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.*



## Quality Control Report

Workorder: L2559686

Report Date: 24-FEB-21

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Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1

Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>B-HWS-R511-WT</b> Soil								
Batch	R5386517							
WG3491480-4	DUP	L2559686-2						
Boron (B), Hot Water Ext.		0.17	0.15		ug/g	8.5	30	23-FEB-21
WG3491480-2	IRM	WT SAR4						
Boron (B), Hot Water Ext.			110.4		%		70-130	23-FEB-21
WG3491480-3	LCS							
Boron (B), Hot Water Ext.			105.0		%		70-130	23-FEB-21
WG3491480-1	MB							
Boron (B), Hot Water Ext.			<0.10		ug/g		0.1	23-FEB-21
<b>CN-WAD-R511-WT</b> Soil								
Batch	R5386416							
WG3491398-3	DUP	L2559774-2						
Cyanide, Weak Acid Diss		<0.050	<0.050	RPD-NA	ug/g	N/A	35	23-FEB-21
WG3491398-2	LCS							
Cyanide, Weak Acid Diss			98.7		%		80-120	23-FEB-21
WG3491398-1	MB							
Cyanide, Weak Acid Diss			<0.050		ug/g		0.05	23-FEB-21
WG3491398-4	MS	L2559774-2						
Cyanide, Weak Acid Diss			104.7		%		70-130	23-FEB-21
<b>CR-CR61C-WT</b> Soil								
Batch	R5386801							
WG3491393-4	CRM	WT-SQC012						
Chromium, Hexavalent			90.7		%		70-130	23-FEB-21
WG3491393-3	DUP	L2559774-2						
Chromium, Hexavalent		0.35	0.52	J	ug/g	0.17	0.3	23-FEB-21
WG3491393-2	LCS							
Chromium, Hexavalent			97.7		%		80-120	23-FEB-21
WG3491393-1	MB							
Chromium, Hexavalent			<0.20		ug/g		0.2	23-FEB-21
<b>EC-WT</b> Soil								
Batch	R5386737							
WG3491484-4	DUP	WG3491484-3						
Conductivity		0.543	0.547		mS/cm	0.7	20	23-FEB-21
WG3491484-2	IRM	WT SAR4						
Conductivity			107.1		%		70-130	23-FEB-21
WG3491965-1	LCS							
Conductivity			100.8		%		90-110	23-FEB-21
WG3491484-1	MB							



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Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1

Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
EC-WT	Soil							
Batch R5386737								
WG3491484-1 MB								
Conductivity			<0.0040		mS/cm		0.004	23-FEB-21
F1-HS-511-WT	Soil							
Batch R6385405								
WG3491292-2 LCS								
F1 (C6-C10)			95.9		%		80-120	23-FEB-21
WG3491292-1 MB								
F1 (C8-C10)			<5.0		ug/g		5	23-FEB-21
Surrogate: 3,4-Dichlorotoluene			105.4		%		80-140	23-FEB-21
WG3491292-5 MS		L2559681-3						
F1 (C8-C10)			71.1		%		60-140	23-FEB-21
Batch R6385697								
WG3491276-4 DUP		WG3491276-3						
F1 (C6-C10)		<5.0	<5.0	RPD-NA	ug/g	N/A	30	23-FEB-21
WG3491276-2 LCS								
F1 (C6-C10)			101.0		%		80-120	23-FEB-21
WG3491276-1 MB								
F1 (C8-C10)			<5.0		ug/g		5	23-FEB-21
Surrogate: 3,4-Dichlorotoluene			98.1		%		80-140	23-FEB-21
WG3491276-6 MS		WG3491276-7						
F1 (C6-C10)			102.0		%		80-140	23-FEB-21
F2-F4-511-WT	Soil							
Batch R6385278								
WG3490913-3 DUP		WG3490913-5						
F2 (C10-C16)		<10	<10	RPD-NA	ug/g	N/A	30	22-FEB-21
F3 (C16-C34)		<50	<50	RPD-NA	ug/g	N/A	30	22-FEB-21
F4 (C34-C50)		<50	<50	RPD-NA	ug/g	N/A	30	22-FEB-21
WG3490913-2 LCS								
F2 (C10-C16)			95.9		%		80-120	22-FEB-21
F3 (C16-C34)			98.8		%		80-120	22-FEB-21
F4 (C34-C50)			98.8		%		80-120	22-FEB-21
WG3490913-1 MB								
F2 (C10-C16)			<10		ug/g		10	22-FEB-21
F3 (C16-C34)			<50		ug/g		50	22-FEB-21
F4 (C34-C50)			<50		ug/g		50	22-FEB-21
Surrogate: 2-Bromobenzotrifluoride			90.5		%		80-140	22-FEB-21



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Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1

Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>F2-F4-511-WT</b>								
Batch	R5385278							
WG3490913-4	MS	WG3490913-5						
F2 (C10-C16)			94.8		%		80-140	22-FEB-21
F3 (C16-C34)			98.8		%		80-140	22-FEB-21
F4 (C34-C50)			99.6		%		80-140	22-FEB-21
<b>HG-200.2-CVAA-WT</b>								
Batch	R6386611							
WG3491475-2	CRM	WT-SS-2						
Mercury (Hg)			105.8		%		70-130	23-FEB-21
WG3491475-6	DUP	WG3491475-5						
Mercury (Hg)		0.0138	0.0130		µg/g	5.7	40	23-FEB-21
WG3491475-3	LCS							
Mercury (Hg)			107.5		%		80-120	23-FEB-21
WG3491475-1	MB							
Mercury (Hg)			<0.0050		mg/kg		0.005	23-FEB-21
<b>MET-200.2-GCMS-WT</b>								
Batch	R6386477							
WG3491475-2	CRM	WT-SS-2						
Antimony (Sb)			109.1		%		70-130	23-FEB-21
Arsenic (As)			101.1		%		70-130	23-FEB-21
Barium (Ba)			108.4		%		70-130	23-FEB-21
Beryllium (Be)			116.8		%		70-130	23-FEB-21
Boron (B)			10.4		mg/kg		3.5-13.5	23-FEB-21
Cadmium (Cd)			116.7		%		70-130	23-FEB-21
Chromium (Cr)			115.0		%		70-130	23-FEB-21
Cobalt (Co)			107.5		%		70-130	23-FEB-21
Copper (Cu)			107.8		%		70-130	23-FEB-21
Lead (Pb)			108.1		%		70-130	23-FEB-21
Molybdenum (Mo)			109.8		%		70-130	23-FEB-21
Nickel (Ni)			107.2		%		70-130	23-FEB-21
Selenium (Se)			0.17		mg/kg		0-0.34	23-FEB-21
Silver (Ag)			89.4		%		70-130	23-FEB-21
Thallium (Tl)			0.088		mg/kg		0.028-0.129	23-FEB-21
Uranium (U)			116.2		%		70-130	23-FEB-21
Vanadium (V)			112.8		%		70-130	23-FEB-21
Zinc (Zn)			100.7		%		70-130	23-FEB-21
WG3491475-6	DUP	WG3491475-5						



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Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1

Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-200.2-CCMS-WT Soil</b>								
<b>Batch R5386477</b>								
<b>WG3491476-6 DUP</b>		<b>WG3491476-5</b>						
Antimony (Sb)		0.22	0.20		ug/g	7.7	30	23-FEB-21
Arsenic (As)		5.55	5.68		ug/g	14	30	23-FEB-21
Barium (Ba)		178	160		ug/g	11	40	23-FEB-21
Beryllium (Be)		0.59	0.52		ug/g	13	30	23-FEB-21
Boron (B)		13.0	11.4		ug/g	13	30	23-FEB-21
Cadmium (Cd)		0.077	0.073		ug/g	5.7	30	23-FEB-21
Chromium (Cr)		27.5	25.0		ug/g	9.5	30	23-FEB-21
Cobalt (Co)		13.3	12.1		ug/g	9.5	30	23-FEB-21
Copper (Cu)		88.1	81.0		ug/g	8.4	30	23-FEB-21
Lead (Pb)		<30	<30	RPD-NA	ug/g	N/A	40	23-FEB-21
Molybdenum (Mo)		0.86	0.92		ug/g	6.3	40	23-FEB-21
Nickel (Ni)		27.3	24.7		ug/g	10	30	23-FEB-21
Selenium (Se)		<0.20	<0.20	RPD-NA	ug/g	N/A	30	23-FEB-21
Silver (Ag)		<0.10	<0.10	RPD-NA	ug/g	N/A	40	23-FEB-21
Thallium (Tl)		0.130	0.097		ug/g	29	30	23-FEB-21
Uranium (U)		0.624	0.560		ug/g	11	30	23-FEB-21
Vanadium (V)		42.8	37.5		ug/g	13	30	23-FEB-21
Zinc (Zn)		64.0	55.3		ug/g	15	30	23-FEB-21
<b>WG3491476-4 LCS</b>								
Antimony (Sb)			115.1		%		80-120	23-FEB-21
Arsenic (As)			118.7		%		80-120	23-FEB-21
Barium (Ba)			112.4		%		80-120	23-FEB-21
Beryllium (Be)			101.2		%		80-120	23-FEB-21
Boron (B)			101.7		%		80-120	23-FEB-21
Cadmium (Cd)			108.8		%		80-120	23-FEB-21
Chromium (Cr)			116.0		%		80-120	23-FEB-21
Cobalt (Co)			114.6		%		80-120	23-FEB-21
Copper (Cu)			114.0		%		80-120	23-FEB-21
Lead (Pb)			107.4		%		80-120	23-FEB-21
Molybdenum (Mo)			112.0		%		80-120	23-FEB-21
Nickel (Ni)			113.5		%		80-120	23-FEB-21
Selenium (Se)			114.2		%		80-120	23-FEB-21
Silver (Ag)			110.5		%		80-120	23-FEB-21





