

TOWNSHIP OF LEEDS AND THE THOUSAND ISLANDS

**Briar Hill Waste Disposal Site
2021 Annual Monitoring, Development and
Operations Report**



Appendix D-Monitoring and Screening Checklist General Information and Instructions

General Information: The checklist is to be completed, and submitted with the Monitoring Report.

Instructions: A complete checklist consists of:

- (a) a completed and signed checklist, including any additional pages of information which can be attached as needed to provide further details where indicated.
- (b) completed contact information for the Competent Environmental Practitioner (CEP)
- (c) self-declaration that CEP(s) meet(s) the qualifications as set out below and in Section 1.2 of the Technical Guidance Document.

Definition of Groundwater CEP:

For groundwater, the CEP must have expertise in hydrogeology and meet one of the following:

- (a) the person holds a licence, limited licence or temporary licence under the *Professional Engineers Act*; or
- (b) the person holds a certificate of registration under the *Professional Geoscientists Act, 2000* and is a practicing member, temporary member or limited member of the Association of Professional Geoscientists of Ontario. O. Reg. 66/08, s. 2..

Definition of Surface water CEP:

A CEP for surface water assessments is a scientist, professional engineer or professional geoscientist as described in (a) and (b) above with demonstrated experience and post-secondary education, either a diploma or degree, in hydrology, aquatic ecology, limnology, aquatic biology, physical geography with specialization in surface water, and/or water resource management.

The type of scientific work that a CEP performs must be consistent with that person's education and experience. If an individual has appropriate training and credentials in both groundwater and surface water and is responsible for both areas of expertise, the CEP may then complete and validate both sections of the checklist.

Monitoring Report and Site Information	
Waste Disposal Site Name	Briar Hill (Lyndhurst) Waste Disposal Site
Location (e.g. street address, lot, concession)	Lot 8, Concession 11, in the Township of Leeds and the Thousand Islands
GPS Location (taken within the property boundary at front gate/ front entry)	NAD 83 UTM Zone 18 T Northing: 4933135.1 Easting: 407020.1
Municipality	Township of Leeds and the Thousand Islands
Client and/or Site Owner	The Corporation of the Township of Leeds and the Thousand Islands
Monitoring Period (Year)	2021
This Monitoring Report is being submitted under the following:	
Environmental Compliance Approval Number:	A442103
Director's Order No.:	NA
Provincial Officer's Order No.:	NA
Other:	NA

Report Submission Frequency	<input checked="" type="radio"/> Annual <input type="radio"/> Other		
The site is: (Operation Status)	<input checked="" type="radio"/> Open <input type="radio"/> Inactive <input type="radio"/> Closed		
Does your Site have a Total Approved Capacity?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
If yes, please specify Total Approved Capacity	85,600.00	Units	Cubic Metres
Does your Site have a Maximum Approved Fill Rate?	<input type="radio"/> Yes <input checked="" type="radio"/> No		
If yes, please specify Maximum Approved Fill Rate	NA	Units	
Total Waste Received within Monitoring Period (Year)	1338	Units	Cubic Metres
Total Waste Received within Monitoring Period (Year) <i>Methodology</i>	Difference between volumes from annual surveys.		
Estimated Remaining Capacity	53018	Units	Cubic Metres
Estimated Remaining Capacity <i>Methodology</i>	Approved capacity minus current waste volume, as determined by survey.		
Estimated Remaining Capacity <i>Date Last Determined</i>	December 2021		
Non-Hazardous Approved Waste Types	<input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Industrial, Commercial & Institutional (IC&I) <input type="checkbox"/> Source Separated Organics (Green Bin) <input type="checkbox"/> Tires	<input type="checkbox"/> Contaminated Soil <input type="checkbox"/> Wood Waste <input type="checkbox"/> Blue Box Material <input type="checkbox"/> Processed Organics <input checked="" type="checkbox"/> Leaf and Yard Waste	<input type="checkbox"/> Food Processing/Preparation Operations Waste <input type="checkbox"/> Hauled Sewage Other: <input type="text"/>
Subject Waste Approved Waste Classes: Hazardous & Liquid Industrial <i>(separate waste classes by comma)</i>			
Year Site Opened <i>(enter the Calendar Year only)</i>		Current ECA Issue Date	August 20, 2015
Is your Site required to submit Financial Assurance?	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Describe how your Landfill is designed.	<input checked="" type="radio"/> Natural Attenuation only <input type="radio"/> Fully engineered Facility <input type="radio"/> Partially engineered Facility		
Does your Site have an approved Contaminant Attenuation Zone?	<input checked="" type="radio"/> Yes <input type="radio"/> No		

If closed, specify C of A, control or authorizing document closure date:

Has the nature of the operations at the site changed during this monitoring period?

Yes

No

Type Here

If yes, provide details:

Have any measurements been taken since the last reporting period that indicate landfill gas volumes have exceeded the MOE limits for subsurface or adjacent buildings? (i.e. exceeded the LEL for methane)

Yes

No

Groundwater WDS Verification:

Based on all available information about the site and site knowledge, it is my opinion that:

Sampling and Monitoring Program Status:

<p>1) The monitoring program continues to effectively characterize site conditions and any groundwater discharges from the site. All monitoring wells are confirmed to be in good condition and are secure:</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p>See report for details.</p>
<p>2) All groundwater, leachate and WDS gas sampling and monitoring for the monitoring period being reported on was successfully completed as required by Certificate(s) of Approval or other relevant authorizing/control document (s):</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>If no, list exceptions below or attach information.</p>

Groundwater Sampling Location	Description/Explanation for change (change in name or location, additions, deletions)	Date
OW19	Unable to sample due to dry conditions during fall sampling event. See report for details.	October 2021
OW22	Unable to sample due to dry conditions during fall sampling event. See report for details.	October 2021
122 Turk Rock Road	Unable to sample during regularly scheduled spring or fall events due to lack of access provided by the owner. See report for details.	April and October 2021
151 Fortune Line Road	Sample collected from drinking water well for PFAS analyses. See report for details.	December 2021

3) a) Is landfill gas being monitored or controlled at the site?		<input checked="" type="radio"/> Yes <input type="radio"/> No	
If yes to 3(a), please answer the next two questions below.			
b) Have any measurements been taken since the last reporting period that indicate landfill gas is present in the subsurface at levels exceeding criteria established for the site?		<input type="radio"/> Yes <input checked="" type="radio"/> No	
c) Has the sampling and monitoring identified under 3(a) for the monitoring period being reported on was successfully completed in accordance with established protocols, frequencies, locations, and parameters developed as per the Technical Guidance Document:		<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not Applicable	If no, list exceptions below or attach additional information.
Groundwater Sampling Location	Description/Explanation for change (change in name or location, additions, deletions)	Date	
OW19	Unable to sample due to dry conditions during fall sampling event. See report for details.	October 2021	
OW22	Unable to sample due to dry conditions during fall sampling event. See report for details.	October 2021	
122 Turk Rock Road	Unable to sample during regularly scheduled spring or fall events due to lack of access provided by the owner. See report for details.	April and October 2021	
151 Fortune Line Road	Sample collected from drinking water well for PFAS analyses. See report for details.	December 2021	
4) All field work for groundwater investigations was done in accordance with standard operating procedures as established/outlined per the Technical Guidance Document (including internal/external QA/QC requirements) (Note: A SOP can be from a published source, developed internally by the site owner's consultant, or adopted by the consultant from another organization):	<input checked="" type="radio"/> Yes <input type="radio"/> No	See report for details.	

Sampling and Monitoring Program Results/WDS Conditions and Assessment:

<p>5) The site has an adequate buffer, Contaminant Attenuation Zone (CAZ) and/or contingency plan in place. Design and operational measures, including the size and configuration of any CAZ, are adequate to prevent potential human health impacts and impairment of the environment.</p>	<p><input type="radio"/> Yes</p> <p><input checked="" type="radio"/> No</p>	<p>Development of additional CAZ for the Site is ongoing.</p>	
<p>6) The site meets compliance and assessment criteria.</p>	<p><input type="radio"/> Yes</p> <p><input checked="" type="radio"/> No</p>	<p>See previous comment and report for details.</p>	
<p>7) The site continues to perform as anticipated. There have been no unusual trends/ changes in measured leachate and groundwater levels or concentrations.</p>	<p><input checked="" type="radio"/> Yes</p> <p><input type="radio"/> No</p>	<p>If no, list exceptions and explain reason for increase/change (Type Here):</p>	
<p>1) Is one or more of the following risk reduction practices in place at the site:</p> <p>(a) There is minimal reliance on natural attenuation of leachate due to the presence of an effective waste liner and active leachate collection/ treatment; or</p> <p>(b) There is a predictive monitoring program in-place (modeled indicator concentrations projected over time for key locations); or</p> <p>(c) The site meets the following two conditions (typically achieved after 15 years or longer of site operation):</p> <p><i>i.</i> The site has developed stable leachate mound(s) and stable leachate plume geometry/concentrations; and</p> <p><i>ii.</i> Seasonal and annual water levels and water quality fluctuations are well understood.</p>	<p><input type="radio"/> Yes</p> <p><input checked="" type="radio"/> No</p>	<p>Note which practice(s):</p>	<p><input type="checkbox"/> (a)</p> <p><input type="checkbox"/> (b)</p> <p><input checked="" type="checkbox"/> (c)</p>
<p>9) Have trigger values for contingency plans or site remedial actions been exceeded (where they exist):</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input checked="" type="radio"/> Not Applicable</p>	<p>See report for discussion.</p>	

Groundwater CEP Declaration:

I am a licensed professional Engineer or a registered professional geoscientist in Ontario with expertise in hydrogeology, as defined in Appendix D under Instructions. Where additional expertise was needed to evaluate the site monitoring data, I have relied on individuals who I believe to be experts in the relevant discipline, who have co-signed the compliance monitoring report or monitoring program status report, and who have provided evidence to me of their credentials.

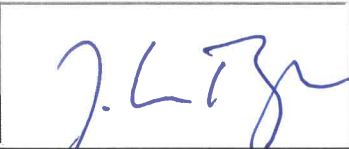
I have examined the applicable Certificate of Approval and any other environmental authorizing or control documents that apply to the site. I have read and followed the Monitoring and Reporting for Waste Disposal Sites Groundwater and Surface Water Technical Guidance Document (MOE, 2010, or as amended), and associated monitoring and sampling guidance documents, as amended from time to time. I have reviewed all of the data collected for the above-referenced site for the monitoring period(s) identified in this checklist. Except as otherwise agreed with the ministry for certain parameters, all of the analytical work has been undertaken by a laboratory which is accredited for the parameters analysed to *ISO/IEC 17025:2005 (E)- General requirements for the competence of testing and calibration laboratories*, or as amended from time to time by the ministry.

If any exceptions or potential concerns have been noted in the questions in the checklist attached to this declaration, it is my opinion that these exceptions and concerns are minor in nature and will be rectified for the next monitoring/reporting period. Where this is not the case, the circumstances concerning the exception or potential concern and my client's proposed action have been documented in writing to the Ministry of the Environment District Manager in a letter from me dated:

Recommendations:

Based on my technical review of the monitoring results for the waste disposal site:

<p><input type="radio"/> No changes to the monitoring program are recommended</p> <p><input checked="" type="radio"/> The following change(s) to the monitoring program is/are recommended:</p>	<p>see report for recommendations</p> <p>The completion of this Checklist is a requirement of the MECP. As always, we rely upon the MECP, to undertake a complete review of the report(s) provided regarding the waste disposal site/landfill, and provide their comments and acceptance of our interpretation, conclusions and recommendations. This Checklist should in no way supersede the MECP's responsibility to undertake their complete review of our report(s) to ensure compliance with the environmental regulations, standards, and approvals</p>
<p><input checked="" type="radio"/> No Changes to site design and operation are recommended</p> <p><input type="radio"/> The following change(s) to the site design and operation is/are recommended:</p>	

Name:	John Pyke		
Seal:	Add Image		
Signature:		Date:	March 30, 2022
CEP Contact Information:	John Pyke		
Company:	Malroz Engineering Inc.		
Address:	308 Wellington St., 2nd Floor, Kingston ON		
Telephone No.:	613-548-3446 ext. 34	Fax No. :	Type Here
E-mail Address:	pyke@malroz.com		
Co-signers for additional expertise provided:			
Signature:		Date:	Select Date
Signature:		Date:	Select Date

Surface Water WDS Verification:

Provide the name of surface water body/bodies potentially receiving the WDS effluent and the approximate distance to the waterbody (including the nearest surface water body/bodies to the site):

Name (s)	unnamed tributary of Morton Creek
Distance(s)	north of the Site

Based on all available information and site knowledge, it is my opinion that:

Sampling and Monitoring Program Status:

<p>1) The current surface water monitoring program continues to effectively characterize the surface water conditions, and includes data that relates upstream/background and downstream receiving water conditions:</p>	<input checked="" type="radio"/> Yes <input type="radio"/> No	See report for discussion.
<p>2) All surface water sampling for the monitoring period being reported was successfully completed in accordance with the Certificate(s) of Approval or relevant authorizing/control document(s) (if applicable):</p>	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not applicable (No C of A, authorizing / control document applies)	If no, specify below or provide details in an attachment.

Surface Water Sampling Location	Description/Explanation for change (change in name or location, additions, deletions)	Date
Type Here	Type Here	Select Date

<p>3) a) Some or all surface water sampling and monitoring program requirements for the monitoring period have been established outside of a ministry C of A or authorizing/control document.</p>	<p><input type="radio"/> Yes</p> <p><input checked="" type="radio"/> No</p> <p><input type="radio"/> Not Applicable</p>
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<p>b) If yes, all surface water sampling and monitoring identified under 3 (a) was successfully completed in accordance with the established program from the site, including sampling protocols, frequencies, locations and parameters) as developed per the Technical Guidance Document:</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input checked="" type="radio"/> Not Applicable</p>	<p>If no, specify below or provide details in an attachment.</p>
--	---	--

Surface Water Sampling Location	Description/Explanation for change (change in name or location, additions, deletions)	Date
Type Here	Type Here	Select Date

<p>4) All field work for surface water investigations was done in accordance with standard operating procedures, including internal/external QA/QC requirements, as established/outlined as per the Technical Guidance Document, MOE 2010, or as amended. (Note: A SOP can be from a published source, developed internally by the site owner's consultant, or adopted by the consultant from another organization):</p>	<p><input checked="" type="radio"/> Yes</p> <p><input type="radio"/> No</p>	<p>See report for discussion.</p>
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Sampling and Monitoring Program Results/WDS Conditions and Assessment:

5) The receiving water body meets surface water-related compliance criteria and assessment criteria: i.e., there are no exceedances of criteria, based on MOE legislation, regulations, Water Management Policies, Guidelines and Provincial Water Quality Objectives and other assessment criteria (e.g., CWQGs, APVs), as noted in Table A or Table B in the Technical Guidance Document (Section 4.6):	<input type="radio"/> Yes <input checked="" type="radio"/> No
--	--

If no, list parameters that exceed criteria outlined above and the amount/percentage of the exceedance as per the table below or provide details in an attachment:

Parameter	Compliance or Assessment Criteria or Background	Amount by which Compliance or Assessment Criteria or Background Exceeded
e.g. Nickel	e.g. C of A limit, PWQO, background	e.g. X% above PWQO
See report for discussion.		

6) In my opinion, any exceedances listed in Question 5 are the result of non-WDS related influences (such as background, road salting, sampling site conditions)?	<input checked="" type="radio"/> Yes <input type="radio"/> No	<p>If yes, specify (Type Here): See report for discussion.</p> <p>Background conditions show several exceedances of criteria. See report for details.</p>
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<p>7) All monitoring program surface water parameter concentrations fall within a stable or decreasing trend. The site is not characterized by historical ranges of concentrations above assessment and compliance criteria.</p>	<p><input checked="" type="radio"/> Yes</p> <p><input type="radio"/> No</p>	<p>If no, list parameters and stations that is outside the expected range. Identify whether parameter concentrations show an increasing trend or are within a high historical range (Type Here)</p> <p>See report for details.</p>
<p>8) For the monitoring program parameters, does the water quality in the groundwater zones adjacent to surface water receivers exceed assessment or compliance criteria (e.g. , PWQOs, CWQGs, or toxicity values for aquatic biota (APVs)):</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input checked="" type="radio"/> Not Known</p> <p><input type="radio"/> Not Applicable</p>	<p>If yes, provide details and whether remedial measures are necessary (Type Here):</p> <p>See report for discussion.</p>
<p>9) Have trigger values for contingency plans or site remedial actions been exceeded (where they exist):</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input checked="" type="radio"/> Not Applicable</p>	<p>If yes, list value(s) that are/have been exceeded and follow-up action taken (Type Here):</p> <p>See report for discussion.</p>

Surface Water CEP Declaration:

I, the undersigned hereby declare that I am a Competent Environmental Practitioner as defined in Appendix D under Instructions, holding the necessary level of experience and education to design surface water monitoring and sampling programs, conduct appropriate surface water investigations and interpret the related data as it pertains to the site for this monitoring period.

I have examined the applicable Certificate of Approval and any other environmental authorizing or control documents that apply to the site. I have read and followed the Monitoring and Reporting for Waste Disposal Sites Groundwater and Surface Water Technical Guidance Document (MOE, 2010, or as amended) and associated monitoring and sampling guidance documents, as amended from time to time. I have reviewed all of the data collected for the above-referenced site for the monitoring period(s) identified in this checklist. Except as otherwise agreed with the ministry for certain parameters, all of the analytical work has been undertaken by a laboratory which is accredited for the parameters analysed to *ISO/IEC 17025:2005 (E)- General requirements for the competence of testing and calibration laboratories*, or as amended from time to time by the ministry.

If any exceptions or potential concerns have been noted in the questions in the checklist attached to this declaration, it is my opinion that these exceptions and concerns are minor in nature or will be rectified for future monitoring events. Where this is not the case, the circumstances concerning the exception or potential concern and my client's proposed action have been documented in writing to the Ministry of the Environment District Manager in a letter from me dated:

Recommendations:

Based on my technical review of the monitoring results for the waste disposal site:

<p><input checked="" type="radio"/> No Changes to the monitoring program are recommended</p> <p><input type="radio"/> The following change(s) to the monitoring program is/are recommended:</p>	<p>The completion of this Checklist is a requirement of the MECP. As always, we rely upon the MECP, to undertake a complete review of the report(s) provided regarding the waste disposal site/landfill, and provide their comments and acceptance of our interpretation, conclusions and recommendations. This Checklist should in no way supersede the MECP's responsibility to undertake their complete review of our report(s) to ensure compliance with the environmental regulations, standards, and approvals</p>
<p><input checked="" type="radio"/> No changes to the site design and operation are recommended</p> <p><input type="radio"/> The following change(s) to the site design and operation is/are recommended:</p>	<p>Type Here</p>

CEP Signature		
Relevant Discipline	Geoscientist with relevant experience and training.	
Date:	March 31, 2021	
CEP Contact Information:	John Pyke, P.Geo.	
Company:	Malroz Engineering Inc.	
Address:	308 Wellington St., 2nd Floor, Kingston ON	
Telephone No.:	613-548-3446 ext. 34	
Fax No. :	Type Here	
E-mail Address:	pyke@malroz.com	
Save As		Print Form

NOTICE TO READER

This document has been prepared by Malroz Engineering Inc. (Malroz) on behalf of the Township of Leeds and the Thousand Islands (TLTI), in fulfilment of Condition 6(6) of Amended Environmental Compliance Approval (ECA) No. A442103.

Malroz has relied upon site observations and previous reports to provide historic data and the conceptual understanding of the site. Malroz accepts no responsibility for the integrity of the data provided by TLTI or for missing historic data. Any third-party use or reliance of this report, or decisions made based on this report, are the responsibilities of the third parties. Malroz accepts no responsibility for damages suffered by any third party as a result of decisions made or actions taken based on the contents of this report.

This document has been prepared for TLTI for submission to the Ministry of Environment, Conservation and Parks (MECP) as required by the ECA. Unauthorized re-use of this document for any other purpose, or by third parties without the express written consent of Malroz shall be at such party's sole risk.

This page is an integral part of this document and must remain with it at all times.

Respectfully Submitted,

MALROZ ENGINEERING INC.



per: Justina Poisson, B.Sc., C.E.T.
Environmental Technologist



and: John Pyke, P. Geo.,
Project Manager



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1.0 Introduction

The Briar Hill waste disposal site (the Site) operates under Amended Environmental Compliance Approval (ECA) No. A442103 issued by the Ministry of the Environment and Climate Change (now the Ministry of Environment, Conservation and Parks or MECP), dated August 20, 2015 (see Appendix A). The Site is located at 114 Turk Rock Road on part of Lot 18, Concession 11 in the Township of Leeds and the Thousand Islands (TLTI), Ontario (Figure 1 and Figure 2a, Appendix B). In accordance with the ECA, a monitoring, development and operations report (AMR) is to be completed annually.

Malroz was retained by the TLTI to conduct the semi-annual monitoring of the groundwater and surface water at the Site, and report on the development and operations of the Site. This document presents our methodology, results and interpretation, in accordance with the ECA. This report was prepared on behalf of the the TLTI, using data collected by Malroz and available information provided by the TLTI staff.

1.1 Ownership and Key Personnel

The Site is owned and maintained by the Corporation of the Township of Leeds and the Thousand Islands. Key contacts for the Site are as follows:

Municipal Contact

David Holliday
Director of Operations
1233 Prince Street, P.O. Box 280
Lansdowne, Ontario, K0E 1L0
613-659-2415 ext. 211
directoroperations@townshipleeds.on.ca

Environmental Professional Contact

John Pyke, P. Geo.
Project Manager
308 Wellington St.
Kingston, Ontario, K7K 7A8
613-548-3446 ext. 34
pyke@malroz.com

2.0 Background

The geology, hydrogeology, physiography, and hydrology of the Site are described in this section, based on our review of collected data, including site observations and previous reports on investigations at the Site.

2.1 Geological Setting

Geological mapping from the Ontario Geological Survey ^[1] (OGS, 2011) indicates that bedrock underlying the southern two-thirds of the Site comprises Precambrian granitic gneiss, with the northern portion of the Site underlain by carbonate metasedimentary rocks (OGS, 2011, Hewitt, 1964). Well records for bedrock wells BW1 and BW2 (Appendix E) suggest two distinct lithologies are present at the Site, with BW1 set in metasedimentary and BW2 in granitic bedrock (Figure 3, Appendix B). The inferred contact between the two lithologies runs approximately southwest to northeast, just north of the active fill area, and transecting the former waste mound.

Several bedrock outcrops are present on-site, mainly in the south portion of the Site by the Tackaberry Pit, as well as in the forested area north of the waste fill area. Water well records show that the overburden consists of clay and sand, and ranges from approximately 3 to 11 metres thick (refer to Appendix E).

2.2 Hydrogeologic Setting

Groundwater elevation data collected during the 2021 monitoring program indicates a north to north-westerly flow in the overburden, towards an unnamed tributary of Morton Creek, just north of the Site. Based on monitoring and survey data, the overburden groundwater from the Site appears to discharge to the unnamed stream north of the Site (see Table 1, Appendix C).

Artesian conditions periodically observed at deeper groundwater well OW15-D suggests an upwards gradient and potential discharge to the stream located north of the Site. Groundwater elevations in the deeper wells suggest that the deep groundwater flow at the site is towards the north. However, it is notable that these wells are not screened within the same unit: BW2-D is screened within the granitic gneiss, BW1 is screened within calcareous metasedimentary bedrock, and OW15-D is screened in the overburden. The influence of the various geologic units on the bedrock hydrogeology has not been fully assessed.

¹ Bedrock Geology (GIS database MRD126-REV1), Ontario Ministry of Northern Development and Mines, 2011.

We understand that there are three residential wells within 500 m of the Site, including two downgradient residential wells located at 122 Turk Rock Road, and 151 Fortune Line Road, and one upgradient residential well located at 151 Briar Hill Road.

2.3 Surface Water Features

An unnamed tributary to Morton Creek flows east to west and is located north of the Site. The tributary collects surface water run off from the field to the north east via tile drainage. The stream flows through a culvert under Turk Rock Road (near SW1), and westward past OW17, OW15-S&D, and OW24. The unnamed stream continues west under Fortune Line Road (at SW5) and eventually flows into Morton Creek. From the confluence of Morton Creek and the unnamed stream, Morton Creek flows approximately 3 km and discharges into Whitefish Lake, which is part of the Rideau Waterway.

2.4 MECP Review and Correspondence

Comments and recommendations regarding the 2020 AMR pertaining to the groundwater monitoring program were provided in a memorandum dated May 13, 2021. A summary of the conclusions and recommendations of the review are as follows:

- The MECP are in agreement of the preparation of a closure plan for the Site
- Monitoring should continue twice per year, in conformance with the Site's ECA
- The MECP are in agreement with Malroz's recommendation to reduce the volatile organic compound (VOC) monitoring at the site to once annually in the spring, with the sample locations to be reduced to only include wells where VOCs have historically been detected (L10, OW15-S, OW15-D, OW19 and OW22).
- The MECP agrees with the previous MECP recommendation to reduce the sampling frequency at wells L2, L10, and L11 to annually. It is recommended that the sampling be conducted in the spring for these locations.
- The MECP agrees with Malroz's recommendation to add 122 Turk Rock Road to future spring and fall groundwater sampling programs and also requests that 151 Fortune Line Road be sampled as part of the sampling programs
- The MECP requests that Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) sampling at the leachate well, 2 downgradient wells, and the two downgradient domestic wells (122 Turk Rock Road and 151 Fortune Line Road).
- The MECP supports Malroz's recommendation that the Township acquire property/groundwater rights west of the site for Conaminant Attenuation Zone (CAZ) lands and have the ECA amended to recognize lands to the north and west of the site as CAZ lands. The written plan for these changes to the ECA as

requested by Nathalie Matthews on April 20, 2020 was not included in the review of the AMR and will be followed by a separate letter requesting the updated monitoring program be approved.

MECP comments on the surface water component of the 2020 AMR were not received prior to preparation of the 2021 AMR.

3.0 Development and Operations

3.1 Waste Disposal Site Description

The Site operates under ECA No. A442103, amended in 2015, which permits a 2.4 hectare waste disposal area and transfer site within a total site area of 16 hectares. The Site accepts non-hazardous waste from within the TLTI.

The corners of the landfilling area are marked and secured by fencing. The site is adjacent to an active sand and gravel pit to the south, an agricultural property and a forested area to the west, and an agricultural/residential property to the north. Turk Rock Road is adjacent to the eastern property boundary, and a forested area is present further to the east.

Waste was previously deposited at the Briar Hill landfill on the northeastern segment of the Site (Figure 2a and 2b, Appendix B). Following the closure of the former landfill area, filling activities began to the west, near the centre of the property. The leased land located to the west of the Site and the purchased land located to the north of the Site are intended to serve as a buffer zone for contaminant attenuation. We understand that the registration of the new property as a CAZ is on-going.

Information regarding Site operations in 2021 was provided through attendant logbooks, site observations, and site investigations.

3.2 Site Access

The Site is accessed from Turk Rock Road off Briar Hill Road. Geodetic coordinates for the Site entrance are as follows (2013 Site survey):

Zone: NAD 83, 18T
Easting: 407020.1 m (+/- 0.5 m)
Northing: 4933135.1 m (+/- 0.5 m)

3.3 Service Area

Only waste that is generated within the boundaries of the TLTI is accepted at the Site. According to the 2021 census, the population of the TLTI was 9,804 ^[2].

3.4 Method of Waste Disposal

The Briar Hill Waste Disposal Site operates as an area fill site. On a bi-weekly basis, the waste is contoured, compacted, and covered. Environmental 360 Solutions (E360), provides recycling bin rentals for the Site and provides pickup and processing services for recycling materials dropped off by the TLTI residents.

Burning of waste is permitted in condition 2(6) of the ECA and has historically been carried out at the Site, however the TLTI stopped the burning of waste at the Site in November 2020 after receiving complaints from area residents (see Section 3.9).

No spills or emergencies, as described by condition 5 of the ECA, occurred at the Site in 2021.

3.5 Hours of Operation

Hours of operation are as follows:

Monday	8:30a.m. - 4:45 p.m.
Wednesday	8:30 a.m. - 4:45 p.m.
Thursday	8:30 a.m. - 4:45 p.m.
Saturday	8:30 a.m. - 4:45 p.m.

The entrance and exit gates are locked and no waste is received at the Site during non-operating hours. The Site was supervised by a site attendant during operating hours. A program is in place to inspect incoming waste loads for compliance. Daily records of site operations and conditions are kept by the Attendant and have been provided in Appendix F. Signs and labels at the Site are in accordance with ECA condition 2.

3.6 Waste Characteristics

According to the ECA, only solid non-hazardous municipal waste as defined under Ontario Regulation (O. Reg.) 347 is accepted at the Site. We understand loads of waste are inspected by site staff prior to their acceptance at the Site. Waste logs and a summary table of the logs are included in Appendix F.

² 2021 Census Profile, Leeds and the Thousand Islands, Ontario. Statistics Canada.

Based on the daily attendant logs, waste loads were rejected on 24 occasions for the following reasons:

- waste generated outside of township;
- waste was contained in black garbage bags;
- waste brought to site without tags; and
- loads contained non-accepted waste types

The site serves as a recycling depot operated by the TLTI staff and serviced by E360.

3.7 Phasing of Site Usage

We understand that waste at the site is compacted using a CAT compactor and covered with sand fill bi-weekly. Between bi-weekly compaction events, TLTI personnel apply cover material from an on-site stockpile so that cover is applied weekly. Cover material is brought in from off-site.

3.8 Site Inspections

Daily site inspections were undertaken at the Site (Appendix F). The following comments were noted:

- windblown litter was reported frequently along the boundaries of the Site and entranceway.
- animals (birds, cats, rodents) were occasionally reported present around the Site.
- some ponded water was observed immediately after rainfall.

Malroz undertook inspections of the Site on April 15 and October 21, 2021 (Appendix G). The following observations were made:

- Minor localized ponding of water in rutting at the base of brush stockpile.
- Windblown litter is a continued concern; however, attendants have reportedly been cleaning up the litter periodically.
- The interior of the attendant shed was monitored for combustible and organic vapours. Combustible gas concentrations were below the detectable limit of the instrument, in the spring and in the fall. Organic vapours were below the detectable limits of the instrument in the spring and were detected at 103 ppm in the fall however it is noted that this measurement is potentially due to moisture from precipitation impacting the PID sensor.

3.9 Record of Complaints

The TLTI reportedly did not receive any complaints from residents in 2021.

3.10 Record Keeping

Field notes and Site records are maintained at the Township offices, 1233 Prince Street, Lansdowne, Ontario.

3.11 Remaining Site Capacity

The maximum volumetric capacity approved for the Site is 85,600 m³ as reported in the ECA Section 7(4). This volume includes the waste, daily cover, intermediate cover and final cover. The volume does not include historical volume of waste deposited prior to May 2003 within the 1.5 hectare area of the former landfill (see Figure 2a and 2b).

In December 2021, Malroz conducted a capacity survey at the Site. The survey identified a total of 1,338 m³ of waste was deposited in 2021, which is lower than prior year average waste volumes. The active waste area for the Site was moved to the north and east during 2020 and 2021 and, based on observations from Malroz field staff, it appears that waste material has been moved and graded around the active fill areas. The low volume of deposited waste in 2021, relative to previous years, may be the result of the movement and compaction of waste during 2021. The volume of deposited waste for 2021 has been excluded from calculations of the average rate of fill used to determine remaining site capacity.

According to the 2016 BluMetric survey, and considering the amount deposited from 2017 to 2021, the total volume of waste deposited at the Site is approximately 32,582 m³, with a remaining capacity of 53,018 m³. Based on the approved capacity of the Site, as reported in the ECA, and using an average rate of fill of 1,720 m³ per year (average based on 2017-2019), the estimated remaining capacity of the site is approximately 31 years.

4.0 Description of Monitoring Program

Groundwater and surface water monitoring are conducted on a semi-annual basis in the spring and fall, in accordance with the ECA. Results of the environmental monitoring are reported to the MECP on an annual basis by March 31 of the year following the reporting period. The current monitoring plan for the Site utilizes the Ontario Drinking Water Standards (ODWS) to assess groundwater conditions and Provincial Water Quality Objectives (PWQO) to assess surface water conditions.

Field work for the 2021 monitoring program was conducted during the spring (April 14-16) and fall (October 20-21). Groundwater and surface water programs are detailed in Sections 4.1 and 4.2 below.

4.1 Groundwater Monitoring Program

The 2021 groundwater monitoring and sampling program consisted of sampling 16 overburden monitoring wells and four bedrock monitoring wells (see Appendix H, and Figure 2a and 2b, Appendix B). In addition to the on-site and off-site monitoring wells, Malroz collected a groundwater sample from the residential well at 151 Fortune Line Road in December 2021. Samples are typically collected from the residential well at 122 Turk Rock Road however access was not provided during the spring and fall sample events.

Groundwater monitoring was conducted prior to sampling at each of the wells included in the groundwater sampling program. Monitoring included measurement of combustible and organic headspace vapours, depth to water, depth to well bottom, and visual and olfactory evaluation of the groundwater during sample purging.

Methane concentrations were calculated based the difference between full gas response and responses in methane elimination mode using an RKI Eagle 2 combustible gas indicator.

4.2 Surface Water Monitoring Program

The surface water monitoring program includes collecting samples at three active surface water sampling stations located along the adjacent tributary to Morton Creek: SW1, SW4 and SW5 (see Figure 2a and 2b, Appendix B). A description of the surface water monitoring program is provided in Appendix H.

4.3 Variations in Monitoring and Reporting and PFAS Sampling

In 2021, Malroz followed the groundwater and surface water programs as specified in the ECA with the following variations:

- Overburden monitoring wells OW19 and OW22 were not sampled during the fall due to an insufficient volume of water.
- Sampling of the drinking water well located at 122 Turk Rock Road could not be completed during the regularly scheduled spring or fall events due lack of access provided by the property owner.
- Samples were collected at OW23 and OW24R01 using low flow methods during the fall event in 2021 and were submitted to ALS Laboratory Group (ALS) for analyses of PFAS compounds.

- A sample was collected from drinking water well located at 151 Fortune Line Road in December 2021 and was submitted to ALS for analyses of PFAS compounds.

4.4 Data Quality Evaluation

Samples were collected using laboratory supplied sample bottles containing preservatives appropriate for each parameter. Samples were submitted to Caduceon Laboratories (Caduceon) and/or ALS Environmental (ALS) for analyses. Caduceon and ALS are Canadian Association for Laboratory Accreditation (CALA) accredited laboratories that use MECP recognized methods to conduct laboratory analyses. Caduceon's and ALS's QA/QC program included matrix spikes, method blanks, and replicate analyses.

5.0 Discussion of Results

Results of the 2021 groundwater and surface water programs are presented below. Analytical results have been compared to ODWS to assess groundwater conditions and PWQO to assess surface water conditions and any observed exceedances are highlighted.

5.1 Well Inspection

Well inspections were undertaken by Malroz during the April and October 2021 sampling events. Well inspections included a visual inspection of accessible portions of the well piezometer, casing, cap, lock, and well seal at each monitoring well. Based on the inspections, and as of October 14, 2021, wells classified as described below:

- Good – the well is in good condition with no maintenance required.
- Fair – exhibits some minor deficiencies, however well integrity is not compromised.
- Poor – well integrity is compromised and the well requires maintenance or abandonment.

Malroz staff installed a reflective flag adjacent to well OW24 during the 2020 sampling events to improve visibility and assist agricultural vehicle operators in navigating around the well. Despite this effort, OW24 was found to be damaged and not able to be monitored or sampled in the spring of 2021. OW24 was subsequently abandoned and replaced by OW24R01 in July 2021.

Results from the well inspections are summarized in Table 2 (Appendix C). Monitoring wells at the Site were observed to be in compliance with O. Reg. 903, or where not, were arranged to be repaired.

5.2 Landfill Gas and Water Level Monitoring

Results from groundwater monitoring are presented in Table 3 (Appendix C) and inferred groundwater contours for the shallow and deep groundwater units at the Site are presented in Figures 4 and 5 (Appendix B).

Methane concentrations were not detected during monitoring, with the following exceptions:

- OW19 was reported at >100% of the lower explosive limit (LEL) during spring and fall sampling events, and OW22 was reported at 1% of the LEL during the fall event. OW19 and OW22 are located downgradient of the active fill area, adjacent to the recycling area.
- Lower concentrations of combustible gases (<1% of the LEL) were detected at OW6R1, OW7R1, OW1, OW24R01 and BW1 during the spring and/or fall sampling events.

5.3 Leachate Indicating Parameters Assessment

Concentrations of the analyzed parameters detected in OW19 and OW22, located adjacent to and downgradient of the active waste area, were compared to the 75th percentile of historic data at OW20. A recalculation of the parameters to include the 2021 data was not completed because OW19 was dry for the last three sampling events and OW22 was dry during fall 2021. This will be re-evaluated in 2022. Parameters exceeding the 75th percentile of background by 50% or more in both OW22 and OW19 are inferred to be representative of leachate and are listed below:

- Alkalinity
- Ammonia
- DOC
- Conductivity
- Hardness
- TDS
- TKN
- Chloride
- Aluminum
- Boron
- Calcium
- Iron
- Manganese
- Potassium
- Sodium
- Strontium

Concentrations of many of these parameters in groundwater are commonly influenced by background conditions, including geologic formations and anthropogenic sources, and therefore may be subject to variability across the Site. For the purposes of aiding interpretation, a reduced set of leachate indicating parameters (LIPs) have been selected which includes: ammonia, boron, conductivity, chloride, dissolved organic carbon (DOC), and iron.

5.4 Overburden Groundwater Evaluation

Overburden groundwater chemistry results are presented in Table 4a (Appendix C). The groundwater chemistry at the Site is characterized by 16 overburden wells.

5.4.1 Background Groundwater Quality

Monitoring well OW21 was previously used (prior to 2018) to assess background groundwater quality at the site. OW21 is located downgradient from the pit and has historically exhibited elevated concentrations of nitrates indicating potential impacts from the pit or nearby agricultural activities. Given the potential for groundwater impacts due quarry operations at OW21, we have used monitoring well OW20, located in an agricultural field and up-gradient from the waste mound, to assess background groundwater quality. The background overburden groundwater exhibited elevated concentrations of COD (spring only), TSS, and total phosphorus (spring only), which may be related to agricultural activities.

The drilling contractor reports that OW20 was cored approximately 3 feet into bedrock and screened across overburden and bedrock units (see Section 4.4 and Appendix D). We do not anticipate that the installation details of OW20 will impact its suitability as a background monitoring well for the Site.

5.4.2 Downgradient Overburden Groundwater Quality

The following exceedances of the ODWS were reported in 2021. With the exception of nitrate (a health-based parameter), these exceedances represent aesthetic objectives or operational guidelines and are not indicative of a threat to human health. Background well OW20 exceeded the OWDS for hardness during spring and fall sampling events.

<u>Parameter</u>	<u>Spring</u>	<u>Fall</u>
Alkalinity	OW15-S, OW22	OW15-S, OW15-D
Aluminum	OW22	none
DOC	OW22	OW7R1
Hardness	All wells sampled	All wells sampled

Iron	OW7R1, OW15-S, OW15-D	OW7R1, OW15-S, OW15-D, OW24R01
Manganese	OW7R1, OW15-D, OW22,	OW7R1, OW17, OW15-D
Nitrate	OW22	none
TDS	OW1, OW6R1, OW7R1, OW15-S, OW15-D, OW22,	OW1, OW6R1, OW7R1, OW15-S, OW15-D, OW17,

Historical overburden analytical results are presented in Appendix K, and trend graphs for LIPs are presented in Appendix L.

Trend analysis of former landfill area/cross-gradient wells

Concentrations of LIPs (chloride and conductivity) in monitoring wells L2, L11, and OW1, located cross-gradient and proximal to the former landfill are elevated compared to background. Given the proximity of these wells to Turk Rock Road, we infer that road salting is impacting the groundwater at these locations. Concentrations of other LIPs (iron and ammonia) are generally consistent with background conditions except for at L11 which shows some periodic variability of ammonia. Concentrations of LIPs (DOC and boron) are generally consistent with background conditions but periodically show some variability. Trend graphs of LIPs in the former landfill area suggest that this area is relatively stable, and reduced monitoring in this area should be considered.

Trend analysis of off-site/north and down-gradient wells

Results from OW6R1 and OW7R1, located north and downgradient of the waste fill area, indicate that concentrations of LIPs are elevated compared to background, and leachate appears to be present in these wells. Concentrations of LIPs boron, DOC, and iron at OW6R1 and OW7R1 are generally lower than at leachate well OW22 in the spring (OW22 dry during fall event and leachate well OW19 dry during both sample events), suggesting that attenuation is occurring in the marsh area downgradient and north of the Site. Concentrations of other LIPs chloride and conductivity, were similar to concentrations at OW22. Given the proximity of OW6R1 and OW7R1 to adjacent roads, elevated chloride and conductivity concentrations may be the result of road salting operations.

Monitoring wells OW17 and OW18, located the north of the unnamed tributary to Morton Creek, exhibited slightly elevated concentrations of LIPs (ammonia, iron, boron, conductivity, and chloride) when compared to the background during one or both sample events. Our conceptual understanding of this area, based on groundwater elevations measured at OW17 and OW18 since 2017, is that that groundwater flows

southerly towards the unnamed stream. Based on our conceptual understanding of this area, slightly elevated concentrations of LIPs at OW17 and OW18 appear to be the result of agricultural activities, and not related to leachate from the WDS.

Elevated concentrations of LIPs (ammonia, conductivity, chloride, boron, and iron) are present northwest of the Site at OW15-S and /or OW15-D. However, concentrations of these LIPs (with the exception of iron) were lower when compared to those at leachate well OW22 during the spring 2021 event (dry during the fall 2021 event and other leachate well OW19 dry during both 2021 sample events), suggesting that attenuation is occurring downgradient from the waste mound.

Concentrations of LIPs (ammonia, DOC, chloride, boron, and iron) at OW24R01 (in the fall – well not sampled in the spring due to being damaged), located northwest of OW15-S, are slightly elevated when compared to background well OW20. However, concentrations of LIPs at OW24R01 are generally lower than historical analytical results from the residential well at 151 Fortune Line Road (see Appendix K). Given that concentrations of LIPs at OW24R01 are generally lower than 151 Fortune Line Road, and that the inferred direction of groundwater flow at OW24R01 is southward towards the unnamed stream, it appears that the elevated concentrations of LIPs at OW24R01 are not related to leachate.

Results from 2021 continue to indicate that leachate is migrating to the north and to a lesser extent to the west from the Site within the overburden, and likely discharging to surface water features. Newly installed monitoring well OW24R01 indicates a southerly component to groundwater flow north of the unnamed creek, supporting the conceptual understanding that shallow groundwater discharges to the creek.

5.5 Bedrock Groundwater Evaluation

Groundwater chemistry results from bedrock and residential wells are presented in Table 4b (Appendix C). Bedrock groundwater quality at the Site is characterized by wells BW1 (proximal to the fill area), BW2-S (upgradient), BW2-D (upgradient), and L10 (within the former landfill).

Malroz identifies the bedrock wells at the Site as being installed in two distinct geologic units. Based on water well records, BW1 is screened in metasedimentary rock at a depth of 24 meters, and BW2-S and BW2-D are screened in granitic gneiss at depths of 12 and 24 meters respectively. Based on mapping by the Ontario Geological Survey (OGS, 2011), well L10 is inferred to be installed into granitic gneiss, however well records are not available for this location to confirm well construction details.

The conceptual site model suggests a downward vertical gradient in the area of the WDS (wells L10/L11), and an upwards gradient (wells OW15-S/D) near the unnamed tributary of Morton Creek.

5.5.1 Background Bedrock Groundwater Quality

BW2-S/D is located up-gradient of the Site and may represent background bedrock groundwater conditions. BW2-S exhibited elevated levels of hardness and TDS which exceed the ODWS, and nitrate which is approaching the ODWS limit. However elevated concentrations of these parameters may be caused by nearby agricultural or aggregate activities, and/or the natural composition of the bedrock.