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Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1

Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-200.2-CCMS-WT</b>								
<b>Batch R5386477</b>								
<b>WG3491476-4 LCS</b>								
Thallium (Tl)	Soil		109.0		%		80-120	23-FEB-21
Uranium (U)			112.8		%		80-120	23-FEB-21
Vanadium (V)			117.6		%		80-120	23-FEB-21
Zinc (Zn)			110.4		%		80-120	23-FEB-21
<b>WG3491475-1 MB</b>								
Antimony (Sb)			<0.10		mg/kg		0.1	23-FEB-21
Arsenic (As)			<0.10		mg/kg		0.1	23-FEB-21
Barium (Ba)			<0.50		mg/kg		0.5	23-FEB-21
Beryllium (Be)			<0.10		mg/kg		0.1	23-FEB-21
Boron (B)			<5.0		mg/kg		5	23-FEB-21
Cadmium (Cd)			<0.020		mg/kg		0.02	23-FEB-21
Chromium (Cr)			<0.50		mg/kg		0.5	23-FEB-21
Cobalt (Co)			<0.10		mg/kg		0.1	23-FEB-21
Copper (Cu)			<0.50		mg/kg		0.5	23-FEB-21
Lead (Pb)			<30		mg/kg		0.5	23-FEB-21
Molybdenum (Mo)			<0.10		mg/kg		0.1	23-FEB-21
Nickel (Ni)			<0.50		mg/kg		0.5	23-FEB-21
Selenium (Se)			<0.20		mg/kg		0.2	23-FEB-21
Silver (Ag)			<0.10		mg/kg		0.1	23-FEB-21
Thallium (Tl)			<0.050		mg/kg		0.05	23-FEB-21
Uranium (U)			<0.050		mg/kg		0.05	23-FEB-21
Vanadium (V)			<0.20		mg/kg		0.2	23-FEB-21
Zinc (Zn)			<20		mg/kg		2	23-FEB-21
<b>MOISTURE-WT</b>								
<b>Batch R5386416</b>								
<b>WG3491409-3 DUP</b>								
% Moisture		L2659681-3	11.4		%	4.9	20	23-FEB-21
<b>WG3491409-2 LCS</b>								
% Moisture			98.5		%		90-110	23-FEB-21
<b>WG3491409-1 MB</b>								
% Moisture			<0.25		%		0.25	23-FEB-21
<b>Batch R5386416</b>								
<b>WG3491600-3 DUP</b>								
% Moisture		L2659686-8	9.01		%	0.2	20	24-FEB-21
<b>WG3491600-2 LCS</b>								



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Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1

Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MOISTURE-WT</b>								
Soil								
Batch	R5385418							
WG3491600-2	LCS							
% Moisture			100.0		%		90-110	24-FEB-21
WG3491600-1	MB							
% Moisture			<0.25		%		0.25	24-FEB-21
Batch	R5385381							
WG3491680-3	DUP	L2669399-8						
% Moisture		5.22	5.87		%	8.4	20	24-FEB-21
WG3491680-2	LCS							
% Moisture			100.4		%		90-110	24-FEB-21
WG3491680-1	MB							
% Moisture			<0.25		%		0.25	24-FEB-21
<b>PAH-511-WT</b>								
Soil								
Batch	R5385600							
WG3491395-3	DUP	WG3491395-5						
1-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	23-FEB-21
2-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	23-FEB-21
Acenaphthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Acenaphthylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Benzo(a)anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Benzo(a)pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Benzo(b)fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Benzo(g,h,i)perylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Benzo(k)fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Chrysene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Dibenz(a,h)anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Fluorene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Indeno(1,2,3-cd)pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Naphthalene		<0.013	<0.013	RPD-NA	ug/g	N/A	40	23-FEB-21
Phenanthrene		<0.048	<0.048	RPD-NA	ug/g	N/A	40	23-FEB-21
Pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
WG3491395-2	LCS							
1-Methylnaphthalene			105.6		%		50-140	23-FEB-21
2-Methylnaphthalene			101.2		%		50-140	23-FEB-21



# Quality Control Report

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Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1  
Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT	Soil							
Batch	R5385600							
WG3491336-2	LCS							
Acenaphthylene			103.2		%		50-140	23-FEB-21
Acenaphthylene			99.0		%		50-140	23-FEB-21
Anthracene			98.2		%		50-140	23-FEB-21
Benzo(a)anthracene			102.1		%		50-140	23-FEB-21
Benzo(a)pyrene			97.4		%		50-140	23-FEB-21
Benzo(b)fluoranthene			100.4		%		50-140	23-FEB-21
Benzo(g,h,i)perylene			100.0		%		50-140	23-FEB-21
Benzo(k)fluoranthene			96.7		%		50-140	23-FEB-21
Chrysene			101.2		%		50-140	23-FEB-21
Dibenzo(ah)anthracene			99.9		%		50-140	23-FEB-21
Fluoranthene			96.1		%		50-140	23-FEB-21
Fluorene			102.8		%		50-140	23-FEB-21
Indeno(1,2,3-cd)pyrene			108.8		%		50-140	23-FEB-21
Naphthalene			96.5		%		50-140	23-FEB-21
Phenanthrene			101.1		%		50-140	23-FEB-21
Pyrene			96.1		%		50-140	23-FEB-21
WG3491336-1	MB							
1-Methylnaphthalene			<0.030		ug/g		0.03	23-FEB-21
2-Methylnaphthalene			<0.030		ug/g		0.03	23-FEB-21
Acenaphthylene			<0.050		ug/g		0.05	23-FEB-21
Acenaphthylene			<0.050		ug/g		0.05	23-FEB-21
Anthracene			<0.050		ug/g		0.05	23-FEB-21
Benzo(a)anthracene			<0.050		ug/g		0.05	23-FEB-21
Benzo(a)pyrene			<0.050		ug/g		0.05	23-FEB-21
Benzo(b)fluoranthene			<0.050		ug/g		0.05	23-FEB-21
Benzo(g,h,i)perylene			<0.050		ug/g		0.05	23-FEB-21
Benzo(k)fluoranthene			<0.050		ug/g		0.05	23-FEB-21
Chrysene			<0.050		ug/g		0.05	23-FEB-21
Dibenzo(ah)anthracene			<0.050		ug/g		0.05	23-FEB-21
Fluoranthene			<0.050		ug/g		0.05	23-FEB-21
Fluorene			<0.050		ug/g		0.05	23-FEB-21
Indeno(1,2,3-cd)pyrene			<0.050		ug/g		0.05	23-FEB-21
Naphthalene			<0.013		ug/g		0.013	23-FEB-21
Phenanthrene			<0.046		ug/g		0.046	23-FEB-21



# Quality Control Report

Workorder: L2559686

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Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1  
Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT Soil								
Batch	R5386500							
WG3491335-1	MB							
Pyrene			<0.050		ug/g		0.05	23-FEB-21
Surrogate, 2-Fluorobiphenyl			95.4		%		50-140	23-FEB-21
Surrogate, p-Terphenyl d14			93.4		%		50-140	23-FEB-21
WG3491335-4	MS	WG3491335-5						
1-Methylnaphthalene			102.4		%		50-140	23-FEB-21
2-Methylnaphthalene			98.2		%		50-140	23-FEB-21
Acenaphthene			101.0		%		50-140	23-FEB-21
Acenaphthylene			96.4		%		50-140	23-FEB-21
Anthracene			96.1		%		50-140	23-FEB-21
Benzo(a)anthracene			105.4		%		50-140	23-FEB-21
Benzo(a)pyrene			97.2		%		50-140	23-FEB-21
Benzo(b)fluoranthene			99.5		%		50-140	23-FEB-21
Benzo(g,h,i)perylene			98.3		%		50-140	23-FEB-21
Benzo(k)fluoranthene			92.8		%		50-140	23-FEB-21
Chrysene			98.6		%		50-140	23-FEB-21
Dibenzo(ah)anthracene			95.7		%		50-140	23-FEB-21
Fluoranthene			106.9		%		50-140	23-FEB-21
Fluorene			100.9		%		50-140	23-FEB-21
Indeno(1,2,3-cd)pyrene			103.1		%		50-140	23-FEB-21
Naphthalene			96.1		%		50-140	23-FEB-21
Phenanthrene			122.5		%		50-140	23-FEB-21
Pyrene			103.0		%		50-140	23-FEB-21
PH-WT Soil								
Batch	R5386886							
WG3491420-1	DUP	L2559774-2						
pH		7.81	7.79	U	pH Units	0.02	0.3	23-FEB-21
WG3491594-1	LCS							
pH			7.03		pH units		6.9-7.1	23-FEB-21
SAR-R511-WT Soil								
Batch	R5386616							
WG3491484-4	DUP	WG3491484-3						
Calcium (Ca)		17.2	17.8		mg/L	3.4	30	23-FEB-21
Sodium (Na)		64.8	65.4		mg/L	0.9	30	23-FEB-21
Magnesium (Mg)		14.1	14.5		mg/L	2.8	30	23-FEB-21