5.5.2 Downgradient Bedrock Groundwater Quality

BW1, located downgradient and adjacent to active and former waste fill areas, exhibited elevated concentrations of LIPs (DOC and boron) when compared to BW2-S/D (background). Bedrock well L10, located in the area of the former fill area, exhibited elevated concentrations of LIPs DOC, conductivity, chloride and boron when compared to background.

The following exceedances of the ODWS were reported in 2021.

<u>Parameter</u>	<u>Spring</u>	<u>Fall</u>
Alkalinity	L10	L10
DOC	L10	L10
Hardness	BW1, BW2-D, BW2-S, L10	BW1, BW2-D, BW2-S, L10
Iron	BW1, L10	BW1, L10
Manganese	BW1, L10	BW1, L10
Sodium	151 Fortune Line Rd.	151 Fortune Line Rd.
TDS	BW2-S, L10, 151 Fortune Line Rd.	BW2-S, L10, 151 Fortune Line Rd.

These ODWS exceedances represent aesthetic objectives or operational guidelines.

Historical bedrock analytical results are presented in Appendix K, and trend graphs for LIPs are presented in Appendix L.

5.5.3 Residential Well Results

Groundwater samples are typically collected from the residential well at 122 Turk Rock Road however access was not provided during either of the 2021 spring or fall sampling events. A sample was collected from the residential well at 151 Fortune Road in December 2021. The reported sodium and TDS concentrations were elevated compared to background and exceeded the ODWS however it is expected that this not

related to landfill activities given that the sample was collected after the point of treatment (water softening). The reported DOC concentration was elevated when compared to background. Concentrations of other LIPs were similar to background.

5.6 Volatile Organic Compound Analyses

Results from the VOC analyses met the ODWS criteria (Table 5, Appendix C). Detectable concentrations of 1,1-dichloroethane, cis-1,2-Dichloroethylene/ethene and isopropylbenzene were reported in samples collected from L10 in the spring and/or fall of 2021.

Measurable concentrations of VOC parameters have historically been identified at monitoring wells L10, OW15-S, OW15-D, OW19, and OW22 at levels below the ODWS. VOC parameters inferred to be the result of leachate have not been detected at other wells. In accordance with the MECP 2018 AMR review and further agreed to in the MECP 2020 review, a reduction of VOC analyses to include only wells where VOCs have historically been detected should be considered.

5.7 PFAS Analyses

PFAS are a group of anthropogenic chemicals and are commonly associated with solid waste and identified in landfill leachate. Sampling for PFAS was conducted in February, October and December.

Results of the PFAS analyses at OW24R01 (the northwest compliance monitoring well) indicated concentrations of a sum of PFAS compounds to exceed (but still within the same order of magnitude) the MECP Drinking Water Screening Values for Perfluorinated Chemicals (DWSVPC) (see Table 9 in Appendix C).

Results from the sampled residential supply well at 151 Fortune Line Road and the westernmost compliance monitoring well (OW23) meet the Health Canada PFAS Screening Values and MECP Drinking Water Screening Values for Perfluorinated Chemicals.

Note that while reported values for individual PFOS and PFOA compounds (two compounds included in PFAS group of chemicals) were below laboratory detection limits, a calculation was used based on the additivity principle per the Health Canada Guidelines for Canadian Drinking Water Quality (2018). This conservative approach resulted in combined concentration of PFOA and PFOS analytes above the detection limit.

The PFAS data in conjunction with the LIPs and groundwater flow support the delineation of the proposed western CAZ shown on Figure 2a.

5.8 Reasonable Use Policy

The amended ECA (August 20, 2015) states that the Site is to follow the Ministry Guideline B-7 “Incorporation of the Reasonable Use Concept into MOEE Groundwater Management Activities” to assess groundwater quality. Reasonable Use Limits (RULs) are calculated for the analyzed parameters using background groundwater concentrations and corresponding drinking water standards (refer to Table 6a, Appendix C). Overburden well OW20 was used to calculate RULs applied to compliance wells OW1, OW18, and OW24/OW24R01. Bedrock well BW2-S was used to calculate bedrock RULs, which were applied to the residential well 151 Fortune Line sampled in December 2021. Typically RULs are applied to the residential well at 122 Turk Rock Road however access was not provided by the owner/resident during the 2021 sampling events.

Exceedances of the following overburden RULs were observed in 2021:

<u>Parameter</u>	<u>Spring</u>	<u>Fall</u>
Alkalinity	OW1	none
Aluminum	OW1	OW1
Barium	OW1	OW1
Chloride	OW1	OW1
Hardness	OW1, OW18	OW1, OW18, OW24R01
Iron	none	OW24R01
Manganese	none	OW24R01
Nitrate	OW18	None
TDS	OW1, OW18	OW1

Exceedances of overburden RULs for chloride at monitoring well OW1, and iron at monitoring well OW24R01 may be leachate related. Though the groundwater elevation at OW24R01 indicated a gradient towards the landfill rather than towards the well which indicates the well is not influenced by the landfill. Furthermore, other LIPs at OW1 and OW24R01 met the RUL criteria, which suggests that a non-leachate source may be influencing groundwater quality. Exceedances of RULs for alkalinity, aluminum, barium,

hardness, iron, nitrate, and TDS may be the result of outside factors such as background inputs, clay soils, agricultural activities, and/or quarrying, and are not expected to be leachate related. Groundwater should continue to be monitored at these locations and compared to RULs in future reports.

Exceedances of bedrock RULs for DOC, TDS and sodium were reported at the residential well at 151 Fortune Line Road. Elevated concentrations of DOC and TDS are inferred to be due to the on-site water treatment system. DOC is marginally above the RUL however is still below the ODWS. Furthermore, the well was observed to meet the Health Canada and MECP PFAS criteria. Groundwater should continue to be monitored at the residential locations and compared to the RULs in future reports.

In our opinion the Site reasonably conforms to MECP Guideline B-7, based on the inclusion of proposed CAZ lands to the north and west of the Site (Figure 2a and 2b, Appendix A) and the conceptual model continues to suggest groundwater discharges to the surface water. Based on the 2021 analyses, the existing and proposed CAZ areas appear adequate.

5.9 Surface Water Evaluation

Results of the surface water analyses are presented in Table 8 (Appendix C). Surface water chemistry has been compared to the Provincial Water Quality Objectives (PWQO) and the Table A: Assessment Criteria for Waste Disposal Sites and Table B: Canadian Water Quality Guidelines (CWQG) criteria described in the MECP 2010 guidance document for Monitoring and Reporting for Waste Disposal Sites.

The Table A Assessment Criteria for Waste Disposal Sites presented in the MECP landfill guidance document (MOE 2010) includes Aquatic Protection Values (APVs) and other Criteria that reportedly represent the lowest chronic concentration for which adverse effects have been noted in the literature. The Table B Alternative Review Criteria are based on selected 2007 Canadian Water Quality Guidelines (CWQGs) and have a similar intent to Table A criteria. The CWQGs have been developed for the protection of marine and freshwater species.

Differences between the Table A and Table B criteria for certain parameters (i.e. zinc, chloride) may be due to differences in literature cited that relate to the scope of protection (freshwater species only versus freshwater and marine species). The PWQO, Table A, and Table B values may also vary as a result of the age of the criteria. The Table A (2010) and Table B (2007) values are often based on scientific literature that is more recent than the PWQO (1994).

The surface water analyses at the Site are characterized by three sampling stations: SW1, SW4 and SW5. Descriptions of the surface water stations and conditions at the time of sampling are provided in Table 7 (Appendix C). Surface Water station SW1 is located upstream of the Site, adjacent to Turk Rock Road, and was used to characterize the surface water background conditions for the Site. SW1 was improved in 2019 and receives drainage water from the field to the northeast. SW4 and SW5 are located downstream of the Site, approximately 200 m and 400 m west of the Site, respectively.

Background station SW1 exhibited elevated levels of total phosphorous, and iron exceeding the PWQO during one or more sampling events in 2021.

SW4 and SW5 exceeded the PWQO reference criteria for total phosphorus, iron, and zinc during at least one sampling event in 2021. Concentrations of these parameters were below the Table A and Table B criteria, where applicable.

Historical surface water data is presented in Appendix K, and surface water chemistry trend graphs are presented in Appendix L. Trend graphs indicate that concentrations of LIPs at downstream surface water stations SW4 and SW5 are generally stable and similar to background station SW1. Historical results suggest that leachate has little to no impact on the surface water quality at or beyond SW5.

6.0 Conclusions & Recommendations

The Briar Hill WDS is an active site currently accepting non-hazardous solid waste. The Briar Hill WDS operated in compliance with the ECA in 2021. Based on the approved capacity of the site and the volume of waste deposited to date, the landfill has an estimated lifespan of 31 years.

The Site is subject to Ministry Guideline B-7. Water level monitoring results indicate a general north-westerly groundwater flow direction in the overburden. Analytical groundwater results from 2021 indicate that leachate is migrating to the northwest from the Site, and wells south of the unnamed stream (located north of the Site) such as OW6R1, OW7R1 and OW15S/D, exceeded one or more RULs. However as evidenced by trends analysis, attenuation of leachate appears to be occurring in wells north and west of the Site, and leachate impacted groundwater does not appear to be migrating beyond the unnamed stream, likely as a result of groundwater discharge to the stream.

Exceedances of RULs at wells north of the Site indicates the potential for leachate impacts to the unnamed stream. However, surface water results at sampling locations

downstream of the Site indicate that concentrations of LIPs are generally similar to background conditions, suggesting that leachate is not significantly impacting the surface water downstream of the Site.

The following recommendations are offered:

1. Monitoring should continue twice per year, in conformance with the ECA.
2. In consultation with the MECP, we recommend application to the director to amend the annual monitoring program to reduce the scope of required VOC analyses to include only wells where VOCs have historically been detected (L10, OW15-S, OW15-D, OW19, and OW22). VOC analyses is recommended to be reduced to annually in the spring. The MECP review of the 2020 AMR also agrees with this recommended change to the monitoring program.
3. As endorsed by the MECP technical reviewer in the February 12, 2020 review of 2015-2018 AMRs, we recommend application to the director to amend the annual monitoring program to reduce the sampling frequency at wells L2, L10, and L11 to annually. The MECP review of the 2020 AMR also agrees with this recommended change to the monitoring program.
4. Continue to add the residential well at 122 Turk Rock Road to future spring and fall groundwater sampling programs.
5. Per MECP review of the 2020 AMR, add residential well at 151 Fortune Line Road to future spring and fall groundwater sampling programs.
6. Acquire the property or groundwater rights west of the site for CAZ lands, and apply to have the ECA amended to recognise lands to the north and west of the site as CAZ lands. This is further supported by the MECP review of the 2020 AMR.
7. Preparation of a closure plan for the Site. Further supported by the MECP review of the 2020 AMR.
8. Consideration of a re-scoped monitoring program and development of a trigger mechanism with the closure plan. Further supported by the MECP review of the 2020 AMR.

7.0 References

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Appendix A
Amended Environmental Compliance
Approval No. A442103

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER A442103

Issue Date: August 20, 2015

The Corporation of the Township of Leeds and the Thousand Islands
1233 Prince St Lansdowne
Post Office Box, No. 280
Leeds and the Thousand Islands, Ontario
K0E 1L0

Site Location: Briar Hill Landfill Site, Ward 2, Township of Leeds and the Thousand Islands
Lot 18, Concession 11
Leeds and the Thousand Islands Township, United Counties of Leeds and Grenville

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

the use and operation of 2.4 hectare waste disposal/transfer site within a total site area of 16 hectares.

For the purpose of this environmental compliance approval, the following definitions apply:

"Approval " means this Environmental Compliance Approval and any Schedules to it, including the application and supporting documentation listed in Schedule "A";

"Contaminating Life Span" means contaminating life span as defined in Ontario Regulation 232/98;

"Director" means any *Ministry* employee appointed in writing by the Minister pursuant to section 5 of the EPA as a Director for the purposes of Part II.1 of the *EPA*;

"District Manager" means the District Manager of the local district office of the *Ministry* in which the *Site* is geographically located;

"EPA " means *Environmental Protection Act* , R.S.O. 1990, c. E. 19, as amended;

"Ministry" means the Ministry of the Environment and Climate Change;

"NMA " means *Nutrient Management Act* , 2002, S.O. 2002, c. 4, as amended;

"Ontario Drinking Water Quality Standards" means Ontario Regulation 169/03 (Ontario Drinking

Water Quality Standards) as amended;

"*Operator*" means any person, other than the *Owner's* employees, authorized by the *Owner* as having the charge, management or control of any aspect of the *Site* and includes its successors or assigns;

"*Owner*" means any person that is responsible for the establishment or operation of the *Site* being approved by this *Approval*, and includes the Corporation of the Township of Leeds and the Thousand Islands and its successors and assigns;

"*OWRA* " means the *Ontario Water Resources Act* , R.S.O. 1990, c. O.40, as amended;

"*PA* " means the *Pesticides Act* , R.S.O. 1990, c. P-11, as amended;

"*Provincial Officer*" means any person designated in writing by the Minister as a provincial officer pursuant to Section 5 of the *OWRA*, Section 5 of the *EPA*, Section 17 of the *PA*, Section 4 of the *NMA*, or Section 8 of the *SDWA*;

"*Refrigerant Appliances*" means household appliances which use, or may use refrigerants, and which include, but is not restricted to, refrigerators, freezers and air-conditioning systems;

"*Regional Director* " means the Regional Director of the local Regional Office of the *Ministry* in which the *Site* is located;

"*Regulation 347* " or "*Reg. 347* " means Regulation 347, R.R.O. 1990, made under the *EPA*, as amended;

"*SDWA*" means *Safe Drinking Water Act*, 2002, S.O. 2002, c. 32, as amended;

"*Site* " means the entire waste disposal site, including the buffer lands, and contaminant attenuation zone at Briar Hill Landfill Site, Ward 2, Township of Leeds and the Thousand Islands, Lot 18, Concession 11, Leeds and the Thousand Islands Township, United Counties of Leeds and Grenville; and

"*Trained Personnel*" means personnel knowledgeable in the following through instruction and/or practice:

- a. relevant waste management legislation, regulations and guidelines;
- b. major environmental concerns pertaining to the waste to be handled;
- c. occupational health and safety concerns pertaining to the processes and wastes to be handled;
- d. management procedures including the use and operation of equipment for the processes and wastes to be handled;
- e. emergency response procedures;
- f. specific written procedures for the control of nuisance conditions;
- g. specific written procedures for refusal of unacceptable waste loads; and
- h. the requirements of this *Approval*.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and

conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL

Compliance

- (1) The *Owner* and *Operator* shall ensure compliance with all the conditions of this *Approval* and shall ensure that any person authorized to carry out work on or operate any aspect of the *Site* is notified of this *Approval* and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
- (2) Any person authorized to carry out work on or operate any aspect of the *Site* shall comply with the conditions of this *Approval*.

In Accordance

- (3) Except as otherwise provided by this *Approval*, the *Site* shall be designed, developed, built, operated and maintained in accordance with the documentation listed in the attached Schedule "A".

Interpretation

- (4) Where there is a conflict between a provision of any document listed in Schedule "A" in this *Approval*, and the conditions of this *Approval*, the conditions in this *Approval* shall take precedence.
- (5) Where there is a conflict between the application and a provision in any document listed in Schedule "A", the application shall take precedence, unless it is clear that the purpose of the document was to amend the application and that the *Ministry* approved the amendment.
- (6) Where there is a conflict between any two documents listed in Schedule "A", the document bearing the most recent date shall take precedence.
- (7) The conditions of this *Approval* are severable. If any condition of this *Approval*, or the application of any condition of this *Approval* to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this *Approval* shall not be affected thereby.

Other Legal Obligations

- (8) The issuance of, and compliance with, this *Approval* does not:
- (a) relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement; or
 - (b) limit in any way the authority of the *Ministry* to require certain steps be taken or to require the *Owner* and *Operator* to furnish any further information related to compliance with this *Approval*.

Adverse Effect

- (9) The *Owner* and *Operator* shall take steps to minimize and ameliorate any adverse effect on the natural environment or impairment of water quality resulting from the *Site*, including such accelerated or additional monitoring as may be necessary to determine the nature and extent of the effect or impairment.
- (10) Despite an *Owner*, *Operator* or any other person fulfilling any obligations imposed by this *Approval* the person remains responsible for any contravention of any other condition of this *Approval* or any applicable statute, regulation, or other legal requirement resulting from any act or omission that caused the adverse effect to the natural environment or impairment of water quality.

Change of Ownership

- (11) The *Owner* shall notify the *Director*, in writing, and forward a copy of the notification to the *District Manager*, within 30 days of the occurrence of any changes in the following information:
- (a) the ownership of the *Site*;
 - (b) the *Operator* of the *Site*;
 - (c) the address of the *Owner* or *Operator*; and
 - (d) the partners, where the *Owner* or *Operator* is or at any time becomes a partnership and a copy of the most recent declaration filed under the *Business Names Act*, R. S. O. 1990, c. B.17, shall be included in the notification.
- (12) No portion of this *Site* shall be transferred or encumbered prior to or after closing of the *Site* unless the *Director* is notified in advance and sufficient financial assurance is deposited with the *Ministry* to ensure that these conditions will be carried out.
- (13) In the event of any change in ownership of the *Site*, other than change to a successor municipality, the *Owner* shall notify the successor of and provide the successor with a copy of this *Approval*, and the *Owner* shall provide a copy of the notification to the *District Manager* and the *Director*.

Registration on Title Requirement

- (14) Prior to dealing with the property in any way, the *Owner* shall provide a copy of this *Approval*

and any amendments, to any person who will acquire an interest in the property as a result of the dealing.

- (15) (a) Within thirty (30) calendar days from the date of issuance of this *Approval*, the *Owner* shall submit to the *Director* a completed Certificate of Requirement which shall include:
- (i) a plan of survey prepared, signed and sealed by an Ontario Land Surveyor, which shows the area of the *Site* where waste has been or is to be deposited at the *Site*;
 - (ii) proof of ownership of the *Site*;
 - (iii) a letter signed by a member of the Law Society of Upper Canada or other qualified legal practitioner acceptable to the *Director*, verifying the legal description provided in the Certificate of Requirement;
 - (iv) the legal abstract of the property; and
 - (v) any supporting documents including a registerable description of the *Site*.
- (b) Within fifteen (15) calendar days of receiving a Certificate of Requirement authorized by the *Director*, the *Owner* shall:
- (i) register the Certificate of Requirement in the appropriate Land Registry Office on the title to the property; and
 - (ii) submit to the *Director* written verification that the Certificate of Requirement has been registered on title.

Inspections by the Ministry

- (16) No person shall hinder or obstruct a *Provincial Officer* from carrying out any and all inspections authorized by the *OWRA*, the *EPA*, the *PA*, the *SDWA* or the *NMA*, of any place to which this *Approval* relates, and without limiting the foregoing:
- (a) to enter upon the premises where the approved works are located, or the location where the records required by the conditions of this *Approval* are kept;
 - (b) to have access to, inspect, and copy any records required to be kept by the conditions of this *Approval*;
 - (c) to inspect the *Site*, related equipment and appurtenances;
 - (d) to inspect the practices, procedures, or operations required by the conditions of this *Approval*; and
 - (e) to sample and monitor for the purposes of assessing compliance with the terms and conditions of this *Approval* or the *EPA*, the *OWRA*, the *PA*, the *SDWA* or the *NMA*.

Information and Record Retention

- (17) (a) Except as authorized in writing by the *Director*, all records required by this *Approval* shall be retained at the *Site* for a minimum of two (2) years from their date of creation.
- (b) The *Owner* shall retain all documentation listed in Schedule "A" for as long as this *Approval* is valid.
- (c) All monthly summary reports are to be kept at the *Site* until they are included in the Annual

Report.

- (d) The *Owner* shall retain employee training records as long as the employee is working at the *Site*.
 - (e) The *Owner* shall make all of the above documents available for inspection upon request of *Ministry* staff.
- (18) The receipt of any information by the *Ministry* or the failure of the *Ministry* to prosecute any person or to require any person to take any action under this *Approval* or under any statute, regulation or other legal requirement, in relation to the information, shall not be construed as:
- (a) an approval, waiver, or justification by the *Ministry* of any act or omission of any person that contravenes any term or condition of this *Approval* or any statute, regulation or other legal requirement; or
 - (b) acceptance by the *Ministry* of the information's completeness or accuracy.
- (19) The *Owner* shall ensure that a copy of this *Approval*, in its entirety and including all its Notices of Amendment, and documentation listed in Schedule "A", are retained at the *Site* at all times.
- (20) Any information related to this *Approval* and contained in *Ministry* files may be made available to the public in accordance with the provisions of the Freedom of Information and Protection of Privacy Act, RSO 1990, CF-31.

2. SITE OPERATION

Operation

- (1) The *Site* shall be operated and maintained at all times including management and disposal of all waste, in accordance with the *EPA, Regulation 347*, and the conditions of this *Approval*. At no time shall the discharge of a contaminant that causes or is likely to cause an adverse effect be permitted.

Signs

- (2) A sign shall be installed and maintained at the main entrance/exit to the *Site* on which is legibly displayed the following information:
- (a) the name of the *Site* and *Owner*;
 - (b) the number of the *Approval*;
 - (c) the name of the *Operator*;
 - (d) the normal hours of operation;
 - (e) the allowable and prohibited waste types;
 - (f) the telephone number to which complaints may be directed;
 - (g) a warning against unauthorized access;
 - (h) a twenty-four (24) hour emergency telephone number (if different from above); and
 - (i) a warning against dumping outside the *Site*.

- (3) The *Owner* shall install and maintain signs to direct vehicles to working face and recycling areas.
- (4) The *Owner* shall provide signs at the recycling area informing users what materials are acceptable and directing users to appropriate storage areas.

Vermin, Vectors, Dust, Litter, Odour, Noise and Traffic

- (5) The *Site* shall be operated and maintained such that the vermin, vectors, dust, litter, odour, noise and traffic do not create a nuisance.

Burning Waste Prohibited

- (6) (a) Burning of waste at the *Site* is prohibited.
- (b) Notwithstanding Condition 2. (6) (a) above, burning of segregated, clean wood and brush at the landfill may be carried out in strict compliance with the Ministry of the Environment Document titled "Guideline C-7, Burning at Landfill Sites" dated April 1994.

Site Access

- (7) Waste shall only be accepted on during the following time periods:

Monday	8:30 a.m. - 4:45 p.m.
Wednesday	8:30 a.m. - 4:45 p.m.
Thursday	8:30 a.m. - 4:45 p.m.
Saturday	8:30 a.m. - 4:45 p.m.
- (8) On-site equipment used for daily site preparation and closing activities may be operated one (1) hour before and one (1) hour after the hours of operation approved by this *Approval*.
- (9) With the prior written approval from the *District Manager*, the time periods may be extended to accommodate seasonal or unusual quantities of waste.

Site Security

- (10) No waste shall be received, landfilled or removed from the *Site* unless a site supervisor or an attendant is present and supervises the operations during operating hours. The *Site* shall be closed when a site attendant is not present to supervise landfilling operations.
- (11) The *Site* shall be operated and maintained in a safe and secure manner. During non-operating hours, the *Site* entrance and exit gates shall be locked and the *Site* shall be secured against access by unauthorized persons.

Stormwater Management

- (12) The *Site* shall be maintained to prevent erosion or washing of fill, liner or cover material. Regular grading shall be carried out to drain rain water from fill areas and to prevent standing water.

3. EMPLOYEE TRAINING

- (1) A training plan for all employees that operate any aspect of the *Site* shall be developed and implemented by the *Owner* or the *Operator*. Only *Trained Personnel* shall operate any aspect of the *Site* or carry out any activity required under this *Approval* .

4. COMPLAINTS RESPONSE PROCEDURE

- (1) If at any time the *Owner* receives complaints regarding the operation of the *Site*, the *Owner* shall respond to these complaints according to the following procedure:
 - (a) The *Owner* shall record and number each complaint, either electronically or in a log book, and shall include the following information: the nature of the complaint, the name, address and the telephone number of the complainant if the complainant will provide this information and the time and date of the complaint;
 - (b) The *Owner*, upon notification of the complaint, shall initiate appropriate steps to determine possible causes of the complaint, proceed to take the necessary actions to eliminate the cause of the complaint and forward a formal reply to the complainant; and
 - (c) The *Owner* shall complete and retain on-site a report written within one (1) week of the complaint date, listing the actions taken to resolve the complaint and any recommendations for remedial measures, and managerial or operational changes to reasonably avoid the recurrence of similar incidents.

5. EMERGENCY RESPONSE

- (1) All Spills as defined in the *EPA* shall be immediately reported to the **Ministry's Spills Action Centre at 1-800-268-6060** and shall be recorded in the log book as to the nature of the emergency situation, and the action taken for clean-up, correction and prevention of future occurrences.
- (2) In addition, the *Owner* shall submit, to the *District Manager* a written report within three (3) business days of the emergency situation, outlining the nature of the incident, remedial measures taken, handling of waste generated as a result of the emergency situation and the measures taken to prevent future occurrences at the *Site*.
- (3) All wastes resulting from an emergency situation shall be managed and disposed of in

accordance with *O.Reg. 347*.

- (4) All equipment and materials required to handle the emergency situations shall be:
 - (a) kept on hand at all times that waste landfilling and/or handling is undertaken at the *Site*; and
 - (b) adequately maintained and kept in good repair.
- (5) The *Owner* shall ensure that the emergency response personnel are familiar with the use of such equipment and its location(s).

6. INSPECTIONS, RECORD KEEPING AND REPORTING

Daily Log Book

- (1) A daily log shall be maintained in written or electronic format and shall include the following information:
 - (a) the type, date and time of arrival, hauler, and quantity (tonnes) of all waste and cover material received at the *Site*.
 - (b) Notwithstanding condition 6 (1)(a), for household users a count of number of users and an estimated quantity of waste may be recorded;
 - (c) the area of the *Site* in which waste disposal operations are taking place;
 - (d) a record of litter collection activities and the application of any dust suppressants;
 - (e) a record of the daily inspections; and
 - (f) a description of any out-of-service period of any control, treatment, disposal or monitoring facilities, the reasons for the loss of service, and action taken to restore and maintain service.
- (2) Any information requested, by the *Director* or a *Provincial Officer*, concerning the *Site* and its operation under this *Approval*, including but not limited to any records required to be kept by this *Approval* shall be provided to the *Ministry*, upon request.

Daily Inspections and Log Book

- (3) An inspection of the entire *Site* and all equipment on the *Site* shall be conducted each day the *Site* is in operation to ensure that: the *Site* is secure; that the operation of the *Site* is not causing any nuisances; that the operation of the *Site* is not causing any adverse effects on the environment and that the *Site* is being operated in compliance with this *Approval*. Any deficiencies discovered as a result of the inspection shall be remedied immediately, including temporarily ceasing operations at the *Site* if needed.
- (4) A record of the inspections shall be kept in a daily log book that includes:
 - (a) the name and signature of person that conducted the inspection;
 - (b) the date and time of the inspection;
 - (c) the list of any deficiencies discovered;
 - (d) the recommendations for remedial action; and
 - (e) the date, time and description of actions taken.

- (5) A record shall be kept in the daily log book of all refusals of waste shipments, the reason(s) for refusal, and the origin of the waste, if known.

Annual Report

- (6) A written report on the development, operation and monitoring of the *Site*, shall be completed annually (the “Annual Report”). The Annual Report shall be submitted to the *District Manager*, by March 31st of the year following the period being reported upon.
- (7) The Annual Report shall include but not be limited to the following information:
- (a) the results and an interpretive analysis of the results of all leachate, groundwater surface water and landfill gas monitoring, including an assessment of the need to amend the monitoring programs;
 - (b) an assessment of the operation and performance of all engineered facilities, the need to amend the design or operation of the *Site*, and the adequacy of and need to implement the contingency plans;
 - (c) site plans showing the existing contours of the *Site*; areas of landfilling operation during the reporting period; areas of intended operation during the next reporting period; areas of excavation during the reporting period; the progress of final cover, vegetative cover, and any intermediate cover application; facilities existing, added or removed during the reporting period; and site preparations and facilities planned for installation during the next reporting period;
 - (d) calculations of the volume of waste, daily and intermediate cover, and final cover deposited or placed at the *Site* during the reporting period and a calculation of the total volume of *Site* capacity used during the reporting period;
 - (e) a calculation of the remaining capacity of the *Site* and an estimate of the remaining *Site* life;
 - (f) a summary of the weekly, maximum daily and total annual quantity (tonnes) of waste received at the *Site*;
 - (g) a summary of any complaints received and the responses made;
 - (h) a discussion of any operational problems encountered at the *Site* and corrective action taken;
 - (i) any changes to the Design and Operations Report and the Closure Plan that have been approved by the *Director* since the last *Annual Report*;
 - (j) a report on the status of all monitoring wells and a statement as to compliance with *Ontario Regulation 903*; and
 - (k) any other information with respect to the *Site* which the *Regional Director* may require from time to time.

7. LANDFILL DESIGN AND DEVELOPMENT

Approved Waste Types

- (1) Only municipal waste as defined under *Reg. 347* being solid non-hazardous shall be accepted at the *Site* for landfilling.
- (2) The *Owner* shall develop and implement a program to inspect waste to ensure that the waste received at the *Site* is of a type approved for acceptance under this *Approval*.
- (3) The *Owner* shall ensure that all loads of waste are properly inspected by *Trained personnel* prior to acceptance at the *Site* and that the waste vehicles are directed to the appropriate areas for disposal or transfer of the waste. The *Owner* shall notify the *District Manager*, in writing, of load rejections at the *Site* within one (1) business day from their occurrence.

Capacity

- (4) Maximum volumetric capacity approved for the *Site*, consisting of the waste, daily cover, intermediate cover and the final cover is 85,600 cubic metres. This volume does not include the historical volume of waste deposited prior to May 2003 within the 1.5 hectare area of the old landfill.

Service Area

- (5) Only waste that is generated within the boundaries of the Township of Leeds and the Thousand Islands may be accepted at the *Site*.

Design and Operations Report

- (6) Within one hundred and eighty (180) days from the date of this *Approval*, the *Owner* shall submit for the *Director's* approval, a Design and Operations Report that includes as a minimum the following information:
 - (a) proposed landfill design including the footprint, final contours, capacity and an estimate of the amount of existing waste;
 - (b) an estimate of waste types and quantities to be landfilled at the site and recycling and resource recovering activities at the *Site*;
 - (c) location and description of the access road and the on-site roads at the *Site*;
 - (d) description and location of the fencing and the gate(s);
 - (e) screening of the *Site* from the public, both visual and the protection from the noise impact;
 - (f) details of the clean surface water drainage from the *Site* and any works required to prevent extraneous surface water from contacting the active working face;
 - (g) description of the fill method, the equipment used at the *Site*, the areas used for various fill methods of landfilling, and timelines for various phases of the *Site* development;
 - (h) the operating hours of the *Site* and the hours for the various activities to be undertaken at the *Site*, including waste compaction, waste coverage and other activities within the *Site*;

- (i) details on winter operations;
- (j) the equipment used and the procedures used for waste deposition, spreading and covering (if sludge is disposed);
- (k) details on supervision and monitoring of the activities at the *Site*;
- (l) details on handling of other wastes, including the types and amounts of wastes handled, storage locations, storage facility design/description and the frequency of removal from the *Site*;
- (m) details on housekeeping practices undertaken to control noise, dust, litter, odour, rodents, insects and other disease vectors, scavenging birds or animals;
- (n) details on the closure of the *Site*, including the description of the final cover and its estimated permeability, its thickness, the source of the final cover material, the thickness of the top soil and the vegetation proposed for the closed waste mound, as well as the timeframe for the progressive waste coverage;
- (o) monitoring program for the surface and ground water;
- (p) site-specific trigger mechanism program for the implementation of the groundwater and surface water, contingency measures and a description of such measures;
- (q) landfill gas control or management required at the *Site*;
- (r) maintenance activities proposed for the *Site* and for the monitoring well network, including the type of the activities, the frequency of the activities and the personnel responsible for them;
- (s) inspection activities proposed for the *Site*, including the frequency of the activities and the personnel responsible for them;
- (t) details of training provided for the personnel responsible for the activities at the *Site*;
- (u) contingency plans for the emergency situations that may occur at the *Site*;
- (v) storm water management, including the location and the design of any works required;
- (w) closure plan for the old landfill site including for the Fill Beyond Approved Limit area; and
- (x) any other information relevant to the design and operation of the *Site* or the information required by the *District Manager*.

Cover

- (7) Alternative materials to soil may be used as weekly and interim cover material, based on an application with supporting information and applicable fee for a trial use or permanent use, submitted by the *Owner* to the *Director*, copied to the *District Manager* and as approved by the *Director* via an amendment to this *Approval*. The alternative material shall be non-hazardous according to *Reg. 347* and will be expected to perform at least as well as soil in relation to the following functions:
 - (a) Control of blowing litter, odours, dust, landfill gas, gulls, vectors, vermin and fires;
 - (b) Provision for an aesthetic condition of the landfill during the active life of the *Site*;
 - (c) Provision for vehicle access to the active tipping face; and
 - (d) Compatibility with the design of the *Site* for groundwater protection, leachate management and landfill gas management.
- (8) Cover material shall be applied as follows:
 - (a) **Weekly** Cover - Weather permitting, deposited waste shall be covered **weekly** in a manner

- acceptable to the *District Manager* so that no waste is exposed to the atmosphere;
- (b) Intermediate Cover - In areas where landfilling has been temporarily discontinued for six (6) months or more, a minimum thickness of 300 millimetre of soil cover or an approved thickness of alternative cover material shall be placed; and
 - (c) Final Cover - In areas where landfilling has been completed to final contours, a minimum 600 millimetre thick layer of soil of medium permeability and 150 millimetres of top soil (vegetative cover) shall be placed. Fill areas shall be progressively completed and rehabilitated as landfill development reaches final contours.

8. LANDFILL MONITORING

Landfill Gas

- (1) The *Owner* shall ensure that any buildings or structures at the *Site* contain adequate ventilation systems to relieve any possible landfill gas accumulation to prevent methane concentration reaching the levels within its explosive range. Routine monitoring for explosive methane gas levels shall be conducted in all buildings or structures at the *Site*, especially enclosed structures which at times are occupied by people.

Compliance

- (2) The *Site* shall be operated in such a way as to ensure compliance with the following:
 - (a) Reasonable Use Guideline B-7 for the protection of the groundwater at the *Site*; and
 - (b) Provincial Water Quality Objectives included in the July 1994 publication entitled *Water Management Policies, Guidelines, Provincial Water Quality Objectives*, as amended from time to time or limits set by the *Regional Director*, for the protection of the surface water at and off the *Site*.

Surface Water and Groundwater

- (3) The *Owner* shall monitor surface water and ground water in accordance with the monitoring programs outlined in documents listed in the attached Schedule "A".
- (4) A certified Professional Geoscientist or Engineer possessing appropriate hydrogeologic training and experience shall execute or directly supervise the execution of the groundwater monitoring and reporting program.

Groundwater Wells and Monitors

- (5) The *Owner* shall ensure that all groundwater monitoring wells which form part of the monitoring program are properly capped, locked and protected from damage.

- (6) Where landfilling is to proceed around monitoring wells, suitable extensions shall be added to the wells and the wells shall be properly re-secured.
- (7) Any groundwater monitoring well included in the on-going monitoring program that is damaged shall be assessed, repaired, replaced or decommissioned by the *Owner*, as required.
 - (a) The *Owner* shall repair or replace any monitoring well which is destroyed or in any way made to be inoperable for sampling such that no more than one regular sampling event is missed.
 - (b) All monitoring wells which are no longer required as part of the groundwater monitoring program, and have been approved by the *Director* for abandonment, shall be decommissioned by the *Owner*, as required, in accordance with *O.Reg. 903*, to prevent contamination through the abandoned well. A report on the decommissioning of the well shall be included in the Annual Report for the period during which the well was decommissioned.

Trigger Mechanisms and Contingency Plans

- (8)
 - (a) Within one (1) year from the date of this *Approval*, the *Owner* shall submit to the *Director*, for approval, and copies to the *District Manager*, details of a trigger mechanisms plan for surface water and groundwater quality monitoring for the purpose of initiating investigative activities into the cause of increased contaminant concentrations.
 - (b) Within one (1) year from the date of this *Approval*, the *Owner* shall submit to the *Director* for approval, and copies to the *District Manager*, details of a contingency plan to be implemented in the event that the surface water or groundwater quality exceeds any trigger mechanism.
- (9) In the event of a confirmed exceedance of a site-specific trigger level relating to leachate mounding or groundwater or surface water impacts due to leachate, the *Owner* shall immediately notify the *District Manager*, and an investigation into the cause and the need for implementation of remedial or contingency actions shall be carried out by the *Owner* in accordance with the approved trigger mechanisms and associated contingency plans.
- (10) If monitoring results, investigative activities and/or trigger mechanisms indicate the need to implement contingency measures, the *Owner* shall ensure that the following steps are taken:
 - (a) The *Owner* shall notify the *District Manager*, in writing of the need to implement contingency measures, no later than 30 days after confirmation of the exceedances;
 - (b) Detailed plans, specifications and descriptions for the design, operation and maintenance of the contingency measures shall be prepared and submitted by the *Owner* to the *District Manager* for approval; and
 - (c) The contingency measures shall be implemented by the *Owner* upon approval by the *District Manager*.

- (11) The *Owner* shall ensure that any proposed changes to the site-specific trigger levels for leachate impacts to the surface water or groundwater, are approved in advance by the *Director* via an amendment to this *Approval*.

Changes to the Monitoring Plan

- (12) The *Owner* may request to make changes to the monitoring program(s) to the *District Manager* in accordance with the recommendations of the annual report. The *Owner* shall make clear reference to the proposed changes in a separate letter that shall accompany the annual report.
- (13) Within fourteen (14) days of receiving the written correspondence from the *District Manager* confirming that the *District Manager* is in agreement with the proposed changes to the environmental monitoring program, the *Owner* shall forward a letter identifying the proposed changes and a copy of the correspondences from the *District Manager* and all other correspondences and responses related to the changes to the monitoring program, to the *Director* requesting the *Approval* be amended to approve the proposed changes to the environmental monitoring plan prior to implementation.
- (14) In the event any other changes to the environmental monitoring program are proposed outside of the recommendation of the annual report, the *Owner* shall follow current *Ministry* procedures for seeking approval for amending the *Approval*.

9. CLOSURE PLAN

- (1) At least 3 years prior to the anticipated date of closure of this *Site*, the *Owner* shall submit to the *Director* for approval, with copies to the *District Manager*, a detailed *Site* closure plan pertaining to the termination of landfilling operations at this *Site*, post-closure inspection, maintenance and monitoring, and end use. The plan shall include but not be limited to the following information:
- (a) a plan showing *Site* appearance after closure;
 - (b) a description of the proposed end use of the *Site*;
 - (c) a description of the procedures for closure of the *Site*, including:
 - (i) advance notification of the public of the landfill closure;
 - (ii) posting of a sign at the *Site* entrance indicating the landfill is closed and identifying any alternative waste disposal arrangements;
 - (iii) completion, inspection and maintenance of the final cover and landscaping;
 - (iv) *Site* security;
 - (v) removal of unnecessary landfill-related structures, buildings and facilities;
 - (vi) final construction of any control, treatment, disposal and monitoring facilities for leachate, groundwater, surface water and landfill gas; and
 - (vii) a schedule indicating the time-period for implementing sub-conditions (i) to (vi) above;
 - (d) descriptions of the procedures for post-closure care of the *Site*, including:

- (i) operation, inspection and maintenance of the control, treatment, disposal and monitoring facilities for leachate, groundwater, surface water and landfill gas;
 - (ii) record keeping and reporting; and
 - (iii) complaint contact and response procedures;
 - (e) an assessment of the adequacy of and need to implement the contingency plans for leachate and methane gas; and
 - (f) an updated estimate of the *contaminating life span* of the *Site*, based on the results of the monitoring programs to date.
- (2) The *Site* shall be closed in accordance with the closure plan as approved by the *Director*.

10. WASTE DIVERSION

- (1) The *Owner* shall ensure that:
- (a) all bins and waste storage areas are clearly labelled;
 - (b) all lids or doors on bins shall be kept closed during non-operating hours and during high wind events; and
 - (c) if necessary to prevent litter, waste storage areas shall be covered during high winds events.
- (2) The *Owner* shall only accept *Refrigerant Appliances* that have been tagged to indicate that the refrigerant has been removed by a licensed technician. The tag number shall be recorded in the log book and shall remain affixed to the appliance until transferred from the *Site*;
- (3) Propane cylinders shall be stored in a segregated area in a manner which prevents cylinders from being knocked over or cylinder valves from breaking.
- (4) The *Owner* shall transfer waste and recyclable materials from the *Site* as follows:
- (a) recyclable materials shall be transferred off-site once their storage bins are full;
 - (b) scrap metal shall be transferred off-site at least twice a year;
 - (c) tires shall be transferred off-site as soon as a load for the contractor hired by the *Owner* has accumulated or as soon as the accumulated volume exceeds the storage capacity of its bunker; and
 - (d) immediately, in the event that waste is creating an odour or vector problem.
- (5) The *Owner* shall notify the appropriate contractors that waste and recyclable wastes that are to be transferred off-site are ready for removal. Appropriate notice time, as determined by the contract shall be accommodated in the notification procedure.
- (6) Collection, storage and transfer of Waste Electrical and Electronic Equipment shall be in accordance with the guideline titled "Collection Site Organizing & Operating Waste Electrical and Electronic Equipment (WEEE) Guidebook" dated March 11, 2010 as amended prepared by Ontario Electronic Stewardship and the documents in Schedule "A", the guideline shall take precedence.

SCHEDULE "A"

1. "Application for a Certificate of Approval for a Waste Disposal Site (Landfill)" dated May 8, 1981.
2. Report prepared by A.J. Graham Engineering Consultants Ltd. entitled "Environmental Considerations for Expansion of an Existing Sanitary Landfill Site, Township of Rear of Leeds and Lansdowne" dated March 30, 1981 (revised edition).
3. Letter dated April 13, 1982 from A.M. Landon, Clerk-Treasurer of the Township of Rear of Leeds and Lansdowne to P.R. Moore of the Ministry of the Environment.
4. Letter dated September 8, 1982 from A.M. Landon of the Township of Rear of Leeds and Lansdowne to P.R. Moore of the Ministry of the Environment.
5. Letter dated September 9, 2003 from Paula A. Formanek, Branch Manager, Trow Associates Inc. to Peter Taylor, Senior Environmental Officer, Ministry of the Environment, including the letter report Re: Subsurface Investigation, Briar Hill Landfill Site A442103.
6. Report titled "Township of Leeds and the Thousand Island, Briar Hill Waste Disposal Site ECA No. A442103, 2012, 2013 and 2014 Groundwater and Surface Water Monitoring Report" dated April 2015 prepared by .

The reasons for the imposition of these terms and conditions are as follows:

GENERAL

- The reason for Conditions 1(1), (2), (4), (5), (6), (7), (8), (9), (10), (17), (18) and (19) is to clarify the legal rights and responsibilities of the *Owner* and *Operator* under this *Approval* .
- The reasons for Conditions 1(3) and 7(6) are to ensure that the *Site* is designed, operated, monitored and maintained in accordance with the application and supporting documentation submitted by the *Owner*, and not in a manner which the *Director* has not been asked to consider.
- The reasons for Condition 1(11) are to ensure that the *Site* is operated under the corporate name which appears on the application form submitted for this *approval* and to ensure that the *Director* is informed of any changes.
- The reasons for Condition 1(12) are to restrict potential transfer or encumbrance of the *Site* without the approval of the *Director* and to ensure that any transfer of encumbrance can be made only on the basis that it will not endanger compliance with this *Approval* .
- The reason for Condition 1(13) is to ensure that the successor is aware of its legal responsibilities.