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100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1

Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>SAR-R511-WT</b>								
Soil								
Batch	R5386616							
WG3491484-2	IRM	WT SAR4						
Calcium (Ca)			98.1		%		70-130	23-FEB-21
Sodium (Na)			93.3		%		70-130	23-FEB-21
Magnesium (Mg)			101.7		%		70-130	23-FEB-21
WG3491484-5	LCS							
Calcium (Ca)			107.7		%		80-120	23-FEB-21
Sodium (Na)			100.8		%		80-120	23-FEB-21
Magnesium (Mg)			102.4		%		80-120	23-FEB-21
WG3491484-1	MB							
Calcium (Ca)			<0.50		mg/L		0.5	23-FEB-21
Sodium (Na)			<0.50		mg/L		0.5	23-FEB-21
Magnesium (Mg)			<0.50		mg/L		0.5	23-FEB-21
<b>VOC-511-HS-WT</b>								
Soil								
Batch	R5386897							
WG3491276-4	DUP	WG3491276-3						
1,1,1,2-Tetrachloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
1,1,2,2-Tetrachloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
1,1,1-Trichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
1,1,2-Trichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
1,1-Dichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
1,1-Dichloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
1,2-Dibromoethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
1,2-Dichlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
1,2-Dichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
1,2-Dichloropropane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
1,3-Dichlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
1,4-Dichlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Acetone		<0.50	<0.50	RPD-NA	ug/g	N/A	40	23-FEB-21
Benzene		<0.0088	<0.0088	RPD-NA	ug/g	N/A	40	23-FEB-21
Bromodichloromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Bromoform		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Bromomethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Carbon tetrachloride		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Chlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21





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100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1  
Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511 HS-WT	Soil							
Batch	R5385897							
WG3491276-4 DUP		WG3491276-3						
Chloroform		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
cis-1,2-Dichloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
cis-1,3-Dichloropropane		<0.030	<0.030	RPD-NA	ug/g	N/A	40	23-FEB-21
Dibromochloromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Dichlorodifluoromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Ethylbenzene		<0.018	<0.018	RPD-NA	ug/g	N/A	40	23-FEB-21
n-Hexane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Methylene Chloride		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
MTBE		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
m,p-Xylenes		<0.030	<0.030	RPD-NA	ug/g	N/A	40	23-FEB-21
Methyl Ethyl Ketone		<0.50	<0.50	RPD-NA	ug/g	N/A	40	23-FEB-21
Methyl Isobutyl Ketone		<0.50	<0.50	RPD-NA	ug/g	N/A	40	23-FEB-21
o-Xylene		<0.020	<0.020	RPD-NA	ug/g	N/A	40	23-FEB-21
Styrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Tetrachloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Toluene		<0.080	<0.080	RPD-NA	ug/g	N/A	40	23-FEB-21
trans-1,2-Dichloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
trans-1,3-Dichloropropane		<0.030	<0.030	RPD-NA	ug/g	N/A	40	23-FEB-21
Trichloroethylene		<0.010	<0.010	RPD-NA	ug/g	N/A	40	23-FEB-21
Trichlorofluoromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	23-FEB-21
Vinyl chloride		<0.020	<0.020	RPD-NA	ug/g	N/A	40	23-FEB-21
WG3491276-2 LCS								
1,1,1,2-Tetrachloroethane			106.7		%		60-130	23-FEB-21
1,1,2,2-Tetrachloroethane			101.2		%		60-130	23-FEB-21
1,1,1-Trichloroethane			109.8		%		60-130	23-FEB-21
1,1,2-Trichloroethane			101.9		%		60-130	23-FEB-21
1,1-Dichloroethane			106.6		%		60-130	23-FEB-21
1,1-Dichloroethylene			111.0		%		60-130	23-FEB-21
1,2-Dibromethane			101.1		%		70-130	23-FEB-21
1,2-Dichlorobenzene			109.8		%		70-130	23-FEB-21
1,2-Dichloroethane			107.7		%		60-130	23-FEB-21
1,2-Dichloropropane			108.8		%		70-130	23-FEB-21
1,3-Dichlorobenzene			110.0		%		70-130	23-FEB-21



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100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1  
Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-S11-HS-WT	Soil							
Batch	R5385897							
WG3491276-2	LCS							
1,4-Dichlorobenzene			113.1		%		70-130	23-FEB-21
Acetone			111.3		%		80-140	23-FEB-21
Benzene			107.4		%		70-130	23-FEB-21
Bromodichloromethane			109.9		%		50-140	23-FEB-21
Bromoform			111.4		%		70-130	23-FEB-21
Bromomethane			109.3		%		50-140	23-FEB-21
Carbon tetrachloride			111.8		%		70-130	23-FEB-21
Chlorobenzene			108.8		%		70-130	23-FEB-21
Chloroform			112.3		%		70-130	23-FEB-21
cis-1,2-Dichloroethylene			101.4		%		70-130	23-FEB-21
cis-1,3-Dichloropropene			100.0		%		70-130	23-FEB-21
Dibromochloromethane			102.2		%		80-130	23-FEB-21
Dichlorodifluoromethane			94.2		%		50-140	23-FEB-21
Ethylbenzene			96.5		%		70-130	23-FEB-21
n-Hexane			105.7		%		70-130	23-FEB-21
Methylene Chloride			113.8		%		70-130	23-FEB-21
MTBE			103.1		%		70-130	23-FEB-21
m+p-Xylenes			102.0		%		70-130	23-FEB-21
Methyl Ethyl Ketone			101.1		%		80-140	23-FEB-21
Methyl Isobutyl Ketone			94.5		%		80-140	23-FEB-21
o-Xylene			104.9		%		70-130	23-FEB-21
Styrene			99.97		%		70-130	23-FEB-21
Tetrachloroethylene			104.5		%		80-130	23-FEB-21
Toluene			97.7		%		70-130	23-FEB-21
trans-1,2-Dichloroethylene			113.1		%		80-130	23-FEB-21
trans-1,3-Dichloropropene			97.2		%		70-130	23-FEB-21
Trichloroethylene			107.0		%		80-130	23-FEB-21
Trichlorofluoromethane			108.8		%		50-140	23-FEB-21
Vinyl chloride			111.1		%		80-140	23-FEB-21
WG3491276-1	MB							
1,1,1,2-Tetrachloroethane			<0.050		ug/g		0.05	23-FEB-21
1,1,2,2-Tetrachloroethane			<0.050		ug/g		0.05	23-FEB-21
1,1,1-Trichloroethane			<0.050		ug/g		0.05	23-FEB-21
1,1,2-Trichloroethane			<0.050		ug/g		0.05	23-FEB-21



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100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1

Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-S11-HS-WT	Soil							
Batch	R5385897							
WG3491276-1 MB								
1,1-Dichloroethane			<0.050		ug/g		0.05	23-FEB-21
1,1-Dichloroethylene			<0.050		ug/g		0.05	23-FEB-21
1,2-Dibromothane			<0.050		ug/g		0.05	23-FEB-21
1,2-Dichlorobenzene			<0.050		ug/g		0.05	23-FEB-21
1,2-Dichloroethane			<0.050		ug/g		0.05	23-FEB-21
1,2-Dichloropropane			<0.050		ug/g		0.05	23-FEB-21
1,3-Dichlorobenzene			<0.050		ug/g		0.05	23-FEB-21
1,4-Dichlorobenzene			<0.050		ug/g		0.05	23-FEB-21
Acetone			<0.50		ug/g		0.5	23-FEB-21
Benzene			<0.0088		ug/g		0.0088	23-FEB-21
Bromodichloromethane			<0.050		ug/g		0.05	23-FEB-21
Bromoforn			<0.050		ug/g		0.05	23-FEB-21
Bromomethane			<0.050		ug/g		0.05	23-FEB-21
Carbon tetrachloride			<0.050		ug/g		0.05	23-FEB-21
Chlorobenzene			<0.050		ug/g		0.05	23-FEB-21
Chloroform			<0.050		ug/g		0.05	23-FEB-21
cis-1,2-Dichloroethylene			<0.050		ug/g		0.05	23-FEB-21
cis-1,3-Dichloropropene			<0.030		ug/g		0.03	23-FEB-21
Dibromochloromethane			<0.050		ug/g		0.05	23-FEB-21
Dichlorodifluoromethane			<0.050		ug/g		0.05	23-FEB-21
Ethylbenzene			<0.018		ug/g		0.018	23-FEB-21
n-Hexane			<0.050		ug/g		0.05	23-FEB-21
Methylene Chloride			<0.050		ug/g		0.05	23-FEB-21
MIBK			<0.050		ug/g		0.05	23-FEB-21
m,p-Xylenes			<0.030		ug/g		0.03	23-FEB-21
Methyl Ethyl Ketone			<0.50		ug/g		0.5	23-FEB-21
Methyl isobutyl Ketone			<0.50		ug/g		0.5	23-FEB-21
o-Xylene			<0.020		ug/g		0.02	23-FEB-21
Styrene			<0.050		ug/g		0.05	23-FEB-21
Tetrachloroethylene			<0.050		ug/g		0.05	23-FEB-21
Toluene			<0.080		ug/g		0.08	23-FEB-21
trans-1,2-Dichloroethylene			<0.050		ug/g		0.05	23-FEB-21
trans-1,3-Dichloropropene			<0.030		ug/g		0.03	23-FEB-21