- The reasons for Condition 1(14) and (15) are that the Part II.1 *Director* is an individual with authority pursuant to Section 197 of the Environmental Protection Act to require registration on title and provide any person with an interest in property before dealing with the property in any way to give a copy of the *Approval* to any person who will acquire an interest in the property as a result of the dealing.
- The reason for Condition 1(16) is to ensure that appropriate Ministry staff has ready access to the Site for inspection of facilities, equipment, practices and operations required by the conditions in this *Approval*. This Condition is supplementary to the powers of entry afforded a Provincial Officer pursuant to the *Act*, the *OWRA*, the *PA*, the *NMA* and the *SDWA*.
- Condition 1 (20) has been included in order to clarify what information may be subject to the *Freedom of Information Act*.

SITE OPERATION

- The reasons for Conditions 2(1), 2(5) and 6(3) are to ensure that the *Site* is operated, inspected and maintained in an environmentally acceptable manner and does not result in a hazard or nuisance to the natural environment or any person.
- The reason for Conditions 2 (2), 2(3) and 2(4) is to ensure that users of the *Site* are fully aware of important information and restrictions related to *Site* operations and access under this *Approval*.
- The reasons for Conditions 2(6) (a) and (b) are open burning of municipal waste is unacceptable because of concerns with air emissions, smoke and other nuisance effects, and the potential fire hazard and to make sure burning of brush and wood are carried out in accordance with *Ministry* guidelines.
- The reasons for Condition 2(7), 2(8) and 2(9) are to specify the hours of operation for the landfill site and a mechanism for amendment of the hours of operation, as required.
- The reasons for Condition 2(10) and 2(11) are to ensure that the *Site* is supervised by properly trained staff in a manner which does not result in a hazard or nuisance to the natural environment or any person and to ensure the controlled access and integrity of the *Site* by preventing unauthorized access when the *Site* is closed and no site attendant is on duty.
- The reason for condition 2(12) is to ensure the stormwater within the *Site* is managed in a in a manner which does not result in a hazard or nuisance to the natural environment.

EMPLOYEE TRAINING

- The reason for Condition 3(1) is to ensure that the *Site* is supervised and operated by properly trained staff in a manner which does not result in a hazard or nuisance to the natural environment or any person.

COMPLAINTS RESPONSE PROCEDURE

- The reason for Condition 4(1) is to ensure that any complaints regarding landfill operations at this *Site* are responded to in a timely and efficient manner.

EMERGENCY RESPONSE

- Conditions 5(1) and 5(2) are included to ensure that emergency situations are reported to the Ministry to ensure public health and safety and environmental protection.
- Conditions 5(3), 5(4) and 5(5) are included to ensure that emergency situations are handled in a manner to minimize the likelihood of an adverse effect and to ensure public health and safety and environmental protection.

RECORD KEEPING AND REPORTING

- The reason for Conditions 6(1) and 6(2) is to ensure that accurate waste records are maintained to ensure compliance with the conditions in this *Approval* (such as fill rate, site capacity, record keeping, annual reporting, and financial assurance requirements), the *EPA* and its regulations.
- The reason for Conditions 6(4) and 6(5) is to ensure that detailed records of *Site* inspections are recorded and maintained for inspection and information purposes.
- The reasons for Conditions 6(6) and 6(7) are to ensure that regular review of site development, operations and monitoring data is documented and any possible improvements to site design, operations or monitoring programs are identified. An annual report is an important tool used in reviewing site activities and for determining the effectiveness of site design.

LANDFILL DESIGN AND DEVELOPMENT

- The reason for Conditions 7(1) to 7(5) inclusive is to specify the approved areas from which waste may be accepted at the *Site* and the types and amounts of waste that may be accepted for disposal at the *Site*, based on the *Owner*'s application and supporting documentation.
- Condition 7(7) is to provide the *Owner* the process for getting the approval for alternative daily and intermediate cover material.
- The reasons for Condition 7(8) are to ensure that daily/weekly and intermediate cover are used to control potential nuisance effects, to facilitate vehicle access on the *Site*, and to ensure an acceptable site appearance is maintained. The proper closure of a landfill site requires the application of a final cover which is aesthetically pleasing, controls infiltration, and is suitable for the end use planned for the *Site*.

LANDFILL MONITORING

- Reasons for Condition 8(1) are to ensure that off-site migration of landfill gas is monitored and all buildings at the *Site* are free of any landfill gas accumulation, which due to a methane gas component may be explosive and thus create a danger to any persons at the *Site*.
- Condition 8(2) is included to provide the groundwater and surface water limits to prevent water pollution at the *Site*.
- Conditions 8(3) and 8(4) are included to require the *Owner* to demonstrate that the *Site* is performing as designed and the impacts on the natural environment are acceptable. Regular monitoring allows for the analysis of trends over time and ensures that there is an early warning of potential problems so that any necessary remedial/contingency action can be taken.
- Conditions 8(5), 8(6) and 8(7) are included to ensure the integrity of the groundwater monitoring network so that accurate monitoring results are achieved and the natural environment is protected.
- Conditions 8(8) to 8(11) inclusive are added to ensure the *Owner* has a plan with an organized set of procedures for identifying and responding to potential issues relating to groundwater and surface water contamination at the *Site's* compliance point.
- Conditions 8(12), 8(13) and 8(14) are included to streamline the approval of the changes to the monitoring plan.

CLOSURE PLAN

- The reasons for Condition 9 are to ensure that final closure of the *Site* is completed in an aesthetically pleasing manner, in accordance with Ministry standards, and to ensure the long-term protection of the health and safety of the public and the environment.

WASTE DIVERSION

- Condition 10 is included to ensure that the recyclable materials are stored in their temporary storage location and transferred off-site in a manner as to minimize a likelihood of an adverse effect or a hazard to the natural environment or any person.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). A442103 issued on September 27, 1982 and notices of amendment.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;

2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

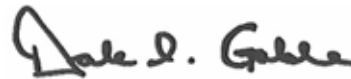
AND

The Director appointed for the purposes of Part II.1 of
the Environmental Protection Act
Ministry of the Environment and Climate Change
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-3717 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 20th day of August, 2015



Dale Gable, P.Eng.

Director

appointed for the purposes of Part II.1 of the
Environmental Protection Act


RM/

c: District Manager, MOECC Kingston - District

Appendix B

Figures




Legend
 approximate site boundary

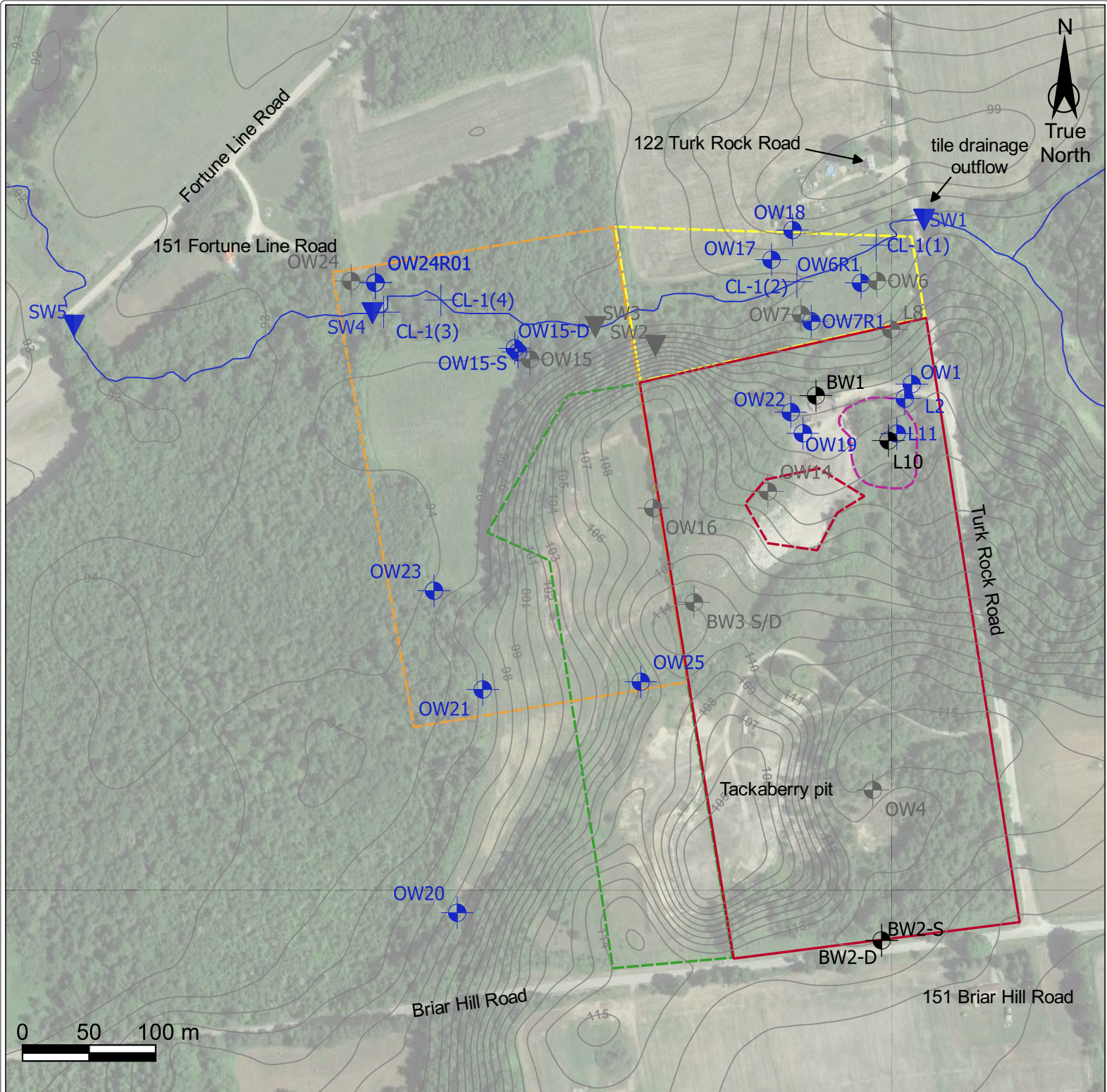
D0	2022-03-03	issued in final	MW	JuMP
Rev	Date	Description	By	Chkd

Site Location Plan

2021 Monitoring, Development, and Operations Report
 Briar Hill Waste Disposal Site
 Township of Leeds and the Thousand Islands

File: 1036-119.00	Figure 1	
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Data Sources: Figure based on Malroz field observations and Google Earth imagery.



Legend

- approximate Site property boundary
- northern CAZ
- extent of Part 2 described in By-Law 07-71 leased from Tackaberry
- approximate former landfill area
- approximate active waste fill area for 2021
- proposed western CAZ

- approximate overburden monitoring well location
- approximate bedrock monitoring well location
- abandoned/destroyed monitoring well
- ▼ surface water monitoring location
- ▼ surface water monitoring location not sampled
- + stream survey point
- stream

— approximate topographic contours (MNR, 2014)

D0	2022-03-03	issued in final	MW	JuMP
Rev	Date	Description	By	Chkd

**Site Plan
(Full Site)**

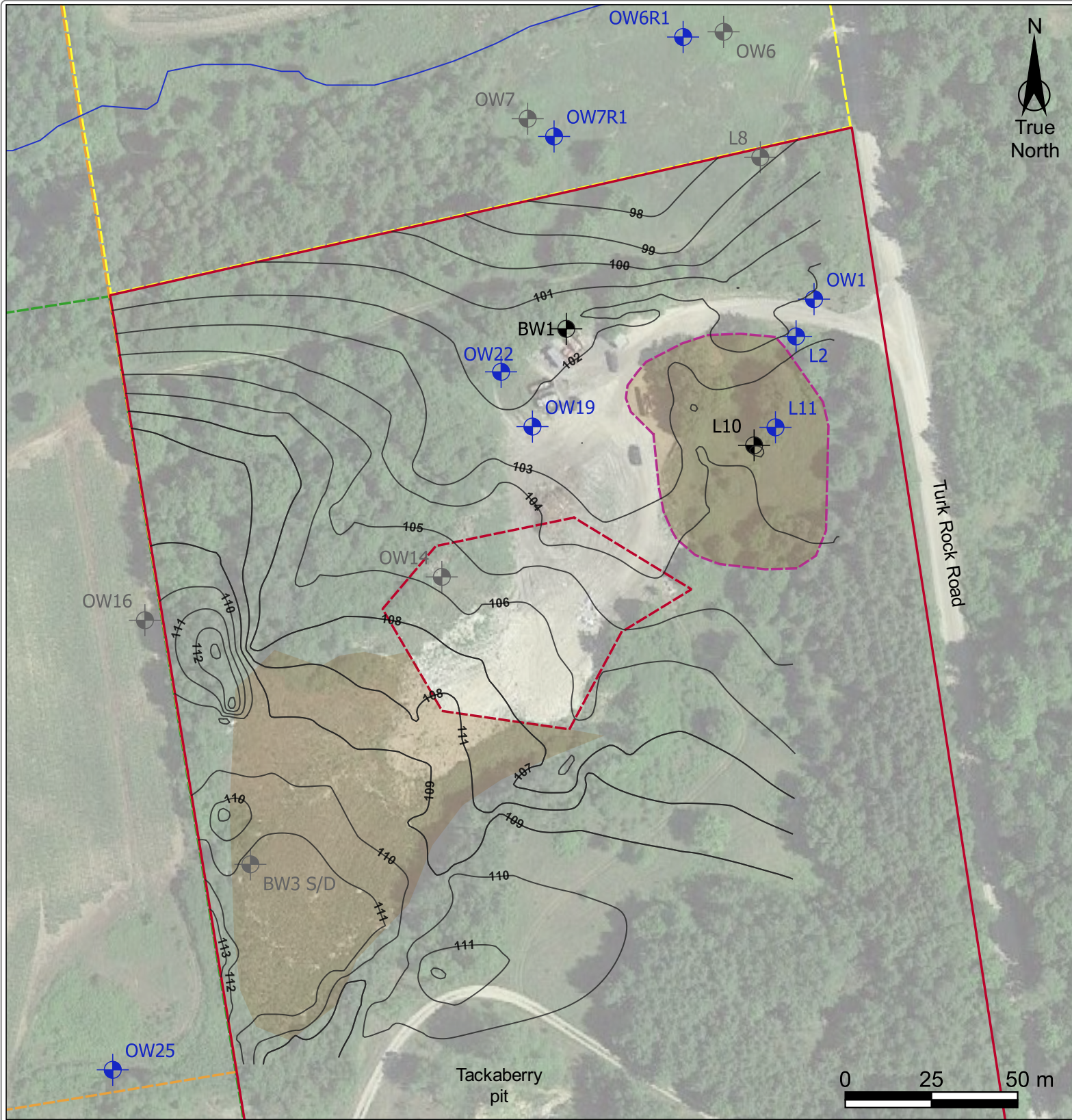
2021 Monitoring, Development, and Operations Report
Briar Hill Waste Disposal Site
Township of Leeds and the Thousand Islands

File: 1036-119.00

**Figure
2a**



Data Sources: Figure based on Malroz field observations and Google Earth imagery; topographic contours based on Digital Raster Acquisition Project Eastern Ontario, MNR, 2014; stream based on Ontario Hydro Network, MNR, 2020.



Legend

- approximate Site property boundary
- northern CAZ
- extent of Part 2 described in By-Law 07-71 leased from Tackaberry
- approximate former landfill area
- approximate active waste fill area for 2021

- approximate area with intermediate cover
- + approximate overburden monitoring well location
- approximate bedrock monitoring well location
- ⊖ abandoned/destroyed monitoring well
- approximate topographic contours (Malroz, 2021)
- stream

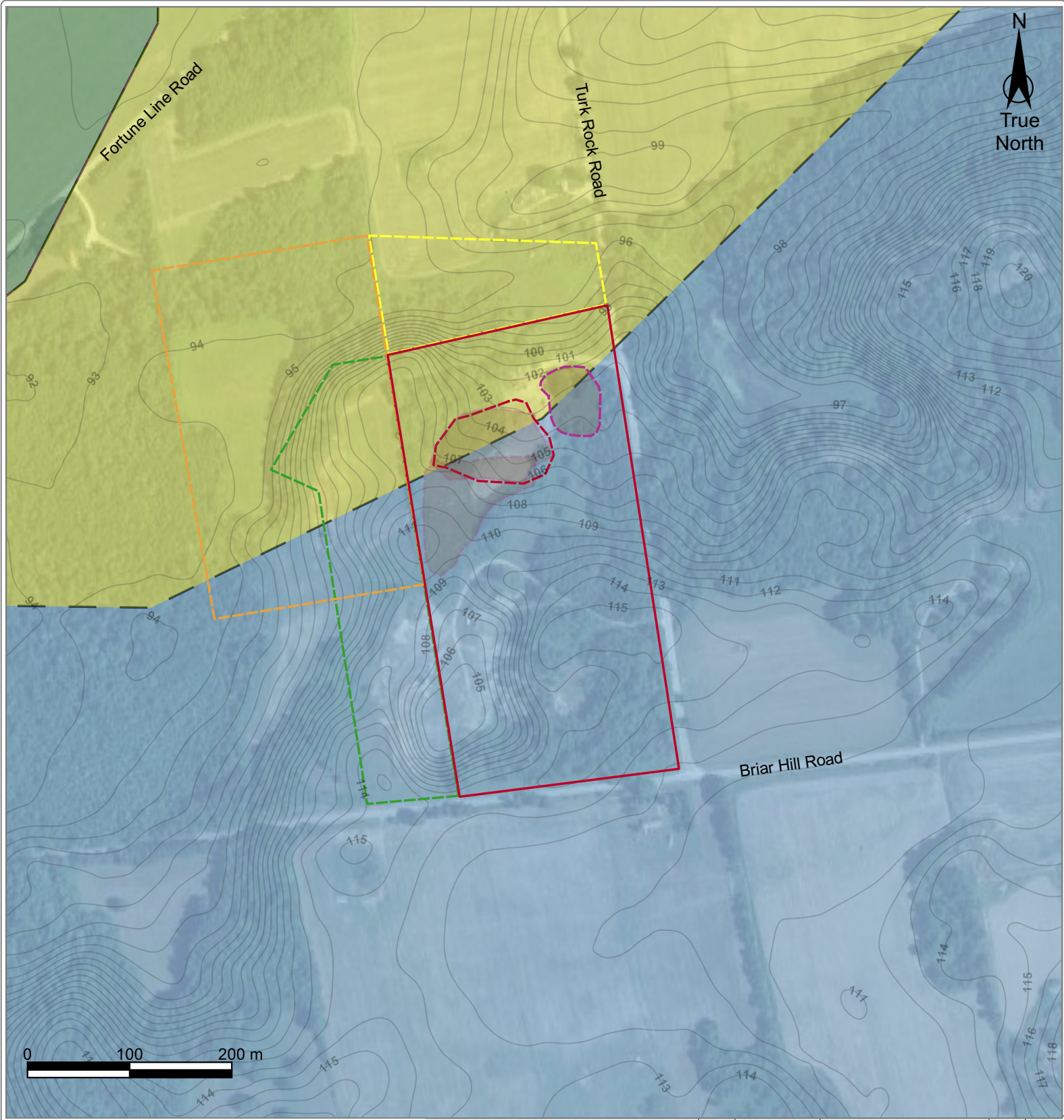
D0	2022-03-18	issued in final	MW	JuMP
Rev	Date	Description	By	Chkd

**Site Plan
(Waste Disposal Area)**

2021 Monitoring, Development, and Operations Report
 Briar Hill Waste Disposal Site
 Township of Leeds and the Thousand Islands

File: 1036-119.00	Figure 2b	
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Data Sources: Figure based on Malroz field observations and Google Earth imagery; topographic contours based on Groundwork survey conducted December, 2021.



Bedrock Geology

Lithology

- conglomerate, wacke, quartz arenite, arkose limestone, siltstone, chert, minor iron formation, minor metavolcanic rocks
- granitic gneisses with metasedimentary xenoliths, migmatites, injection gneisses, pegmatites
- marble, calc-silicate rocks, skarn, tectonic breccias
- approximate lithologic contact

- 105- approximate topographic contours
- approximate property boundary

Data Sources: Bedrock Geology of Ontario, Ontario Geologic Survey, 2011; Digital Raster Project Eastern Ontario, Ministry of Natural Resources and Forestry, 2014; Google Earth Imagery; Malroz Field Observations.

R0	2022/03/03	issued in final	MV	Jul
Rev	Date	Description	By	Chkd

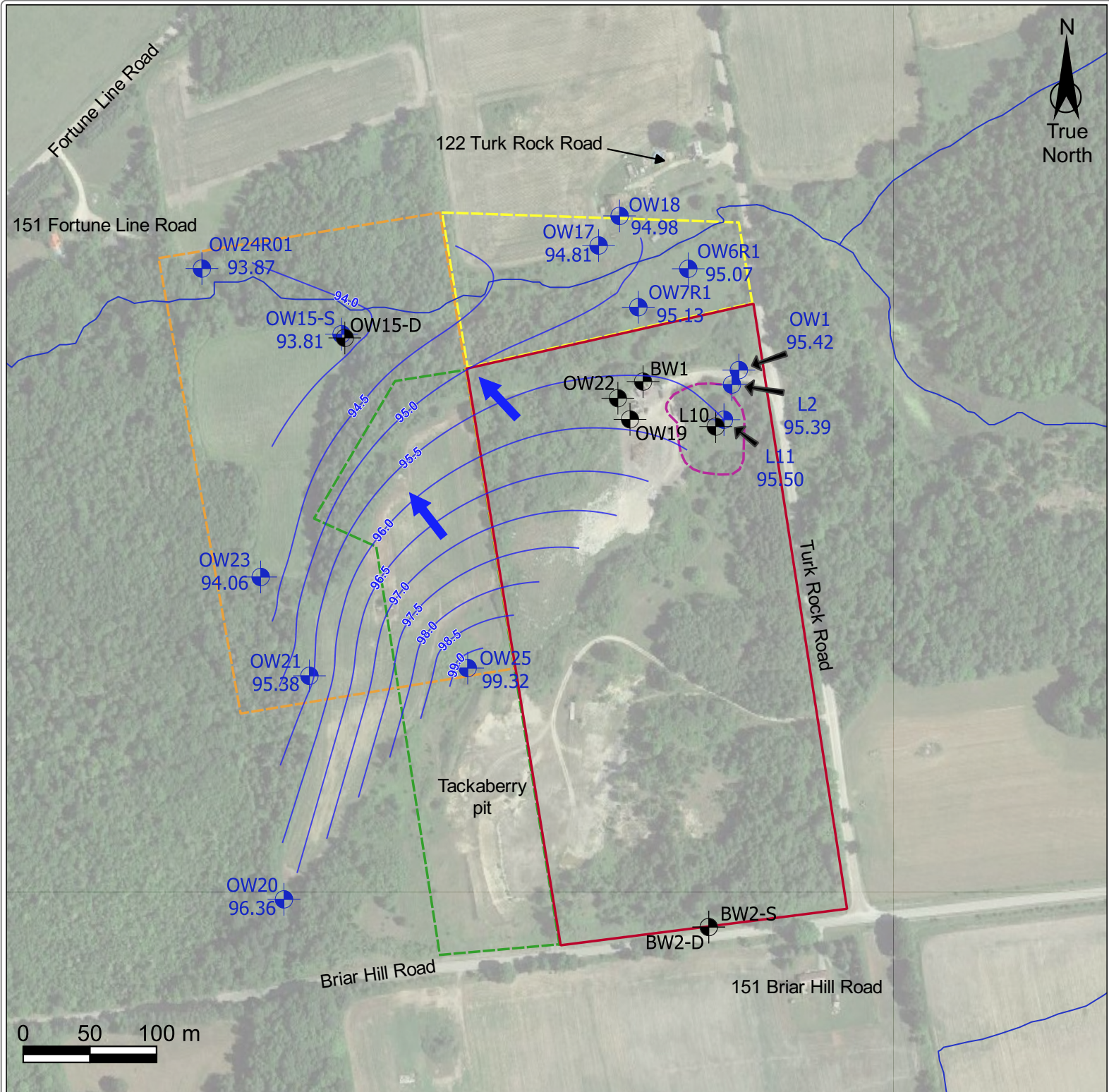
Bedrock Geology

2021 Monitoring, Development and Operations Report
 Briar Hill Waste Disposal Site
 Township of Leeds and the Thousand Islands

File: 1036-119.00

Figure 3





Legend

- approximate existing property boundary
- northern CAZ
- proposed western CAZ
- extent of Part 2 described in By-Law 07-71 leased from Tackaberry
- approximate former landfill area
- approximate active waste fill area
- stream
- ⊙ bedrock monitoring well location
- ⊙ overburden monitoring well location
- inferred GW contour (0.5 m)

D0	2022-03-03	issued in final	MW	JuMP
Rev	Date	Description	By	Chkd

**Shallow Groundwater Contours
(October 2021)**

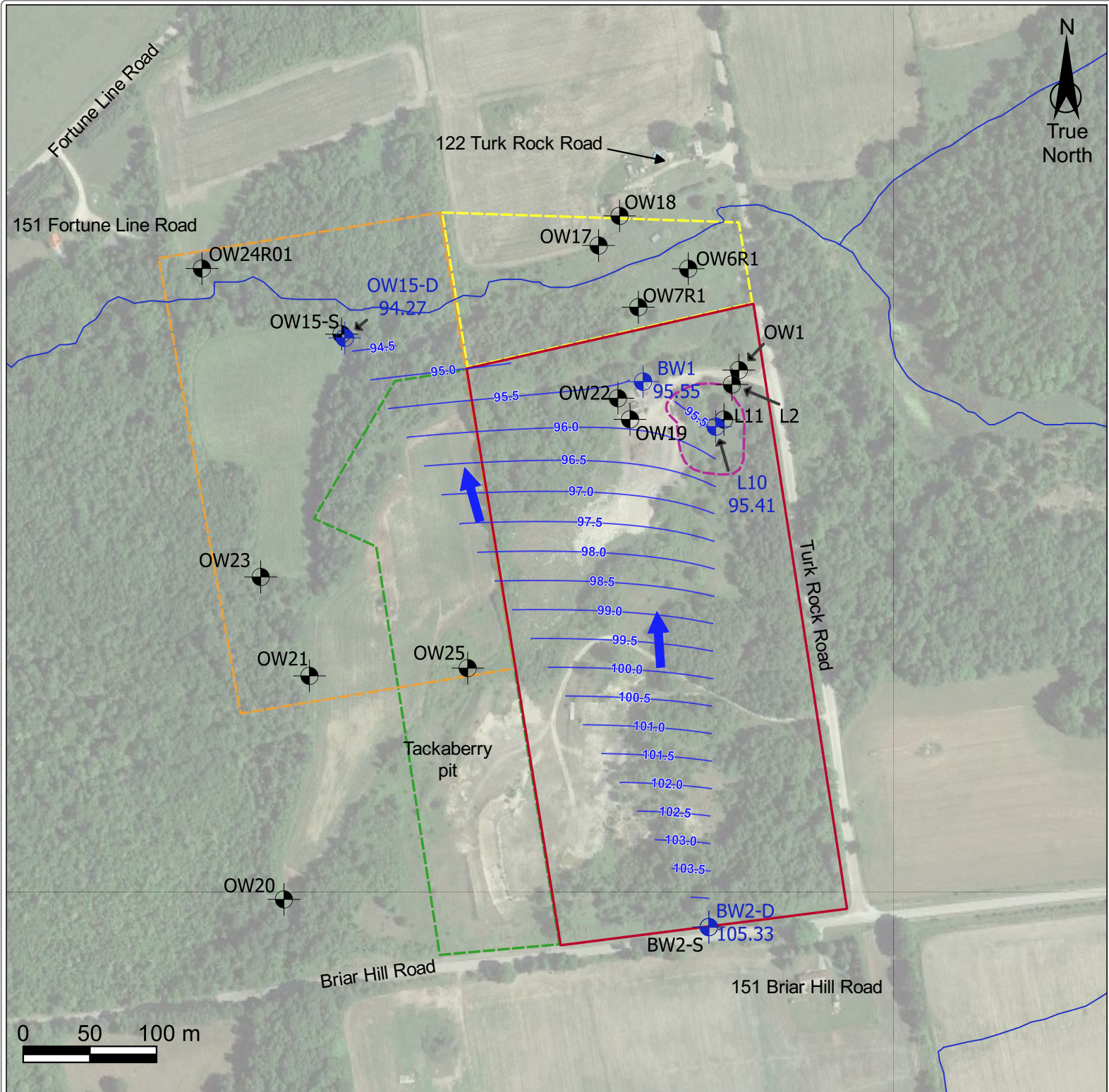
2021 Monitoring, Development, and Operations Report
Briar Hill Waste Disposal Site
Township of Leeds and the Thousand Islands

File: 1036-119.00

**Figure
4**



Data Sources: Figure based on Malroz field observations and Google Earth imagery; Groundwater contours interpolated using natural neighbour method in GIS.



Legend

- approximate existing property boundary
- northern CAZ
- proposed western CAZ
- extent of Part 2 described in By-Law 07-71 leased from Tackaberry
- approximate former landfill area
- stream
- bedrock monitoring well
- overburden monitoring well
- inferred GW contour (0.5 m)

D0	2022-03-03	issued in final	MW	JuMP
Rev	Date	Description	By	Chkd

Deep Groundwater Contours (October 2021)

2021 Monitoring, Development, and Operations Report
Briar Hill Waste Disposal Site
Township of Leeds and the Thousand Islands

File: 1036-119.00

Figure 5



Data Sources: Figure based on Malroz field observations and Google Earth imagery; Groundwater contours interpolated using natural neighbour method in GIS.

Appendix C
Tables

Table 1
Surface Water Survey

Station ID	Northing (m)	Easting (m)	Invert Elevation (m)	Nearest Groundwater Monitor	Groundwater Elevations (m)*		Groundwater Elevation Relative to Nearest Water Body Invert (m)	
					Spring 2020	Fall 2020	Spring 2020	Fall 2020
SW1	407032	4933270	94.76	-	-	-	-	-
TD-1(1)	-	-	94.91	-	-	-	-	-
CL-1(1)	406998	4933252	94.34	OW17	95.08	94.74	+0.74	+0.40
TD-2(1)	-	-	94.79	-	-	-	-	-
TD-1(2)	-	-	94.50	-	-	-	-	-
CL-1(2)	406942	4933225	94.10	OW6R1	95.29	95.09	+1.19	+0.99
TD-2(2)	-	-	94.71	-	-	-	-	-
SW4	406634	4933207	93.16	-	-	-	-	-
TD-1(3)	-	-	93.46	-	-	-	-	-
CL-1(3)	406633	4933216	93.14	OW24	94.19	93.67	+1.05	+0.53
TD-2(3)	-	-	93.45	-	-	-	-	-
TD-1(4)	-	-	93.55	-	-	-	-	-
CL-1(4)	406668	4933232	93.27	OW15-S	93.88	93.73	+0.61	+0.46
TD-2(4)	-	-	93.49	-	-	-	-	-

Notes:

- TD# edge of stream (survey station #)
- SW surface water sampling location
- CL# centerline of stream (survey station #)
- denotes not measured

based on Malroz survey from April 24, 2018 using a laser level and wells OW6R1 and OW24 as benchmarks

* groundwater elevations taken from nearest shallow groundwater monitoring well

Data Input: MW
 Data Check: RV

Table 2
Well Inspection Results

Well ID	Well Type/ Protective Casing	Well Construction	Well Integrity			Well Observations
			Locked	Capped	Condition ^[1]	
OW1	white 50 mm PVC pipe	50 mm schedule 40 PVC	Y	J-Plug	good	
OW6R1	steel monument	50 mm schedule 40 PVC	Y	J-Plug	good	
OW7R1	steel monument	50 mm schedule 40 PVC	Y	J-Plug	good	
OW15-S	steel monument	50 mm schedule 40 PVC	Y	J-Plug	good	
OW15-D	steel monument	50 mm schedule 40 PVC	Y	J-Plug	good	
OW17	steel monument	50 mm schedule 40 PVC	Y	J-Plug	good	
OW18	steel monument	50 mm schedule 40 PVC	Y	J-Plug	good	
OW19	white 50 mm PVC pipe	50 mm schedule 40 PVC	Y	J-Plug	good	
OW20	steel monument	50 mm schedule 40 PVC	Y	J-Plug	good	
OW21	steel monument	50 mm schedule 40 PVC	Y	J-Plug	good	
OW22	steel monument	50 mm schedule 40 PVC	Y	J-Plug	good	
OW23	steel monument	50 mm schedule 40 PVC	Y	J-Plug	good	
OW24	steel monument	50 mm schedule 40 PVC	Y	J-Plug	poor	damaged therefore abandoned and replaced with OW24R1 in July 2021
OW24R1	steel monument	50 mm schedule 40 PVC	Y	J-Plug	good	
OW25	steel monument	50 mm schedule 40 PVC	Y	J-Plug	good	
BW1	steel monument	50 mm schedule 40 PVC	Y	Slip cap	good	
BW2-S	flush mount	50 mm schedule 40 PVC	N	J-Plug	good	nested with BW2-D
BW2-D		32 mm schedule 40 PVC	N	J-Plug	good	nested with BW2-S
L2	black 50mm PVC pipe	50 mm schedule 40 PVC	Y	J-Plug	good	
L10	black 50mm PVC pipe	50 mm schedule 40 PVC	Y	J-Plug	good	
L11	black 50mm PVC pipe	50 mm schedule 40 PVC	Y	J-Plug	good	

Notes: well inspection completed on April 15-16, 2021 and October 20-21, 2021

- ¹ well conditions classified as:
 good (no maintenance required),
 fair (optional maintenance required),
 poor (requires maintenance or abandonment)

Data Input: JMP
 Data Checked: AS

**Table 3
 Groundwater Monitoring Results**

Location	DTW (mbTOP)	TOP Elevation (masl)	Grade Elevation (masl)	Groundwater Elevation (masl)	Methane Concentration (%LEL)	Observations		
						Colour	Odour	Sediment
April 15-16, 2021								
Overburden Monitoring Wells								
L2	7.61	103.24	102.23	95.76	nr	clear	none	trace
L11	8.18	104.50	103.38	95.83	nr	cloudy	none	trace
OW1	7.12	102.79	101.85	95.67	nr	rusty	none	trace
OW6R1	0.87	96.17	95.59	95.30	<1[a]	grey-brown	none	some
OW7R1	1.85	96.78	96.05	94.93	<1[a]	rusty	none	trace
OW15-D	0.71	94.70	-	93.99	nr	grey	none	abundant
OW15-S	0.74	94.63	94.04	93.89	nr	brown	none	abundant
OW17	0.85	95.96	94.87	95.11	nr	brown	none	abundant
OW18	1.87	97.17	96.18	95.30	nr	grey	none	abundant
OW19	dry	103.40	102.30	-	>100	insufficient water to sample		
OW20	3.85	100.82	99.96	96.97	nr	grey	none	abundant
OW21	1.52	97.20	96.48	95.68	nr	brown	none	some
OW22	4.77	102.99	102.18	98.22	nr	brown	none	some
OW23	0.76	95.05	94.04	94.29	nr	rusty	none	some
OW24	damaged	94.56	93.68	-	nr	not sampled		
OW25	9.99	107.00	106.30	97.01	nr	clear	none	none
Bedrock Monitoring Wells								
BW1	7.00	102.83	101.87	95.83	nr	clear	sulphur	none
BW2-D ^[1]	9.16	114.13	-	104.97	nr	clear	none	none
BW2-S ^[1]	5.64	114.13	-	108.49	nr	cloudy	none	trace
L10	8.56	104.20	103.41	95.64	nr	clear	sulphur	none
October 20-21, 2021								
Overburden Monitoring Wells								
L2	7.84	103.24	102.23	95.40	nr	cloudy	none	some
L11	9.00	104.50	103.38	95.50	nr	cloudy	none	trace
OW1	7.37	102.79	101.85	95.42	<1[a]	rusty cloudy	none	trace
OW6R1	1.10	96.17	95.59	95.07	nr	brown	none	some
OW7R1	1.65	96.78	96.05	95.13	nr	rusty	none	trace
OW15-D	0.43	94.70	-	94.27	nr	grey	none	abundant
OW15-S	0.82	94.63	94.04	93.81	nr	grey	slight sulphur	abundant
OW17	1.15	95.96	94.87	94.81	nr	brown	none	some
OW18	2.19	97.17	96.18	94.98	nr	grey	none	abundant
OW19	dry	103.40	102.30	-	>100	insufficient water to sample		
OW20	4.46	100.82	99.96	96.36	nr	grey	none	abundant
OW21	1.82	97.20	96.48	95.38	nr	brown	none	some
OW22	dry	102.99	102.18	-	1	insufficient water to sample		
OW23	0.99	95.05	94.04	94.06	nr	rusty	none	some
OW24	abandoned in July 2021 - replaced by OW24R1							
OW24R01	0.83	94.70	93.74	93.87	<1[a]	cloudy	none	none
OW25	7.68	107.00	106.30	99.32	nr	brown	none	some
Bedrock Monitoring Wells								
BW1	7.28	102.83	101.87	95.55	<1[a]	clear	none	none
BW2-D ^[1]	9.61	114.13	-	104.52	nr	clear	none	none
BW2-S ^[1]	8.80	114.13	-	105.33	nr	clear	none	trace
L10	8.79	104.20	103.41	95.41	nr	clear	sulphur	trace

Notes:

- LEL lower explosive limit
- nr no response
- DTW depth to water
- not measured/not available/not applicable
- masl meters above mean sea level
- mbTOP meters below top of piezometer
- ^[1] elevation of wells based on survey data provided by the Township of Leeds and the Thousand Islands and Malroz 2017 survey
- ^[a] full gas response result, methane elimination was not taken

Data Input: JMP
 Data Check: AS

Table 4a Overburden Groundwater Analytical Results

PARAMETERS			Alkalinity	N - Ammonia	BOD	COD	DOC	Conductivity	Hardness	pH	Phenols	Phosphorus (total)	Total Dissolved Solids	Total Suspended Solids	Total Kjeldahl - N	Chloride	N - Nitrate	N - Nitrite	Sulphate	Mercury	Aluminum	Arsenic	Barium	Boron		
Groundwater Sampling Location	Sample ID	Date	Units	mg/L	mg/L	mg/L	mg/L	µmho/cm	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
			RL	5	0.01	3	5	0.2	1	1	6.5 - 8.5	0.002	0.01	3	3	0.1	0.5	0.05	0.05	1	0.00002	0.01	0.0001	0.001	0.005	
			ODWS	30-500 OG			5 AO		80-100 OG	6.5 - 8.5 OG		500 AO			250 AO	10 CS	1 CS	500 AO	0.001 CS	0.1 OG	0.01 CS	1 CS	5 CS			
L11	21-W016	21-Apr-16		394	<	<	9	825	468	7.84	<	434	202	0.3	28.7	1.33	<	13	<	0.08	<	0.432	0.028			
L11	21-W040	21-Oct-20		381	0.03	<	35	766	490	7.99	<	401	63	0.8	26.5	1.04	<	12	<	0.07	<	0.452	0.024			
L2	21-W017	21-Apr-16		461	<	<	91	939	538	7.87	<	499	215	1.0	25.8	1.64	<	16	<	0.08	0.0001	0.664	0.015			
L2	21-W042	21-Oct-20		390	0.05	<	6	806	351	7.99	<	424	9550	0.7	22.2	2.72	<	19	<	0.02	<	0.713	0.021			
OW1*	21-W018	21-Apr-16		422	0.01	<	<	2.3	1380	611	7.93	<	751	148	0.2	194	2.30	<	26	<	0.08	<	0.801	0.053		
OW1*	21-W043	21-Oct-21		319	0.02	<	<	<	1130	553	8.01	<	609	82	0.3	168	1.64	0.11	20	<	0.08	<	0.666	0.032		
OW15S	21-W002	21-Apr-15		515	0.11	<	178	4.0	668	7.61	<	676	36000	1.4	71.5	<	<	45	<	0.04	0.0011	0.415	0.246			
OW15S	21-W023	21-Oct-20		574	0.19	<	123	3.7	664	7.73	<	647	45100	2.0	70.4	<	0.06	43	<	0.10	0.0016	0.449	0.281			
OW15D	21-W003	21-Apr-16		458	1.12	<	8	5.0	595	7.51	<	642	4080	1.3	69.6	<	<	46	<	0.09	0.0008	0.477	0.243			
OW15D	21-W024	21-Oct-20		523	1.10	<	8	4.2	597	7.60	<	619	3300	1.3	70.1	<	0.06	46	<	0.08	0.0008	0.470	0.251			
OW17	21-W021	21-Apr-16		289	0.13	<	13	2.4	333	8.01	<	338	5850	0.4	15.4	<	<	45	<	0.06	0.0001	0.044	0.007			
OW17	21-W037	21-Oct-21		428	0.03	<	12	2.7	523	7.99	<	579	3780	0.4	103	0.81	0.09	25	<	0.08	<	0.526	0.114			
OW18*	21-W020	21-Apr-16		330	0.04	<	57	3.5	426	8.01	<	391	23500	0.4	19.1	2.79	<	45	<	0.06	0.0003	0.221	0.023			
OW18*	21-W036	21-Oct-21		273	0.13	<	89	2.0	394	8.12	<	320	13100	0.9	15.3	<	<	52	<	0.06	0.0001	0.309	0.016			
OW19	-	21-Apr-16	dry																							
OW19	-	21-Oct-20	dry																							
OW20	21-W006	21-Apr-15		216	0.09	<	102	2.3	469	272	8.04	<	242	12400	0.6	1.4	<	<	21	<	0.07	0.0002	0.163	0.006		
OW20	21-W030	21-Oct-21		240	0.05	<	<	0.8	455	263	8.12	0.016	1.57	235	4260	0.2	2.2	<	<	20	<	0.03	0.0002	0.166	0.005	
OW21	21-W007	21-Apr-15		186	0.11	<	113	1.5	464	260	8.02	<	3.55	240	2740	1.6	7.0	5.78	<	15	<	0.05	<	0.292	0.018	
OW21	21-W031	21-Oct-21		214	0.05	<	<	0.9	450	259	8.03	<	0.76	232	1760	0.2	6.9	4.13	<	14	<	0.05	<	0.299	0.020	
OW22	21-W012	21-Apr-15		615	0.19	9	60	6.6	1890	802	7.46	<	0.39	1040	150	2.9	139	18.0	0.15	107	<	0.12	0.0005	0.214	0.300	
OW22	-	21-Oct-20	dry																							
OW23	21-W008	21-Apr-15		189	0.17	<	<	1.8	470	264	8.10	<	0.87	243	1200	0.2	5.3	0.07	<	40	<	0.04	0.0006	0.130	0.063	
OW23	21-W032	21-Oct-20		200	0.07	<	<	1.0	366	267	8.02	<	0.04	188	<	0.1	6.5	<	<	40	<	0.03	0.0005	0.135	0.068	
OW24*	-	21-Apr-15	damaged/not sampled																							
OW24R01*	21-W028	21-Oct-20		257	0.07	<	<	2.4	537	310	7.92	<	0.13	278	39	0.1	6.0	<	<	45	<	0.05	<	0.263	0.046	
OW25	21-W005	21-Apr-15		203	0.01	<	13	2.0	412	237	7.96	<	0.02	213	14	<0.1	0.7	0.34	<	4	<	0.13	0.0001	0.485	0.011	
OW25	21-W029	21-Oct-20		199	0.01	<	<	0.9	357	214	8.08	<	0.07	184	124	<0.1	1.5	0.42	<	4	<	0.04	<	0.404	0.010	
OW6R1	21-W010	21-Apr-15		396	0.08	<	60	2.8	1200	522	7.66	<	2.97	647	6500	0.5	133	0.89	0.06	20	<	0.09	<	0.931	0.066	
OW6R1	21-W038	21-Oct-21		430	0.11	<	12	2.5	1160	521	7.90	<	3.94	626	80600	1.1	124	1.10	<	20	<	0.09	<	0.921	0.079	
OW7R1	21-W009	21-Apr-15		321	2.44	<	6	4.9	967	417	7.57	<	0.03	515	40	2.5	56.7	<	<	84	<	0.08	0.0003	0.391	0.216	
OW7R1	21-W039	21-Oct-21		490	2.40	<	8	7.4	1140	594	7.99	<	0.12	610	60	3.0	66.8	<	0.07	60	<	0.08	0.0002	0.573	0.310	
RULs				367				3.76	175				384			126	2.6	0.29	261	0.0003	0.064	0.0031	0.389	1.26		