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100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1  
Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	Soil							
Batch: R5385897								
WG3491276-1 MB								
Trichloroethylene			<0.010		ug/g		0.01	23-FEB-21
Trichlorofluoromethane			<0.050		ug/g		0.05	23-FEB-21
Vinyl chloride			<0.020		ug/g		0.02	23-FEB-21
Surrogate: 1,4-Difluorobenzene			123.5		%		50-140	23-FEB-21
Surrogate: 4-Bromofluorobenzene			106.7		%		50-140	23-FEB-21
WG3491276-5 MS		WG3491276-3						
1,1,1,2-Tetrachloroethane			108.5		%		50-140	23-FEB-21
1,1,2,2-Tetrachloroethane			104.0		%		50-140	23-FEB-21
1,1,1-Trichloroethane			111.9		%		50-140	23-FEB-21
1,1,2-Trichloroethane			103.5		%		50-140	23-FEB-21
1,1-Dichloroethane			117.4		%		50-140	23-FEB-21
1,1-Dichloroethylene			113.2		%		50-140	23-FEB-21
1,2-Dibromoethane			102.5		%		50-140	23-FEB-21
1,2-Dichlorobenzene			110.8		%		50-140	23-FEB-21
1,2-Dichloroethane			110.0		%		50-140	23-FEB-21
1,2-Dichloropropane			110.1		%		50-140	23-FEB-21
1,3-Dichlorobenzene			110.2		%		50-140	23-FEB-21
1,4-Dichlorobenzene			113.9		%		50-140	23-FEB-21
Acetone			116.2		%		50-140	23-FEB-21
Benzene			108.7		%		50-140	23-FEB-21
Bromodichloromethane			112.1		%		50-140	23-FEB-21
Bromoforn			114.3		%		50-140	23-FEB-21
Bromomethane			98.6		%		50-140	23-FEB-21
Carbon tetrachloride			113.9		%		50-140	23-FEB-21
Chlorobenzene			107.7		%		50-140	23-FEB-21
Chloroform			114.6		%		50-140	23-FEB-21
cis-1,2-Dichloroethylene			102.6		%		50-140	23-FEB-21
cis-1,3-Dichloropropene			96.7		%		50-140	23-FEB-21
Dibromochloromethane			103.6		%		50-140	23-FEB-21
Dichlorodifluoromethane			96.5		%		50-140	23-FEB-21
Ethylbenzene			95.6		%		50-140	23-FEB-21
n-Hexane			107.3		%		50-140	23-FEB-21
Methylene Chloride			116.6		%		50-140	23-FEB-21
MTBE			104.4		%		50-140	23-FEB-21





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Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1

Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	Soil							
Batch	R5386897							
WG3491276-5 MS		WG3491276-3						
m,p-Xylenes			101.7		%		50-140	23-FEB-21
Methyl Ethyl Ketone			97.5		%		50-140	23-FEB-21
Methyl Isobutyl Ketone			95.1		%		50-140	23-FEB-21
o-Xylene			104.3		%		50-140	23-FEB-21
Styrene			98.9		%		50-140	23-FEB-21
Tetrachloroethylene			104.1		%		50-140	23-FEB-21
Toluene			97.6		%		50-140	23-FEB-21
trans-1,2-Dichloroethylene			113.8		%		50-140	23-FEB-21
trans-1,3-Dichloropropene			93.0		%		50-140	23-FEB-21
Trichloroethylene			107.2		%		50-140	23-FEB-21
Trichlorofluoromethane			111.0		%		50-140	23-FEB-21
Vinyl chloride			108.8		%		50-140	23-FEB-21
Batch	R5389601							
WG3491896-4 DUP		WG3491896-3						
1,1,1,2-Tetrachloroethane			<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
1,1,2,2-Tetrachloroethane			<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
1,1,1-Trichloroethane			<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
1,1,2-Trichloroethane			<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
1,1-Dichloroethane			<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
1,1-Dichloroethylene			<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
1,2-Dibromoethane			<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
1,2-Dichlorobenzene			<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
1,2-Dichloroethane			<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
1,2-Dichloropropane			<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
1,3-Dichlorobenzene			<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
1,4-Dichlorobenzene			<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
Acetone			<0.50	RPD-NA	ug/g	N/A	40	24-FEB-21
Benzene			<0.0068	RPD-NA	ug/g	N/A	40	24-FEB-21
Bromodichloromethane			<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
Bromotom			<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
Bromomethane			<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
Carbon tetrachloride			<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
Chlorobenzene			<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21





# Quality Control Report

Workorder: L2559686

Report Date: 24-FEB-21

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Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1

Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-S11-HS-WT	Soil							
Batch	R5388601							
WG3491896-4	DUP	WG3491896-3						
Chloroform		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
cis-1,2-Dichloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
cis-1,3-Dichloropropene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	24-FEB-21
Dibromochloromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
Dichlorodifluoromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
Ethylbenzene		<0.018	<0.018	RPD-NA	ug/g	N/A	40	24-FEB-21
n-Hexane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
Methylene Chloride		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
MTBE		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
m,p-Xylenes		<0.030	<0.030	RPD-NA	ug/g	N/A	40	24-FEB-21
Methyl Ethyl Ketone		<0.50	<0.50	RPD-NA	ug/g	N/A	40	24-FEB-21
Methyl Isobutyl Ketone		<0.50	<0.50	RPD-NA	ug/g	N/A	40	24-FEB-21
o-Xylene		<0.020	<0.020	RPD-NA	ug/g	N/A	40	24-FEB-21
Styrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
Tetrachloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
Toluene		<0.080	<0.080	RPD-NA	ug/g	N/A	40	24-FEB-21
trans-1,2-Dichloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
trans-1,3-Dichloropropene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	24-FEB-21
Trichloroethylene		<0.010	<0.010	RPD-NA	ug/g	N/A	40	24-FEB-21
Trichlorofluoromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-FEB-21
Vinyl chloride		<0.020	<0.020	RPD-NA	ug/g	N/A	40	24-FEB-21
WG3491896-2	LCS							
1,1,1,2-Tetrachloroethane			108.8		%		80-130	24-FEB-21
1,1,2,2-Tetrachloroethane			110.4		%		80-130	24-FEB-21
1,1,1-Trichloroethane			112.3		%		80-130	24-FEB-21
1,1,2-Trichloroethane			106.4		%		80-130	24-FEB-21
1,1-Dichloroethane			104.8		%		80-130	24-FEB-21
1,1-Dichloroethylene			109.6		%		80-130	24-FEB-21
1,2-Dibromomethane			103.8		%		70-130	24-FEB-21
1,2-Dichlorobenzene			107.4		%		70-130	24-FEB-21
1,2-Dichloroethane			113.2		%		80-130	24-FEB-21
1,2-Dichloropropane			113.5		%		70-130	24-FEB-21
1,3-Dichlorobenzene			100.4		%		70-130	24-FEB-21



# Quality Control Report

Workorder: L2559686

Report Date: 24-FEB-21

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Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1  
Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-S11-HS-WT	Soil							
Batch	R5388801							
WG3491896-2	LCS							
1,4-Dichlorobenzene			103.1		%		70-130	24-FEB-21
Acetone			126.8		%		80-140	24-FEB-21
Benzene			109.1		%		70-130	24-FEB-21
Bromodichloromethane			114.5		%		50-140	24-FEB-21
Bromoform			119.8		%		70-130	24-FEB-21
Bromomethane			75.9		%		50-140	24-FEB-21
Carbon tetrachloride			112.8		%		70-130	24-FEB-21
Chlorobenzene			104.1		%		70-130	24-FEB-21
Chloroform			115.4		%		70-130	24-FEB-21
cis-1,2-Dichloroethylene			99.9		%		70-130	24-FEB-21
cis-1,3-Dichloropropene			72.4		%		70-130	24-FEB-21
Dibromochloromethane			108.5		%		80-130	24-FEB-21
Dichlorodifluoromethane			85.0		%		50-140	24-FEB-21
Ethylbenzene			90.6		%		70-130	24-FEB-21
n-Hexane			104.5		%		70-130	24-FEB-21
Methylene Chloride			115.8		%		70-130	24-FEB-21
MTBE			102.7		%		70-130	24-FEB-21
m+p-Xylenes			95.4		%		70-130	24-FEB-21
Methyl Ethyl Ketone			112.2		%		80-140	24-FEB-21
Methyl Isobutyl Ketone			108.5		%		80-140	24-FEB-21
o-Xylene			99.8		%		70-130	24-FEB-21
Styrene			95.1		%		70-130	24-FEB-21
Tetrachloroethylene			95.1		%		80-130	24-FEB-21
Toluene			94.8		%		70-130	24-FEB-21
trans-1,2-Dichloroethylene			107.1		%		80-130	24-FEB-21
trans-1,3-Dichloropropene			58.9	LCS-L	%		70-130	24-FEB-21
Trichloroethylene			102.1		%		80-130	24-FEB-21
Trichlorofluoromethane			108.0		%		50-140	24-FEB-21
Vinyl chloride			101.7		%		80-140	24-FEB-21
WG3491896-1	MB							
1,1,1,2-Tetrachloroethane			<0.050		ug/g		0.05	24-FEB-21
1,1,2,2-Tetrachloroethane			<0.050		ug/g		0.05	24-FEB-21
1,1,1-Trichloroethane			<0.050		ug/g		0.05	24-FEB-21
1,1,2-Trichloroethane			<0.050		ug/g		0.05	24-FEB-21