(table cont'd)

Table 4a Overburden Groundwater Analytical Results (continued)

PARAMETERS			Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Potassium	Silver	Sodium	Strontium	Uranium	Vanadium	Zinc	Temperature (field)	pH (Field)	DO (Field)	Conductivity (Field)	Un-ionized Ammonia (Field) ^[1]	
Groundwater Sampling Location	Sample ID	Date	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	pH Units	mg/L	mS/cm	mg/L	
			RL	0.00015	0.02	0.001	0.0001	0.0001	0.005	0.0002	0.02	0.001	0.1	0.0001	0.2	0.001	0.0005	0.0001	0.005	-	-	-	-	0.01
			ODWS	0.005 CS		0.05 CS		1 AO	0.3 AO	0.01 CS		0.05 AO		200 AO [a]		0.02 CS		5 AO	15 AO	6.5-8.5 OG				
L11	21-W016	21-Apr-16		0.000038	137	<	0.0006	0.0015	<	0.00002	30.6	0.001	3.6	<	10.9	0.222	0.00047	0.0002	<	11.17	7.25	9.88	0.790	<
L11	21-W040	21-Oct-20		0.000037	142	<	0.0007	0.002	0.006	0.00006	32.8	0.002	3.3	<	12.5	0.232	0.00037	<	0.031	12.58	7.25	11.26	0.968	<
L2	21-W017	21-Apr-16		<	152	<	<	0.0016	<	0.00003	38.4	0.001	1.4	<	17.3	0.192	0.00030	0.0002	<	9.22	7.12	6.03	0.952	<
L2	21-W042	21-Oct-20		<	78.7	<	0.0004	0.0007	<	<	37.5	<	1.4	<	15.9	0.172	0.00026	0.0001	<	13.59	7.77	9.41	0.625	<
OW1*	21-W018	21-Apr-16		<	166	<	<	0.0006	<	<	47.6	0.001	4.3	<	76.2	0.264	0.00083	<	<	9.09	7.23	8.63	1.35	<
OW1*	21-W043	21-Oct-21		<	150	<	0.0003	0.0004	0.008	<0.00004	43.2	0.001	3.8	<	67.2	0.228	0.00066	<	0.005	13.30	7.80	13.05	1.26	<
OW15S	21-W002	21-Apr-16		<	148	<	0.0001	0.0008	2.44	0.00008	72.4	0.046	3.3	<	41.8	0.833	<	<	<	8.59	7.21	18.73	1.16	<
OW15S	21-W023	21-Oct-20		<	150	<	0.0002	0.0005	1.75	0.00005	70.4	0.050	4.1	<	44.4	0.849	0.00008	0.0005	<	12.74	6.75	8.14	1.23	<
OW15D	21-W003	21-Apr-16		<	155	<	0.0005	<	2.14	0.00008	50.4	0.217	9.2	<	41.9	0.541	0.00244	<	<	9.67	6.84	2.07	1.16	<
OW15D	21-W024	21-Oct-20		<	155	<	0.0005	0.0002	2.04	0.00020	51.0	0.211	9.4	<	44.4	0.554	0.00230	<	<	11.55	6.75	4.95	1.12	<
OW17	21-W021	21-Apr-16		0.000063	92.5	<	0.0003	0.0017	0.054	0.00003	24.7	0.007	1.4	<	7.6	0.217	0.00052	0.0002	0.005	7.16	7.58	6.96	0.633	<
OW17	21-W037	21-Oct-21		<	129	<	0.0006	0.0022	0.037	0.00004	48.9	0.164	2.9	<	62.8	0.473	0.00084	<	<	11.34	7.39	14.13	1.11	<
OW18*	21-W020	16-Apr-21		<	103	<	0.0002	0.0035	<	<	40.9	0.003	7.9	<	8.1	0.189	0.00273	0.0007	<	8.07	7.70	7.42	0.739	<
OW18*	21-W036	21-Oct-21		<	91.9	<	0.0007	0.0008	0.018	<	40.0	0.017	2.2	<	8.6	0.164	0.00163	0.0002	<	10.45	7.62	7.13	0.705	<
OW19	-	21-Apr-16		dry																insufficient water to measure parameters				
OW19	-	21-Oct-20		dry																insufficient water to measure parameters				
OW20	21-W006	15-Apr-21		<	60.9	<	0.0002	0.0013	0.122	0.00008	29.2	0.017	1.6	<	4.7	0.137	0.00131	0.0003	<	8.55	7.71	9.41	0.455	<
OW20	21-W030	21-Oct-21		<	59.1	<	0.0005	0.0001	0.010	<	28.1	0.023	1.6	<	4.7	0.139	0.00087	<	<	14.71	7.89	14.72	0.429	<
OW21	21-W007	21-Apr-15		<	64.4	<	<	0.0006	0.006	<	24.2	<	1.2	<	3.7	0.122	0.00064	0.0005	<	9.04	7.73	9.42	0.449	<
OW21	21-W031	21-Oct-21		<	64.7	0.001	<	0.0003	0.011	<	23.6	0.001	1.3	<	3.8	0.124	0.00053	0.0005	<	18.93	7.71	7.69	0.388	<
OW22	21-W012	21-Apr-15		0.000024	254	<	0.0005	0.0068	0.021	0.00013	40.7	0.157	29.9	<	134	0.552	0.00091	<	<	8.54	6.94	4.98	1.89	<
OW22	-	21-Oct-20		dry																insufficient water to measure parameters				
OW23	21-W008	21-Apr-15		<	59.4	<	<	0.0009	0.146	0.00003	28.1	0.015	1.7	<	6.7	0.479	0.00038	<	<	8.04	7.80	5.09	0.464	<
OW23	21-W032	21-Oct-20		<	61.2	<	<	0.0006	0.103	<	27.7	0.016	2.1	<	6.7	0.445	0.00040	<	0.006	16.95	7.80	3.15	0.490	<
OW24*	-	21-Apr-15		damaged/not sampled																				
OW24R01*	21-W028	21-Oct-20		<	79.8	<	<	<	0.810	<	26.9	0.044	1.4	<	7.8	0.569	<	<	<	10.46	7.15	1.86	0.560	<
OW25	21-W005	21-Apr-15		<	62.4	<	0.0013	0.0021	0.304	0.00050	19.8	0.020	1.0	<	1.0	0.076	0.00022	0.0006	<	10.25	7.53	6.23	0.407	<
OW25	21-W029	21-Oct-20		<	55.5	<	<	0.0006	<	<	18.3	<	1.0	<	1.1	0.065	0.00015	<	<	13.61	8.10	16.10	0.350	<
OW6R1	21-W010	21-Apr-15		<	149	<	0.0002	0.0016	<	<0.00004	36.3	<	2.8	<	82.3	0.320	0.00054	0.0002	<	6.86	7.02	4.20	1.20	<
OW6R1	21-W038	21-Oct-21		<	148	<	0.0006	0.0021	0.137	0.00014	36.8	0.011	3.1	<	80.9	0.323	0.00050	0.0005	0.005	11.30	7.06	7.00	1.26	<
OW7R1	21W009	21-Apr-15		0.000040	121	<	0.0075	0.0019	1.25	0.00003	27.9	0.512	15.3	<	48.7	0.364	0.00047	<	<	6.99	7.36	9.71	0.908	0.01
OW7R1	21-W039	21-Oct-21		0.000040	174	<	0.0112	0.0017	1.67	<0.00004	38.7	0.701	21.3	<	56.9	0.541	0.00060	<	0.007	12.28	6.65	3.30	1.31	<
RULs				0.001		0.013		0.5004	0.183	0.0025		0.0354		102.4		0.0058		2.503						

Notes: concentration exceeds the Ontario Drinking Water Standards
 concentration exceeds the Reasonable Use Limits

 monitoring well used to characterize leachate
 monitoring well used to assess background conditions

Data Input: JMP
 Data Check: MW

"-" denotes not analyzed
 "RL" denotes reporting limit
 "<" denotes results below reporting limit
 "<###" elevated RL
 "OW####" and "L###" denote groundwater monitoring well ID
 groundwater samples analyzed for metals were field filtered using 0.45 micron filters
^[a] the local medical health officer should be notified when the sodium concentration exceeds 20 mg/L
 [1] Un-ionized Ammonia calculated using field parameters for pH and temperature
 AO aesthetic objective OG operational objective CS chemical standards
 *** denotes compliance well for reasonable use policy

Table 4b Bedrock Groundwater Analytical Results

PARAMETERS			Alkalinity	N - Ammonia	BOD	COD	DOC	Conductivity	Hardness	pH	Phenols	Phosphorus (total)	Total Dissolved Solids	Total Suspended Solids	N - Total Kjeldahl	Chloride	N - Nitrate	N - Nitrite	Sulphate	Mercury	Aluminum	Arsenic	Barium	Boron	
Groundwater Sampling Location	Sample ID	Date	Units	mg/L	mg/L	mg/L	mg/L	µmho/cm	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
			RL	5	0.01	3	5	0.2	1	1	-	0.002	0.01	3	3	0.1	0.5	0.05	0.05	1	0.00002	0.01	0.0001	0.001	0.005
			ODWS	30-500 OG				5 AO	80-100 OG	6.5 - 8.5 OG			500 AO			250 AO	10 CS	1 CS	500 AO	0.001 CS	0.1 OG	0.01 CS	1 CS	5 CS	
122 Turk Rock Rd.*	-	21-Apr-16																							
122 Turk Rock Rd.*	-	21-Oct-21																							
151 Fortune Line Rd.*	21-W046	21-Dec-07		238	0.02	<	6	4.7	1060	1	8.08	<	<	568 ^[2]	<	0.1	107	<	<	133	<	<	<	<	0.391
BW1	21-W011	21-Apr-15		222	0.90	<	7	3.9	646	293	7.83	<	0.02	335	5	1.1	41.2	<	<	40	<	0.06	<	0.104	0.723
BW1	21-W033	21-Oct-20		287	0.92	<	6	4.5	707	317	8.06	<	0.14	367	22	1.1	42.0	0.16	<	41	<	0.05	0.0002	0.105	0.741
BW2-D	21-W014	21-Apr-15		190	<	<	<	1.6	523	273	7.99	0.006	0.01	271	3	<	30.7	0.82	<	17	<	0.05	<	0.142	0.007
BW2-D	21-W044	21-Oct-21		238	0.01	<	<	1.5	621	327	8.29	<	0.02	322	<	<	44.2	4.38	<	19	<	0.05	<	0.166	0.006
BW2-S	21-W013	21-Apr-15		236	0.05	<	10	2.4	957	301	7.90	<	0.36	509	420	0.3	81.2	8.49	<	89	<	0.06	0.0005	0.031	0.019
BW2-S	21-W045	21-Oct-21		275	0.02	<	<	2.8	942	294	8.45	<	0.35	501	138	0.4	75.8	7.60	0.08	88	<	0.08	0.0005	0.030	0.016
L10	21-W015	21-Apr-16		771	12.1	<	57	12.7	1790	806	7.67	<	0.10	984	24	13.4	114	<	<	73	<	0.10	0.0002	0.135	1.18
L10	21-W041	21-Oct-21		764	12.0	<	54	16.9	1710	783	8.07	<	0.05	939	34	14.2	109	0.15	0.09	74	<	0.09	0.0001	0.131	1.15
			RULs	382				4.39		199				567			164	7.9	0.65	331	0.0003	0.159	0.0029	0.275	1.27

(table cont'd)

Table 4b Bedrock Groundwater Analytical Results (continued)

PARAMETERS			Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Potassium	Silver	Sodium	Strontium	Uranium	Vanadium	Zinc	Temperature (field)	pH (Field)	DO (Field)	Conductivity (Field)	Un-ionized Ammonia (Field) ⁽¹⁾	
Groundwater Sampling Location	Sample ID	Date	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	pH Units	mg/L	mS/cm	mg/L	
			RL	0.000015	0.02	0.001	0.0001	0.0001	0.005	0.00002	0.02	0.001	0.1	0.0001	0.2	0.001	0.00005	0.0001	0.005	-	-	-	-	0.01
			ODWS	0.005		0.05		1	0.3	0.01		0.05		200		0.02		5	15	6.5-8.5				
			CS	CS	CS	AO	AO	CS	AO	AO	AO	AO	AO	AO [a]	CS	CS	AO	AO	AO	OG				
122 Turk Rock Rd.*	-	21-Apr-16																						
122 Turk Rock Rd.*	-	21-Oct-21																						
151 Fortune Line Rd.*	21-W046	21-Dec-07		<	0.36	<	<	0.0005	0.032	0.00005	0.06	<	0.2	< 0.0001	253 ^[2]	0.009	<	< 0.0001	<	10.97	7.87	6.66	1.03	<
BW1	21-W011	21-Apr-15		<	79.7	<	<	<	0.568	<	22.8	0.104	4.0	< 0.0001	32.7	2.07	0.00084	< 0.0001	<	9.69	7.25	2.06	0.781	<
BW1	21-W033	21-Oct-20		<	85.6	0.001	0.0002	0.0013	0.306	0.00004	25.1	0.071	4.3	< 0.0001	38.6	2.28	0.00084	< 0.0001	0.010	14.67	7.75	10.16	0.664	0.01
BW2-D	21-W014	21-Apr-15		<	69.8	<	<	0.0001	0.008	<	23.9	0.002	1.4	< 0.0001	10.2	0.148	0.00088	0.0005	<	9.73	7.55	2.30	0.522	<
BW2-D	21-W044	21-Oct-21		<	81.2	<	0.0002	0.0003	0.034	<	30.2	0.009	1.5	< 0.0001	16.3	0.178	0.00113	0.0005	0.007	10.52	7.70	7.20	0.658	<
BW2-S	21-W013	21-Apr-15		0.000050	78.7	<	<	0.0024	0.023	0.00005	25.4	0.001	3.3	< 0.0001	101	0.223	0.00769	0.0003	0.009	9.89	7.63	15.03	0.953	<
BW2-S	21-W045	21-Oct-21		0.000055	77.0	<	0.0003	0.0016	0.138	0.00020	24.6	0.005	3.3	< 0.0001	108	0.216	0.00706	0.0004	0.017	12.92	7.83	16.17	0.002	<
L10	21-W015	21-Apr-16		<	217	<	0.0006	0.0006	8.45	< 0.00004	64.0	0.067	38.3	< 0.0001	97.5	0.829	0.00059	0.0008	<	10.05	6.89	2.91	1.78	0.02
L10	21-W041	21-Oct-21		<	213	<	0.0008	0.0007	7.87	< 0.00004	60.9	0.065	37.3	< 0.0001	98.7	0.838	0.00039	0.0005	0.008	11.75	6.96	9.30	1.86	0.02
RULs				0.0013		0.0157		0.5008	0.241	0.0027		0.0613		160.5		0.0129		2.507						

Notes: concentration exceeds the Ontario Drinking Water Standards
 concentration exceeds the Reasonable Use Limits
 "-" denotes not analyzed
 "RL" denotes reporting limit
 "<" denotes results below reporting limit
 <### elevated RL
 "OW###" and "L##" denote groundwater monitoring well ID
 groundwater samples analyzed for metals were field filtered using 0.45 micron filters
^[a] the local medical health officer should be notified when the sodium concentration exceeds 20 mg/L
 [1] Unionized Ammonia calculated using field parameters for pH and temperature
 [2] Elevated TDS and sodium likely due to sample being collected after point of water treatment (softener)
 AO aesthetic objective OG operational objective CS chemical standards
 *** denotes compliance well for reasonable use policy

Data Input: JMP
 Data Check: MW

Table 5 Groundwater VOC Analyses

Monitoring Location	Sample ID	Parameter	Acetone	Benzene	Bromobenzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon tetrachloride	Chloroethane	Chlorobenzene	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-Chloropropane	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			RL	30	0.5	0.4	2	5	0.5	0.2	3	0.5	1	2	0.2	0.2	0.6	2	0.1	2	0.2	0.5	0.5	0.5
			ODWS		1 CS					2 CS		80 CS										200 CS		5 CS
		Date																						
122 Turk Rock Rd	-	21-Apr-16	no access/not sampled																					
122 Turk Rock Rd	-	21-Oct-21	no access/not sampled																					
151 Fortune Line Rd.	21-W046	21-Dec-07	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
BW1	21-W011	21-Apr-15	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
BW1	21-W033	21-Oct-20	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
BW2-D	21-W014	21-Apr-15	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
BW2-D	21-W044	21-Oct-21	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
BW2-S	21-W013	21-Apr-15	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
BW2-S	21-W045	21-Oct-21	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
L10	21-W015	21-Apr-16	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
L10	21-W041	21-Oct-21	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
L11	21-W016	21-Apr-16	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
L11	21-W040	21-Oct-21	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
L2	21-W017	21-Apr-16	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
L2	21-W042	21-Oct-21	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW1	21-W018	21-Apr-16	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW1	21-W043	21-Oct-21	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW15-D	21-W003	21-Apr-16	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW15-D	21-W024	21-Oct-20	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW15-S	21-W002	21-Apr-16	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW15-S	21-W023	21-Oct-20	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW17	21-W021	21-Apr-16	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW17	21-W037	21-Oct-21	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW18	21-W020	21-Apr-16	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW18	21-W036	21-Oct-21	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW19	dry	21-Apr-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OW19	dry	21-Oct-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OW20	21-W006	21-Apr-15	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW20	21-W030	21-Oct-20	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW21	21-W007	21-Apr-15	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW21	21-W031	21-Oct-20	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW22	21-W012	21-Apr-15	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW22	dry	21-Oct-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OW23	21-W008	21-Apr-15	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW23	21-W032	21-Oct-20	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW24	damaged/not sampled	21-Apr-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OW24R01	21-W028	21-Oct-20	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW25	21-W005	21-Apr-15	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW25	21-W029	21-Oct-20	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW6R1	21-W010	21-Apr-15	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW6R1	21-W038	21-Oct-21	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW7R1	21-W009	21-Apr-15	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
OW7R1	21-W039	21-Oct-21	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	

(table cont'd)

Table 5 Groundwater VOC Analyses (continued)

Monitoring Location	Sample ID	Parameter	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethylene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	cis-1,3-Dichloropropene	1,3-Dichloropropene, trans	1,3-Dichloropropene, cis+trans	1,1-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	n-Hexane	Methyl Ethyl Ketone	Isopropylbenzene	4-Isopropyltoluene	Methyl Butyl Ketone	Methyl Isobutyl Ketone	MTBE	Methylene Chloride		
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			RL	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.5	0.5	0.5	0.2	0.5	0.6	5	20	0.2	0.2	5	20	2	5	
			ODWS		5 CS	14 CS										140 CS										
		Date																								
122 Turk Rock Rd	-	21-Apr-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
122 Turk Rock Rd	-	21-Oct-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
151 Fortune Line Rd.	21-W046	21-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	BW1	21-Apr-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	BW1	21-Oct-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	BW2-D	21-Apr-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	BW2-D	21-Oct-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	BW2-S	21-Apr-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	BW2-S	21-Oct-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	L10	21-Apr-16	1.2	-	-	0.9	-	-	-	-	-	-	-	-	-	-	-	-	0.2	-	-	-	-	-		
	L10	21-Oct-21	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	L11	21-Apr-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	L11	21-Oct-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	L2	21-Apr-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	L2	21-Oct-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW1	21-Apr-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW1	21-Oct-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW15-D	21-Apr-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW15-D	21-Oct-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW15-S	21-Apr-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW15-S	21-Oct-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW17	21-Apr-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW17	21-Oct-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW18	21-Apr-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW18	21-Oct-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW19	21-Apr-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW19	21-Oct-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW20	21-Apr-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW20	21-Oct-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW21	21-Apr-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW21	21-Oct-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW22	21-Apr-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW22	21-Oct-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW23	21-Apr-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW23	21-Oct-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW24	21-Apr-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW24R01	21-Oct-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW25	21-Apr-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW25	21-Oct-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW6R1	21-Apr-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW6R1	21-Oct-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW7R1	21-Apr-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	OW7R1	21-Oct-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

(table cont'd)

Table 6a - Reasonable Use Limits (Overdurden Wells)

Parameter	Units	ODWSOG Concentration Limit (C _r)	OW20 mean Background Concentration 2016-2021 (C _b)	Constant (x)	Reasonable Use Limit (C _m)
Alkalinity	mg/L	500	234	0.5	367
DOC	mg/L	5	2.51	0.5	3.76
Hardness	mg/L	100	251	0.5	175
Total Dissolved Solids	mg/L	500	267	0.5	384
Chloride	mg/L	250	1.60	0.5	126
N - Nitrate	mg/L	10	0.1	0.25	2.6
N - Nitrite	mg/L	1	0.05	0.25	0.29
Sulphate	mg/L	500	21.2	0.5	261
Mercury	mg/L	0.001	0.0000	0.25	0.0003
Aluminum	mg/L	0.1	0.028	0.5	0.064
Arsenic	mg/L	0.01	0.0007	0.25	0.0031
Barium	mg/L	1	0.185	0.25	0.389
Boron	mg/L	5	0.008	0.25	1.26
Cadmium	mg/L	0.005	0.0000	0.25	0.001
Chromium	mg/L	0.05	0.0007	0.25	0.013
Copper	mg/L	1	0.0008	0.5	0.5004
Iron	mg/L	0.3	0.066	0.5	0.183
Lead	mg/L	0.01	0.0001	0.25	0.0025
Manganese	mg/L	0.05	0.0207	0.5	0.0354
Sodium	mg/L	200	4.84	0.5	102.4
Uranium	mg/L	0.02	0.0010	0.25	0.0058
Zinc	mg/L	5	0.005	0.5	2.503

Notes: reasonable use calculation based on MOE Guideline B-7

$$C_m = C_b + x(C_r - C_b)$$

C_b = background concentration

x = constant; 0.5 non-health parameter, 0.25 for health parameter

C_r = max conc. acceptable in water (Ontario Drinking Water Standards and Operational Guidelines)

C_m = Reasonable Use Limit (RUL)

ODWSOG = Ontario Drinking Water Standards, Objectives or Guidelines

Data Input: JMP

Data Check: MW

Table 6b - Reasonable Use Limits (Bedrock Wells)

Parameter	Units	ODWSOG Concentration Limit (C _r)	BW2-S mean Background Concentration 2007-2021(C _b)	Constant (x)	Reasonable Use Limit (C _m)
Alkalinity	mg/L	500	264	0.5	382
DOC	mg/L	5	3.79	0.5	4.39
Hardness	mg/L	100	298	0.5	199
Total Dissolved Solids	mg/L	500	635	0.5	567
Chloride	mg/L	250	77.15	0.5	164
N - Nitrate	mg/L	10	7.2	0.25	7.9
N - Nitrite	mg/L	1	0.53	0.25	0.65
Sulphate	mg/L	500	162.0	0.5	331
Mercury	mg/L	0.001	0.000064	0.25	0.0003
Aluminum	mg/L	0.1	0.218	0.5	0.159
Arsenic	mg/L	0.01	0.0006	0.25	0.0029
Barium	mg/L	1	0.033	0.25	0.275
Boron	mg/L	5	0.025	0.25	1.27
Cadmium	mg/L	0.005	0.000070	0.25	0.0013
Chromium	mg/L	0.05	0.0042	0.25	0.0157
Copper	mg/L	1	0.0017	0.5	0.5008
Iron	mg/L	0.3	0.182	0.5	0.241
Lead	mg/L	0.01	0.0002	0.25	0.0027
Manganese	mg/L	0.05	0.0726	0.5	0.0613
Sodium	mg/L	200	121.07	0.5	160.5
Uranium	mg/L	0.02	0.0105	0.25	0.0129
Zinc	mg/L	5	0.014	0.5	2.507

Notes: reasonable use calculation based on MOE Guideline B-7

Data Input: JMP

$$C_m = C_b + x(C_r - C_b)$$

Data Check: MW

C_b = background concentration

x = constant; 0.5 non-health parameter, 0.25 for health parameter

C_r = max conc. acceptable in water (Ontario Drinking Water Standards and Operational Guidelines)

C_m = Reasonable Use Limit (RUL)

ODWSOG = Ontario Drinking Water Standards, Objectives or Guidelines

Table 7
Surface Water Station Descriptions

Station	Coordinates (NAD 1983, UTM Zone 18N)				Flow Conditions		Notes
	21-Apr-15		21-Oct-20		21-Apr-15	21-Oct-21	
	Northing (m)	Easting (m)	Northing (m)	Easting (m)			
SW1	4933269	467036	4933271	407034	lotic	lotic	Located upstream from the Briar Hill landfill, adjacent to Turk Rock Road. SW1 is intended to represent background surface water quality for the landfill site.
SW4	4933210	406630	4933205	406631	lotic	lotic	Located approximately 300m downstream from the Briar Hill landfill waste area, in a forested area between two agricultural fields. SW4 is located downstream of the culvert running under the agricultural access road, in the vicinity of OW24, northwest of the site.
SW5	4933205	406410	4933202	406401	lentic	lentic	Located approximately 500m downstream from the Briar Hill landfill waste area, next to Fortune Line Road. The sampling location is upstream of the culvert running under Fortune Line Road.