# Quality Control Report

Workorder: L2559686

Report Date: 24-FEB-21

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Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1

Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-S11-HS-WT	Soil							
Batch	R5388601							
WG3491896-1 MB								
1,1-Dichloroethane			<0.050		ug/g		0.05	24-FEB-21
1,1-Dichloroethylene			<0.050		ug/g		0.05	24-FEB-21
1,2-Dibromothane			<0.050		ug/g		0.05	24-FEB-21
1,2-Dichlorobenzene			<0.050		ug/g		0.05	24-FEB-21
1,2-Dichloroethane			<0.050		ug/g		0.05	24-FEB-21
1,2-Dichloropropane			<0.050		ug/g		0.05	24-FEB-21
1,3-Dichlorobenzene			<0.050		ug/g		0.05	24-FEB-21
1,4-Dichlorobenzene			<0.050		ug/g		0.05	24-FEB-21
Acetone			<0.50		ug/g		0.5	24-FEB-21
Benzene			<0.0088		ug/g		0.0088	24-FEB-21
Bromodichloromethane			<0.050		ug/g		0.05	24-FEB-21
Bromoforn			<0.050		ug/g		0.05	24-FEB-21
Bromomethane			<0.050		ug/g		0.05	24-FEB-21
Carbon tetrachloride			<0.050		ug/g		0.05	24-FEB-21
Chlorobenzene			<0.050		ug/g		0.05	24-FEB-21
Chloroform			<0.050		ug/g		0.05	24-FEB-21
cis-1,2-Dichloroethylene			<0.050		ug/g		0.05	24-FEB-21
cis-1,3-Dichloropropene			<0.030		ug/g		0.03	24-FEB-21
Dibromochloromethane			<0.050		ug/g		0.05	24-FEB-21
Dichlorodifluoromethane			<0.050		ug/g		0.05	24-FEB-21
Ethylbenzene			<0.018		ug/g		0.018	24-FEB-21
n-Hexane			<0.050		ug/g		0.05	24-FEB-21
Methylene Chloride			<0.050		ug/g		0.05	24-FEB-21
MIBK			<0.050		ug/g		0.05	24-FEB-21
m,p-Xylenes			<0.030		ug/g		0.03	24-FEB-21
Methyl Ethyl Ketone			<0.50		ug/g		0.5	24-FEB-21
Methyl Isobutyl Ketone			<0.50		ug/g		0.5	24-FEB-21
o-Xylene			<0.020		ug/g		0.02	24-FEB-21
Styrene			<0.050		ug/g		0.05	24-FEB-21
Tetrachloroethylene			<0.050		ug/g		0.05	24-FEB-21
Toluene			<0.080		ug/g		0.08	24-FEB-21
trans-1,2-Dichloroethylene			<0.050		ug/g		0.05	24-FEB-21
trans-1,3-Dichloropropene			<0.030		ug/g		0.03	24-FEB-21



# Quality Control Report

Workorder: L2559686

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Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1

Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	Soil							
Batch	R5388601							
WG3491896-1 MB								
Trichloroethylene			<0.010		ug/g		0.01	24-FEB-21
Trichlorofluoromethane			<0.050		ug/g		0.05	24-FEB-21
Vinyl chloride			<0.020		ug/g		0.02	24-FEB-21
Surrogate: 1,4-Difluorobenzene			121.7		%		50-140	24-FEB-21
Surrogate: 4-Bromofluorobenzene			100.4		%		50-140	24-FEB-21
WG3491896-5 MS		WG3491896-3						
1,1,1,2-Tetrachloroethane			116.0		%		50-140	24-FEB-21
1,1,2,2-Tetrachloroethane			117.6		%		50-140	24-FEB-21
1,1,1-Trichloroethane			126.9		%		50-140	24-FEB-21
1,1,2-Trichloroethane			117.2		%		50-140	24-FEB-21
1,1-Dichloroethane			121.8		%		50-140	24-FEB-21
1,1-Dichloroethylene			125.0		%		50-140	24-FEB-21
1,2-Dibromoethane			116.4		%		50-140	24-FEB-21
1,2-Dichlorobenzene			119.7		%		50-140	24-FEB-21
1,2-Dichloroethane			123.9		%		50-140	24-FEB-21
1,2-Dichloropropane			123.8		%		50-140	24-FEB-21
1,3-Dichlorobenzene			119.4		%		50-140	24-FEB-21
1,4-Dichlorobenzene			118.1		%		50-140	24-FEB-21
Acetone			130.5		%		50-140	24-FEB-21
Benzene			119.5		%		50-140	24-FEB-21
Bromodichloromethane			129.5		%		50-140	24-FEB-21
Bromoforn			123.0		%		50-140	24-FEB-21
Bromomethane			122.5		%		50-140	24-FEB-21
Carbon tetrachloride			124.6		%		50-140	24-FEB-21
Chlorobenzene			116.2		%		50-140	24-FEB-21
Chloroform			127.1		%		50-140	24-FEB-21
cis-1,2-Dichloroethylene			132.3		%		50-140	24-FEB-21
cis-1,3-Dichloropropene			129.1		%		50-140	24-FEB-21
Dibromochloromethane			114.8		%		50-140	24-FEB-21
Dichlorodifluoromethane			118.1		%		50-140	24-FEB-21
Ethylbenzene			116.0		%		50-140	24-FEB-21
n-Hexane			120.3		%		50-140	24-FEB-21
Methylene Chloride			124.8		%		50-140	24-FEB-21
MTBE			117.2		%		50-140	24-FEB-21



# Quality Control Report

Workorder: L2559686

Report Date: 24-FEB-21

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Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL, ON L3T0A1

Contact: ALLISON READ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-S11-HS-WT	Soil							
Batch	R5388801							
WG3491896-5	MS	WG3491896-3						
m,p-xylenes			117.5		%		50-140	24-FEB-21
Methyl Ethyl Ketone			129.7		%		50-140	24-FEB-21
Methyl Isobutyl Ketone			125.8		%		50-140	24-FEB-21
o-Xylene			126.4		%		50-140	24-FEB-21
Styrene			117.9		%		50-140	24-FEB-21
Tetrachloroethylene			120.2		%		50-140	24-FEB-21
Toluene			117.9		%		50-140	24-FEB-21
trans-1,2-Dichloroethylene			124.7		%		50-140	24-FEB-21
trans-1,3-Dichloropropene			121.3		%		50-140	24-FEB-21
Trichloroethylene			130.8		%		50-140	24-FEB-21
Trichlorofluoromethane			125.5		%		50-140	24-FEB-21
Vinyl chloride			128.0		%		50-140	24-FEB-21



## Quality Control Report

Workorder: L2559686

Report Date: 24-FEB-21

Client: WSP Canada Group Limited  
100 COMMERCE VALLEY DRIVE WEST  
THORNHILL ON L3T0A1  
Contact: ALLISON READ

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### Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

### Sample Parameter Qualifier Definitions:

Qualifier	Description
J	Duplicate results and limits are expressed in terms of absolute difference.
LCS-L	Lab Control Sample recovery was below ALS DQO. Reference Material and/or Matrix Spike results were acceptable. Non-detected sample results are considered reliable. Other results, if reported, have been qualified.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

### Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

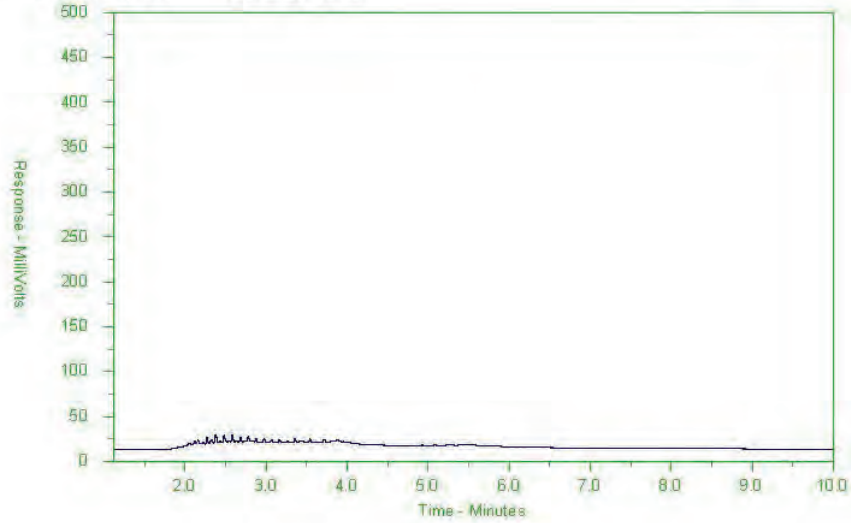
The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2559886-12  
Client Sample ID: DU-BH20-1 SS5



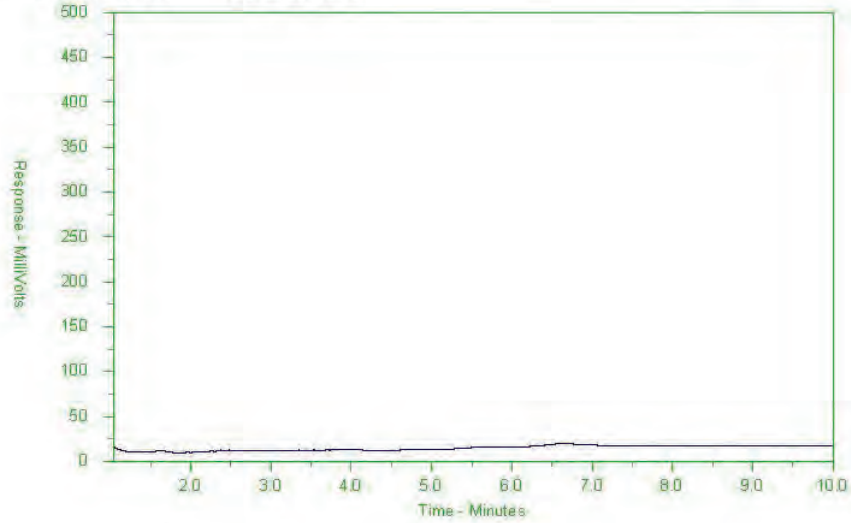
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nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

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# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2559886-13  
Client Sample ID: DU-BH20-1 SS6



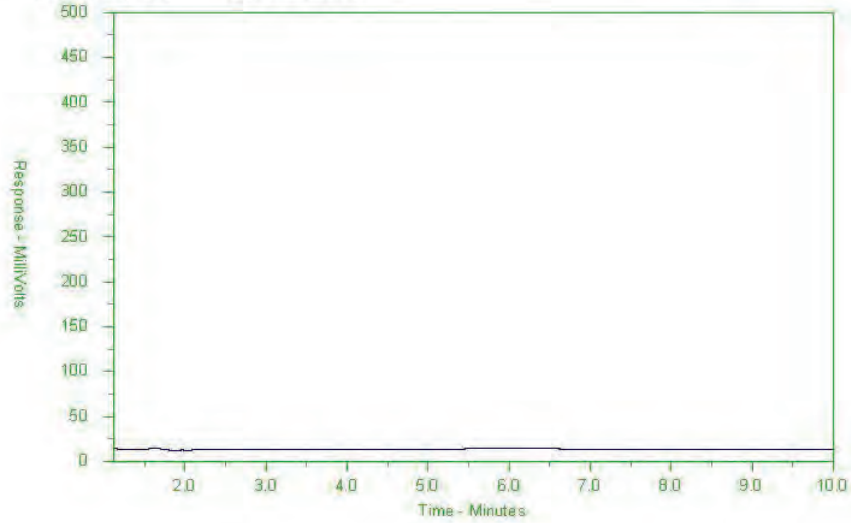
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nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

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# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2559886-15  
Client Sample ID: DU-BH20-2 SS6



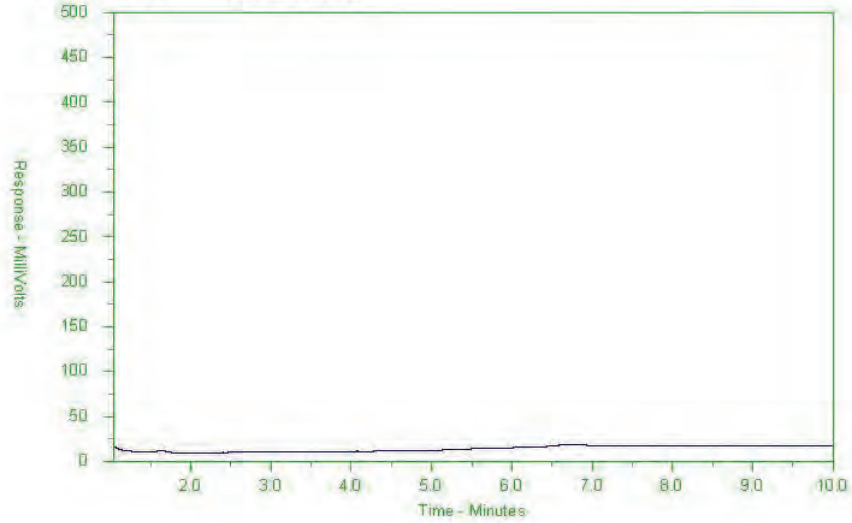
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nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

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# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2559886-16  
Client Sample ID: DU-BH20-2 SS7



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

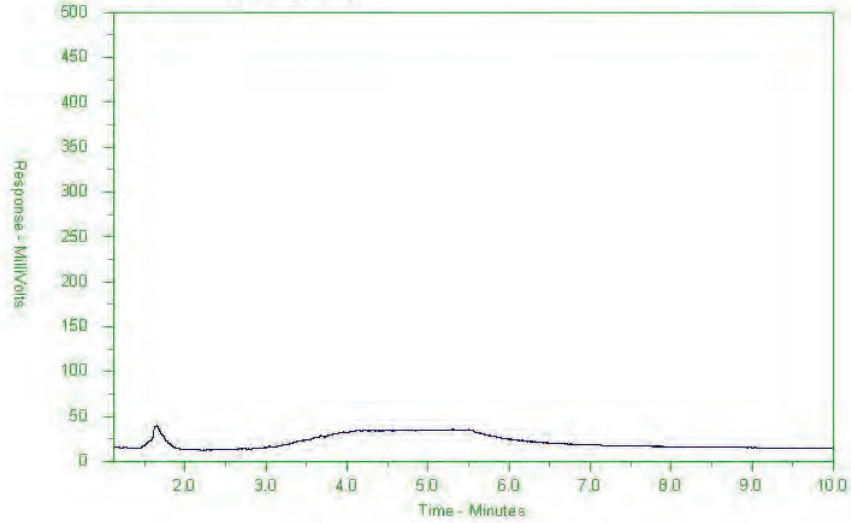
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# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2559886-17  
Client Sample ID: DU-BH20-3 SS2



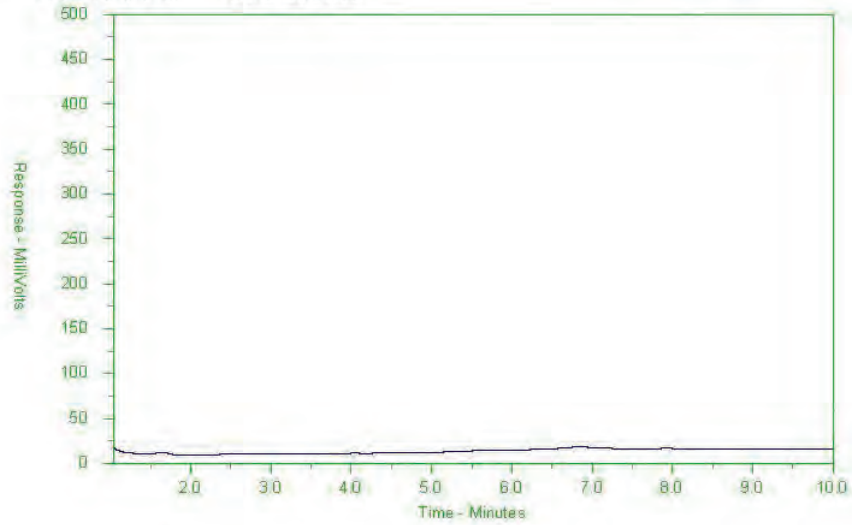
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nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

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# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2559886-18  
Client Sample ID: DU-BH20-3 SS6



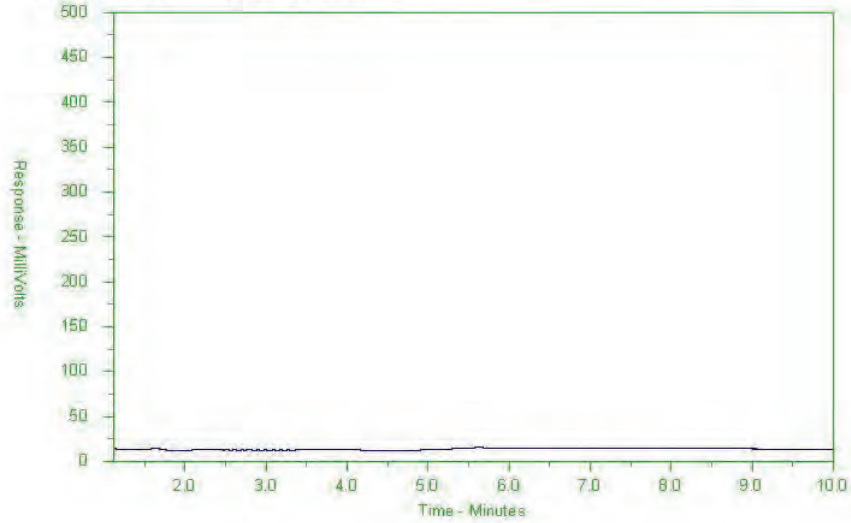
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nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

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# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2559886-20  
Client Sample ID: DU-BH20-4 SS8



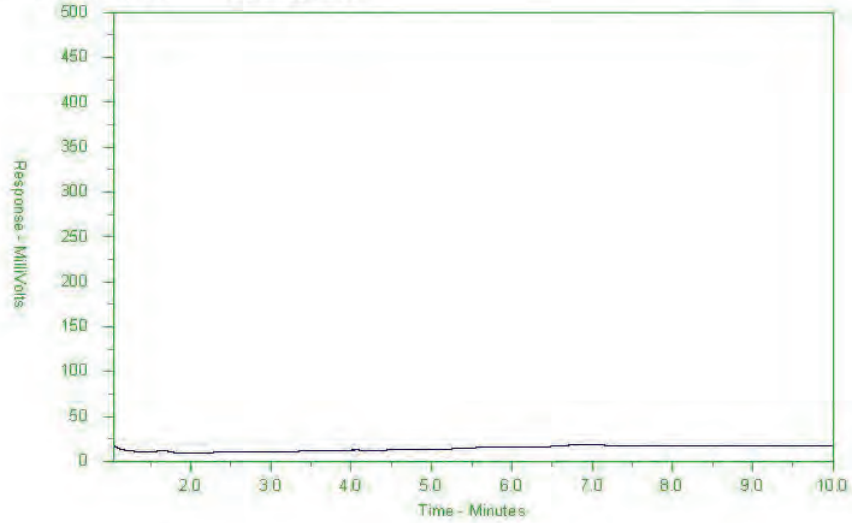
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nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →					

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# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2559888-21  
Client Sample ID: DU-BH20-4 SS9



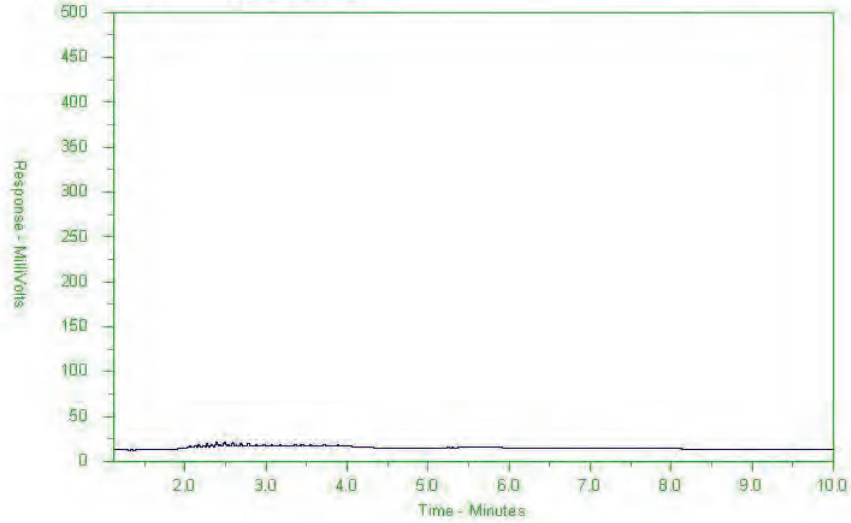
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nC10	nC16	nC34		nC50	
174°C	287°C	481°C		575°C	
346°F	549°F	898°F		1067°F	
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

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# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2559886-22  
Client Sample ID: DU-BH20-5 SS5



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34		nC50	
174°C	287°C	481°C		575°C	
346°F	549°F	898°F		1067°F	
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

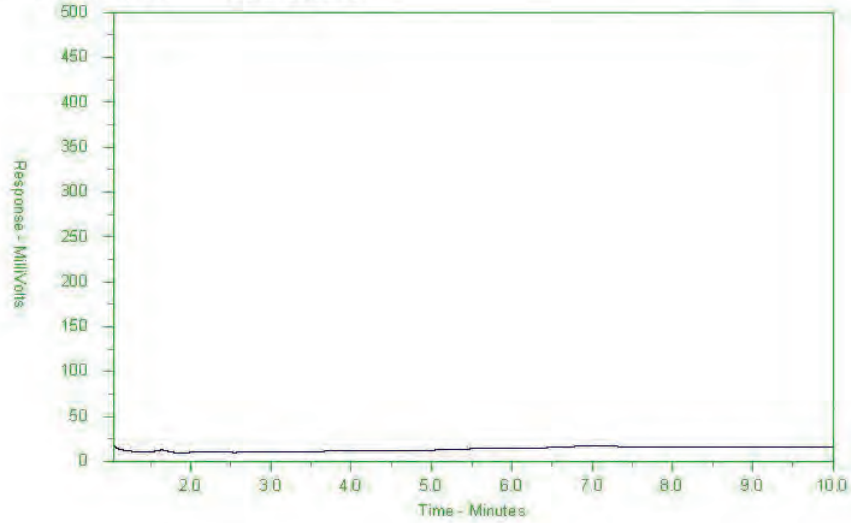
Printed on 2/23/2021 11:53:02 AM



# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2559886-23  
Client Sample ID: DU-BH20-5 SS6



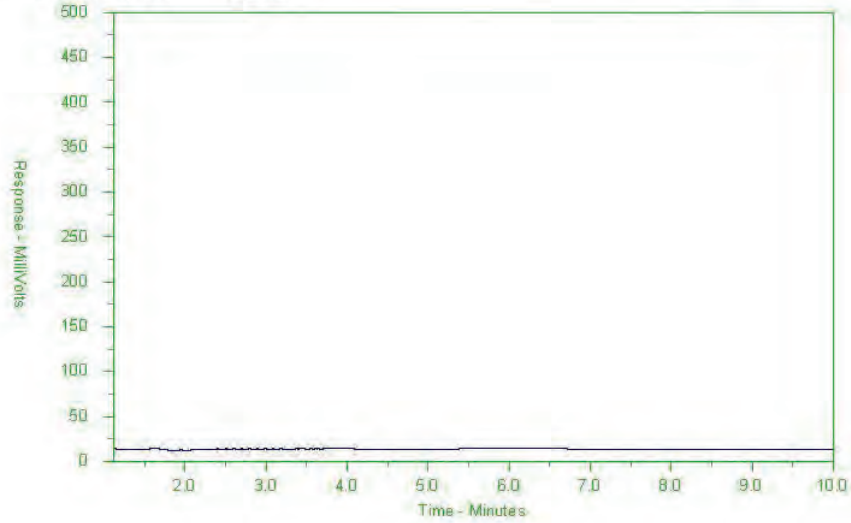
← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

Printed on 2/23/2021 11:53:04 AM

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2559888-26  
Client Sample ID: DUP-2



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

Printed on 2/23/2021 11:53:06 AM



<b>Report To:</b> Company: <u>ALP</u> Contact: <u>Allison Ried</u> Phone: _____ Email: _____ Address: <u>100 Commerceville Drive</u> City/Province: <u>Thornhill</u> Postal Code: _____ Invoice To: Same as Report To <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Copy of Invoice with Report: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Company: _____ Contact: _____		<b>Report Format / Distribution:</b> Report Format: <input checked="" type="checkbox"/> PDF <input type="checkbox"/> DOC <input type="checkbox"/> DOC (Excel) Quality Control (QC) Report with Report: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Report Distribution: <input checked="" type="checkbox"/> Email <input type="checkbox"/> FAX <input type="checkbox"/> Mail Email 1: _____ Email 2: _____ Email 3: _____		<b>Service Level / Turnaround:</b> Regular (RT): <input type="checkbox"/> 1 Business Day (RT - 100%) 4 Day (P4-25%): <input type="checkbox"/> 4 Business Days (RT - 100%) 3 Day (P3-25%): <input type="checkbox"/> 3 Business Days (RT - 100%) 2 Day (P2-50%): <input type="checkbox"/> 2 Business Days (RT - 100%) Date and Time Required for all EAP tests: _____ (All times are in EST/EDT)	
<b>Project Information:</b> ALS Account # / Quote #: _____ Job #: <u>THM-12000-AP</u> PO / A/E: <u>THM-01905-81</u> LSO: _____		<b>Invoice Description:</b> Select shipping destination: <input checked="" type="checkbox"/> BNA <input type="checkbox"/> MIA <input type="checkbox"/> LAX Select Time Zone: _____ Email 2: _____		<b>Analysis Request:</b> Include Parent (P), Intermediate (I), or Parent and Intermediate (PI) tests: Parent: _____ Intermediate: _____ PI: _____	
<b>Oil and Gas Required Fields (client use):</b> API Gravity: _____ Sulfur Content: _____ Location: _____		<b>NUMBER OF CONTAINERS:</b> Material: <u>Industrial</u> Type: <u>PAH</u> Container: <u>PHC FI-14</u> Volume: <u>VOC</u> Analysis: <u>TCAP, M+I, PCBs, TCAP, PAHs, VOCs, TCAP - PAHs, VOCs</u> Date: <u>2012-12-12</u>		<b>SAMPLES ON HOLD</b> SUSPECTED HAZARDOUS (see Special Instructions)	
<b>ALS Lab Work Order # (lab use only):</b> <u>L2559686</u>		<b>ALS Contact:</b> <u>EH</u> <b>Sample:</b> <u>JF</u>			
<b>ALS Sample # (lab use only):</b> Sample Identification and/or Coordinates (This description will appear on the report): <u>DW-BH20-1 SS1</u> <u>DW-BH20-1 SS3</u> <u>DW-BH20-1 SS4</u> <u>DW-BH20-2 SS1</u> <u>DW-BH20-2 SS3</u> <u>DW-BH20-3 SS1</u> <u>DW-BH20-3 SS4</u> <u>DW-BH20-4 SS1</u> <u>DW-BH20-4 SS4</u> <u>DW-BH20-5 SS1</u> <u>DW-BH20-5 SS3</u> <u>TCAP</u>		<b>Date:</b> <u>Feb 20</u> <b>Time:</b> _____ <b>Sample Type:</b> <u>Soil</u>			
<b>Drinking Water (DW) Samples? (client use):</b> Are samples taken from a Regulated DW System? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Are samples for human consumption? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<b>Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (reference COC only):</b> <u>Table 3 R/I/I</u>		<b>SAMPLE CONDITION AS RECEIVED (lab use only):</b> Frozen: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Not Filled: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cooling Initiated: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Initial Cooler Temperature (°C): <u>3.2</u> Final Cooler Temperature (°C): _____	
<b>SHIPMENT RELEASE (client use):</b> Released by: <u>[Signature]</u> Date: <u>Feb 20/20</u> Time: _____		<b>INITIAL SHIPMENT RECEPTION (lab use only):</b> Received by: _____ Date: _____ Time: _____		<b>FINAL SHIPMENT RECEPTION (lab use only):</b> Received by: <u>[Signature]</u> Date: <u>2/27/21</u> Time: <u>1:30</u>	

1. If any other samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.



**ALS Environmental**  
www.alsenviro.com

**Chain of Custody (COC) / Analytical Request Form**

Canada Toll Free: 1 800 663 0878



L2559686-COFC

COC Number: 17- 872459

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<b>Report To:</b> Contact and company name below will appear on the final report. <b>Company:</b> <u>NSV</u> <b>Contact:</b> <u>Allison Reed</u> <b>Phone:</b> _____ Company address below will appear on the final report. <b>Street:</b> <u>1500 Concord Valley Dr</u> <b>City/Province:</b> <u>Thursby</u> <b>Postal Code:</b> _____		<b>Report Format / Distribution:</b> Select Report Format: <input checked="" type="checkbox"/> Hard <input type="checkbox"/> Soft <input type="checkbox"/> PDF (select) Quality Control (QC) Report with Report: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Select Distribution: <input checked="" type="checkbox"/> Hard <input type="checkbox"/> Soft <input type="checkbox"/> PDF Email 1 or Fax: <u>allison.reed@nsv.com</u> Email 2: _____ Email 3: _____		Contact your ALS to confirm all EAP tests (overcharges may apply). Regularly (R): <input type="checkbox"/> Standard TST if required (a 2 day + advance order - no surcharge apply) 4 day (P4-20%): <input type="checkbox"/> 1 Business Day (E - 100%) 3 day (P3-25%): <input type="checkbox"/> Same Day, Weekend or Statutory holiday (E - 200%) 2 day (P2-50%): <input type="checkbox"/> (Laboratory opening hours only apply) <b>Date and Time Required for all EAP Tests:</b> _____ (30 minutes - 1 hour) For work done not be performed according to the service level indicated, it will be charged.																																																	
<b>Invoice To:</b> (same as Report To) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Copy of Invoice with Report: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Company:</b> _____ <b>Contact:</b> _____		<b>Invoice Distribution:</b> Select Invoice Distribution: <input checked="" type="checkbox"/> Email <input type="checkbox"/> Hard <input type="checkbox"/> Fax Email 1 or Fax: _____ Email 2: _____		<b>Analysis Requested:</b> Analyte: <u>VOC</u> Parameter: <u>PAC E-F4</u> Method: <u>GC/MS</u> Matrix: <u>Water</u> Container: <u>100 mL</u> Preservation: <u>Refrigerated</u> Storage: <u>4°C</u> Stability: <u>24 hours</u> Detection Limit: <u>100 µg/L</u> Reporting Limit: <u>100 µg/L</u> Method Detection Limit: <u>100 µg/L</u> Method Quantification Limit: <u>100 µg/L</u> Method Reporting Limit: <u>100 µg/L</u> Method Detection Limit: <u>100 µg/L</u> Method Quantification Limit: <u>100 µg/L</u> Method Reporting Limit: <u>100 µg/L</u>																																																	
<b>ALS Account # / Quote #:</b> Account # <u>17559686</u> Quote # <u>17559686</u> PO / A/E: <u>17559686</u> LPO: _____		<b>ALS Lab Work Order # (add use only):</b> <u>17559686</u> <b>ALS Contract:</b> <u>EH</u> <b>Sampler:</b> <u>JF</u>		<b>NUMBER OF CONTAINERS:</b> <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20																												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20																																		
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DV-B120-5 S6.6			3																																																		

1. If any value is present in the table below it is a Registered Drinking Water (RDW) System. Please identify it as such on the COC form.

Canada Toll Free: 1 800 563 9878

[illegible]



# APPENDIX

## **G** PRELIMINARY GEOTECHNICAL CONSIDERATIONS



## PRELIMINARY GEOTECHNICAL RECOMMENDATIONS

Based on our current understanding of the project, one 4-storey building without basement will be constructed at the Site. Based on the results of this preliminary investigation, the native soils encountered at the site are generally considered to be suitable for supporting the modular housing structure. The following preliminary geotechnical information is provided for the preliminary design of modular housing structure and driveway pavement at the site:

- Fill materials were encountered below the asphalt and extended to depths ranging from 0.7 to 1.4 mbgs. The existing fill materials are considered to be unsuitable for supporting the proposed modular homes.
- Depending upon the final grading of the site and designs, after removal of asphalt and unsuitable fill material, some of the areas need to be brought up to the underside of the footings, if required, using engineered fill. The materials proposed for use as engineered fill should be approved by qualified geotechnical personnel at the source, prior to hauling to the site. Some of the existing fill materials would be unsuitable for reuse as engineered fill due to the poor gradation and/or organic and foreign materials inclusions. Details regarding placement and compaction requirements for engineered fill, if utilized at the site, can be provided once the actual development plans are available, as part of the final geotechnical recommendations for the project.
- The very stiff to hard native silty clay till and compact to very dense native sand found at the site are considered to be suitable for supporting the proposed modular homes. A preliminary allowable bearing pressure of 150 kPa at SLS (Serviceability Limit State) may be assumed for conventional shallow spread and/or strip footings bearing in the very stiff to hard and compact to very dense undisturbed native subsoils, at depths approximately ranging from 0.7 to 1.4 mbgs. Footings founded on approved engineered fill, if utilized at the site, may be designed using a preliminary allowable bearing pressure of 150 kPa at SLS.
- All exterior footings and footings in unheated areas should be protected with a minimum of 1.2 m of earth cover for frost protection.
- Where it is necessary to place footings at different levels, the upper footing must be founded below an imaginary 10 horizontal to 7 vertical line drawn up from the base of the lower footing. The lower footing must be installed first to help minimize the risk of undermining the upper footing.
- The type of foundation drainage system required (perimeter drains and/or underslab drains) depends upon the proposed founding elevations, soil types in the area and actual stabilized groundwater levels. In any event, the type of foundation drainage should be confirmed by the geotechnical engineer once the site grading plans are available.
- Based on the results of this preliminary investigation, groundwater control during excavations within the native silty clay till, silty clay and sand can be handled by pumping from properly constructed filtered sumps. The need for and type of groundwater control measures can then be reviewed by the geotechnical engineer during the detailed design stage.

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- The proposed driveway at the Site should be constructed in accordance with City's standards. Prior to placing the granular subbase material, the exposed soil subgrade should be heavily proof-rolled in conjunction with inspection by qualified geotechnical personnel. Deleterious, organic, softened or loosened native subsoils or any fills will require subexcavation and replacement with approved material (i.e. engineered fill), as directed by geotechnical personnel.

The preliminary geotechnical recommendations provided in this report are not sufficient for final design or construction purposes. Once the actual designs are available, the information in this report should be reviewed by the geotechnical engineer and an additional investigation carried out, compatible with the actual proposed development plans for the site. In this regard, WSP would be pleased to provide further geotechnical services if site development plans proceed forward.