Note: surface water station locations surveyed using a Garmin handheld GPS

Data Input: JMP
 Data Check: AS

Table 8 Surface Water Analytical Results

Surface Water Sampling Location	Sample ID	Date Sampled	Alkalinity	Ammonia (N)	Ammonia(UI) (N)(lab)	BOD	COD	DOC	Conductivity	Hardness	pH	Phenols	Phosphorus (total)	Phosphorus, total dissolved	TDS	TSS	N - Total Kjeldahl	Chloride	N - Nitrate	N - Nitrite	Sulphate	Aluminum - Dissolved	Mercury	Arsenic	Barium	Boron
Units			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µmho/cm	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
RL			5	0.01	0.01	3	5	0.2	1	1	-	0.001	0.01	0.002	3	3	0.1	0.5	0.05	0.05	1	0.01	0.00002	0.0001	0.001	0.005
Provincial Water Quality Objectives (mg/L)			(note a)		0.02						6.5-8.5	0.001	0.02									0.075 ^[b]	0.0002	0.005		0.2
Table A: Assessment Criteria for Waste Disposal Sites (mg/L)					0.1						6.0 - 9.0	0.04 ^[h]						180			100			0.15	2.3	3.55
Table B: Alternative Review Criterias (mg/L)												0.004 ^[h]						128	2.9	0.06						1.5
SW1	21-W019	21-Apr-16	175	0.05	<	<	19	9.2	379	213	8.07	<	0.11	0.019	195	8	0.6	5.9	<	1.30	16	0.04	<	0.0003	0.095	0.010
SW1	21-W027	21-Oct-20	227	0.04	<	<	9	5.2	503	273	8.09	<	0.05	0.016	260	24	0.7	9.2	<	1.54	35	0.04	<	0.0003	0.177	0.032
SW4	21-W004	21-Apr-15	208	0.08	<	<	16	4.2	454	239	8.18	<	0.06	0.003	235	3	0.7	8.8	0.92	<	21	0.02	<	0.0002	0.125	0.022
SW4	21-W022	21-Oct-20	254	0.30	0.02	<	13	5.7	569	289	8.13	<	0.03	0.019	295	3	0.7	14.1	0.05	1.72	35	0.04	<	0.0002	0.192	0.056
SW5	21-W001	21-Apr-15	208	0.06	<	<	21	4.8	457	239	8.08	<	0.03	0.004	236	26	0.6	9.2	0.92	<	21	0.02	<	0.0003	0.132	0.023
SW5	21-W026	21-Oct-20	252	0.09	<	<	16	6.8	578	301	8.18	<	0.03	0.013	300	12	0.7	14.1	<	1.53	43	0.05	<	0.0003	0.199	0.057

(table cont'd)

Table 8 Surface Water Analytical Results (continued)

Surface Water Sampling Location	Sample ID	Date Sampled	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Silver	Sodium	Strontium	Vanadium	Zinc	Temperature (field)	pH (field)	DO (field)	Conductivity (field)	Ammonia, un-ionized (field) [1]
Units			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	pH Units	mg/L	mS/cm	mg/L
RL			0.000015	0.02	0.001	0.0001	0.0001	0.005	0.00002	0.02	0.001	0.0002	0.1	0.0001	0.2	0.001	0.0001	0.005	-	-	-	-	0.01
Provincial Water Quality Objectives (mg/L)			0.0005 ^[c]		(note d)	0.0009	0.005 ^[e]	0.3	0.005 ^[f]			0.025		0.0001			0.006	0.02			(note g)		0.02
Table A: Assessment Criteria for Waste Disposal Sites (mg/L)			0.00021		0.064		0.0069	1	0.002									0.089					0.1
Table B: Alternative Review Criteria (mg/L)			0.000017															0.03					
SW1	21-W019	21-Apr-16	0.000022	50.0	<	0.0002	0.0021	0.432	0.00020	18.0	0.033	0.0006	2.1	<	23.9	0.188	0.0021	0.009	8.48	7.75	8.21	0.377	<
SW1	21-W027	21-Oct-20	<	68.4	<	0.0003	0.0009	0.383	0.00018	24.9	0.087	<0.01	2.5	<	6.4	0.274	<0.005	0.014	11.52	7.84	9.37	0.506	<
SW4	21-W004	21-Apr-15	<	54.8	<	0.0004	0.0012	0.389	0.00024	19.6	0.060	0.0008	1.5	<	6.5	0.216	0.0017	0.006	11.35	7.97	10.18	0.430	<
SW4	21-W022	21-Oct-20	<	72.9	<	0.0005	0.0008	0.255	0.00006	26.0	0.057	<0.01	3.3	<	9.4	0.289	<0.005	<	10.81	7.51	12.89	0.570	<
SW5	21-W001	21-Apr-15	<	57.8	<	0.0003	0.0011	0.313	0.00011	20.3	0.058	0.0006	1.5	<	6.8	0.229	0.0015	0.007	11.21	7.32	7.67	0.451	<
SW5	21-W026	21-Oct-20	0.000016	77.0	<	0.0005	0.0011	0.359	0.00017	26.5	0.052	<0.01	3.5	<	10.1	0.306	<0.005	0.023	11.86	7.63	8.98	0.572	<

Input: JMP

Data Check: MW

Notes:

"-" denotes not analyzed

"RL" denotes reporting limit

"<" denotes result below reporting limit

"SW ####" denotes surface water station ID

[1] Unionized Ammonia calculated using field parameters for pH and temperature

[a] Alkalinity should not be decreased by more than 25% of the natural concentration

[b] Aluminum criteria: >6.5 - 9.0 pH = 0.075 mg/L, >5.5 - 6.5 pH = <10% above natural background concentration

[c] Cadmium criteria: 0-100 mg/L Hardness = 0.0001 mg/L, >100 mg/L Hardness = 0.0005 mg/L

[d] Chromium reported as total, published standards are for Chromium VI (0.001 mg/L) and Chromium III (0.0089 mg/L)

[e] Copper criteria: 0-20 mg/L Hardness = 0.001 mg/L, >20 mg/L Hardness = 0.005 mg/L

[f] Lead criteria: <30 mg/L Hardness = 0.001 mg/L, 30 to 80 mg/L Hardness = 0.003 mg/L, >80 mg/L Hardness = 0.005 mg/L

[g] PWQO for minimum DO concentration set at conservative value based on highest temperature and warm water biota

DO criteria: 0°C -5°C = ≥7mg/L 5°C-10°C = ≥ 6mg/L 10°C-20°C = ≥5mg/L 20°C-25°C = ≥ 4mg/L

[h] Table A and Table B standards apply only to Phenol

Metals are reported as "total" with the exception of Aluminum and Mercury (reported as dissolved)

Shading indicates parameters exceeding guideline criteria

denotes concentration exceeds the 1994 PWQO (as updated in 1999)

denotes concentration exceeds Table A: Assessment Criteria for Waste Disposal Sites (Source Aquatic Protection Values), from the Monitoring and Reporting for Waste Disposal Sites Groundwater and Surface Water Technical Guidance Document (2010)

denotes concentration exceeds Table B: Alternative Review Criteria (Source Canadian Water Quality Guideline), from the Monitoring and Reporting for Waste Disposal Sites Groundwater and Surface Water Technical Guidance Document (2010)

denotes background surface water station

Table 9
PFAS Analytical Results

PARAMETERS			8:2 Fluorotelomer sulfonic acid (8:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 F)	Perfluorobutane sulfonic acid (PFBS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorotridecanoic acid (PFTrDA)	Perfluorooctane sulfonic acid (PFOS)	Perfluoropentane sulfonic acid (PFPeS)	N-Et PFO sulfonamide (EtFOSA)	N-Et PFO sulfonamide (EtFOSE)	N-Et PFO sulfonamide (EtFOSE)	N-Me PFO sulfonamide (MeFOSA)	N-Me PFO sulfonamide (MeFOSE)	N-Me PFO sulfonamide (MeFOSE)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonamide (FOSA)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDDoDA)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctanoic acid (PFOA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluoroundecanoic acid (PFUnDA)	PFOA & PFOS [1]	Sum of all reported PFAS compound concentrations				
Groundwater Sampling Location	Date	Sample ID	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
			DL (October 2021)	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.050	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	-
			Health Canada PFAS Screening Values	0.2	0.2			15	0.6		0.6											30			0.2	0.2	0.02	0.2	0.2					1	0.0770	
			MECP Drinking Water Screening Values for Perfluorinated Chemicals																																0.07	
151 Fortune Line Rd	21/Dec/07	21-W046		<	<0.03	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	0.0033	<	
OW19	21/Oct/20	-																																		
OW22	21/Oct/20	-																																		
OW23	21/Oct/20	21-W032		<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	0.0033	<
OW24R01	21/Oct/20	21-W034		<	0.081	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	0.0033	0.086
	21/Oct/20	21-W035	dup	<	0.080	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	0.0033	0.085
FB	21/Oct/20	21-W025		<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	0.0033	<

Data Input: JMP
 Data Check: MW

Notes: "-" denotes not analyzed
 "DL" denotes detection limit
 "<" denotes results below detection limit
 "<#" denotes elevated detection limit
 "OW##" denote groundwater monitoring well
 "DUP" denotes duplicate sample
 "FB" denotes field blank
 indicates value exceeds Health Canada's Drinking Water Screening Values for perfluoroalkylated substances (PFAS)
 indicates value exceeds Drinking Water Screening Values for Perfluorinated Chemicals in Private Drinking Water Sources, Ministry of Environment, Conservation and Parks, memorandum dated July 25, 2017
 This table is intended to summarize analytical results provided by the Ministry of Environment, Conservation and Parks. For complete results please see the laboratory certificates.
 [1] calculated by Malroz and based on additivity principles outlined in Section 10.4 of Health Canada, 2018, Guidelines for Canadian Drinking Water Quality.
 The value is the sum of PFOA and PFOS concentration, each divided by their respective Health Canada screening values. Calculation includes detection limit values where results were below the detection limit as a conservative measure.

Appendix D
Correspondence

**Ministry of the
Environment,
Conservation and Parks**
Eastern Region
1259 Gardiners Road, Unit 3
Kingston ON K7P 3J6
Phone: 613.549.4000
or 1.800.267.0974

**Ministère de l'Environnement,
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et des Parcs**
Région de l'Est
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MEMORANDUM

May 13, 2021

TO: Nathalie Matthews
Senior Environmental Officer
Kingston District Office
Eastern Region

FROM: Alija Bos
Hydrogeologist
Water Resources Unit
Technical Support Section
Eastern Region

RE: 2020 Monitoring, Development and Operations Report
Briar Hill (Lyndhurst) Waste Disposal Site
Lot 8, Concession 1 Township of Leeds and the Thousand Islands

As requested, I have reviewed the following document entitled:

- “Briar Hill Waste Disposal Site 2020 Monitoring, Development and Operations Report” Environmental Compliance Approval No. A442 103 prepared by Malroz on March 25, 2021 for the Township of Leeds and the Thousand Islands.

Based upon the information provided in the documents above, I submit the following comments pertaining to groundwater monitoring for your consideration. I have provided main conclusions and recommendations in the “Summary” section of this memorandum.

Summary

- A leachate plume was noted in the waste area and downgradient in the underlying overburden wells.
- Township of Leeds and the Thousand Islands (TLTI) reportedly received a complaint about the burning of wood and brush at the Site from area residents on November 9, 2020. Following receiving this complaint, TLTI has stopped burning wood and brush at the site and are reviewing their processes to alleviate residents’ concerns.
- Groundwater monitoring was completed at the Site and one adjacent residential well.
- The groundwater chemistry of the residential well leachate indicator parameters (LIPs) were similar to background. Elevated DOC in the 122 Turk Rock Road residential well is not expected to be related to landfill activities.

- The bedrock groundwater chemistry at OW24 does show elevated concentrations of Manganese and Iron. Further assessment of the residential well located at 151 Fortune Line Road should be conducted.
- Based on the 2020 analyses, the existing and proposed Contaminant Attenuation Zone (CAZ) areas conforms to MECP Guideline B-7.
- The consultant indicated that LIPs in surface water are generally similar to background conditions, suggesting that leachate is not significantly impacting the surface water downstream of the Site. I believe that the potential for surface water impacts from groundwater exists at this site. The groundwater has the potential to discharge to surface water downgradient of the site. The ministry's surface water reviewer should be consulted.

The consultant has proposed the following amendments to the ECA and monitoring program:

- Based on the data collected it is Malroz's recommendation that the VOC monitoring at the WDS be reduced to annual spring sampling and the sample location list be reduced to include only wells where VOCs have historically been detected (L10, OW15-S, OW15-D, OW19, and OW22). I support this request.
- It was previously recommended by the MECP technical reviewer to amend the monitoring program and to reduce the sampling frequency at wells L2, L10, and L11 to annually. Given the stable groundwater chemistry in this former landfill area I support this request and propose sampling in the spring for these locations.
- The consultant proposes adding the residential well at 122 Turk Rock Road to future spring and fall groundwater sampling programs. I support this proposed amendment if the homeowner has no objections to this
- I request that sampling of a leachate well, two downgradient wells, and the two residential wells (151 Fortune Line Road and 122 Turk Rock Road) be conducted once a year for per and polyfluoroalkyl substances (PFAS).
- A reduced LIPs list for this site was provided by Malroz and consisted of ammonia, boron, conductivity, chloride, dissolved organic carbon (DOC), and iron.
- I would recommend keeping Alkalinity, and TDS in the assessment as well. This list should also be approved by the surface water reviewer as it is expected that some groundwater discharges to surface water at this site.
- Based on the current site CAZ lands the site does not conform to Reasonable Use Guideline B-7. A written plan outlining the purchase of additional property is expected to follow at a later date. I have not reviewed this plan, however I have reviewed the proposed western CAZ mapping (Figure 2a) and find it to be suitable.

Site Description

The Site is accessed from Turk Rock Road off Briar Hill Road. The Environmental Compliance Approval # A442103 permits a 2.4 hectare waste disposal area and transfer site. The site operates as a naturally attenuating site.

The site is adjacent to an active sand and gravel pit to the south, an agricultural property and a forested area to the west, and an agricultural/residential property to the north. Turk Rock Road is adjacent to the eastern property boundary, and a forested area is present further to the east.

Waste was previously deposited at the Briar Hill landfill on the northeastern segment of the Site. Following the closure of the former landfill area, filling activities began to the west, near the centre of the property. The leased land located to the west of the Site and the purchased land located to the north of the Site are intended to serve as a buffer zone for contaminant attenuation. We understand that the registration of the new property as a CAZ is on-going. It was noted in an email from Albert Paschkowiak on May 13th 2020 that a separate written plan outlining the purchase of additional property will follow at a later date. I have not reviewed this plan.

Malroz undertook inspections of the Site on April 29 and October 14, 2020. The maximum volumetric capacity approved for the Site is 85,600 m³ as reported in the ECA Section 7(4). This volume includes the waste, daily cover, intermediate cover and final cover. There is a remaining capacity of 54,356 m³. Based on the approved capacity of the Site, as reported in the ECA, and using an average rate of fill of 1,720 m³, the estimated remaining capacity of the site is approximately 32 years.

Environmental Compliance Approval

The Site operates under ECA No. A442103, amended in 2015, which permits a 2.4 hectare waste disposal area and transfer site within a total site area of 16 hectares.

Burning of waste is permitted in condition 2(6) of the ECA and historically been carried out at the Site, however TLTI stopped the burning of waste at the Site in November 2020 after receiving complaints from area residents.

Geology

Malroz indicates that bedrock underlying the southern two-thirds of the Site comprises Precambrian granitic gneiss, with the northern portion of the Site underlain by carbonate metasedimentary rocks.

Water well records show that the overburden consists of clay and sand, and ranges from approximately 3 to 11 metres thick.

Hydrogeology

Based on Malroz 2020 monitoring and survey data, the overburden groundwater from the Site appears to discharge to the unnamed stream north of the Site. Groundwater

elevations in the deeper bedrock wells suggest that the deep groundwater flow at the site is also towards the north. It is also noted that flowing artesian conditions are periodically observed at deeper groundwater well OW15-D. The influence of the various geologic units on the bedrock hydrogeology has not been fully assessed. The site topography slopes to the north west.

Groundwater – Surface Water Interaction

2020 monitoring program indicates a north to north-westerly flow in the overburden, towards an unnamed tributary of Morton Creek, just north of the Site. Based on monitoring and survey data, the overburden groundwater from the Site appears to discharge to the unnamed stream north of the Site. An unnamed tributary to Morton Creek flows east to west and is located north of the Site.

Surface water concerns were assessed under separate cover by a surface water reviewer. I believe that the potential for surface water impacts from groundwater exists at this site. The groundwater has the potential to discharge to surface water downgradient of the site. The consultant notes that surface water samples do not show adverse leachate impacts.

Groundwater Monitoring Results

Groundwater sampling was conducted in spring and fall by Malroz. The 2020 groundwater monitoring and sampling program consisted of sampling 16 overburden monitoring wells and four bedrock monitoring wells. Malroz also collected a groundwater sample from the residential well at 122 Turk Rock Road during the October sampling event. As requested Malroz completed hydraulic conductivity testing during the October sampling event at monitoring wells BW1, OW15-S, and OW22 using a bail tests. The hydraulic conductivity for the bedrock well BW1 was found to be 9.5×10^{-8} m/s which is within the expected range for this lithology. Overburden well OW15-S had a hydraulic conductivity of 5.5×10^{-8} m/s and OW22 was found to have 8.5×10^{-8} m/s. The hydraulic conductivity at monitoring well OW22 was lower than expected, but may be affected by the compaction of the overburden material.

Background Water Quality

Malroz determined that well OW20, located in an agricultural field and up-gradient from the waste mound is the most suitable to assess background groundwater quality. Background well OW20 exceeded the Ontario Drinking Water Standard (OWDS) for DOC during the spring and hardness during spring and fall sampling events. The background overburden groundwater exhibited elevated concentrations of DOC, TSS, and total phosphorus, which may be related to agricultural activities. It should be noted that OW21 was previously used to assess background groundwater quality at the site. Upon reviewing the trend analysis for OW20 the well has shown a fairly significant increase in DOC in the past 4 years. OW18 showed a similar trend. Both wells are thought to be impacted by agriculture.

Leachate Quality

Monitoring wells OW22 and OW19 were identified as leachate wells. Parameters exceeding the 75th percentile of background by 50% or more in both OW22 and OW19 are inferred to be representative of leachate and are listed below.

- Alkalinity
- Ammonia
- DOC
- Conductivity
- Hardness
- TDS
- TKN
- Chloride
- Aluminum
- Boron
- Calcium
- Iron
- Manganese
- Potassium
- Sodium
- Strontium

A reduced leachate indicating parameter (LIPs) list for this site was provided by Malroz and consisted of ammonia, boron, conductivity, chloride, dissolved organic carbon (DOC), and iron.

I would recommend keeping Alkalinity, and TDS in the assessment as well. Given the discharge of groundwater to surface water at this site, the surface water reviewer may have parameters they would like to have analyzed in groundwater as well.

Downgradient Water Quality - Overburden

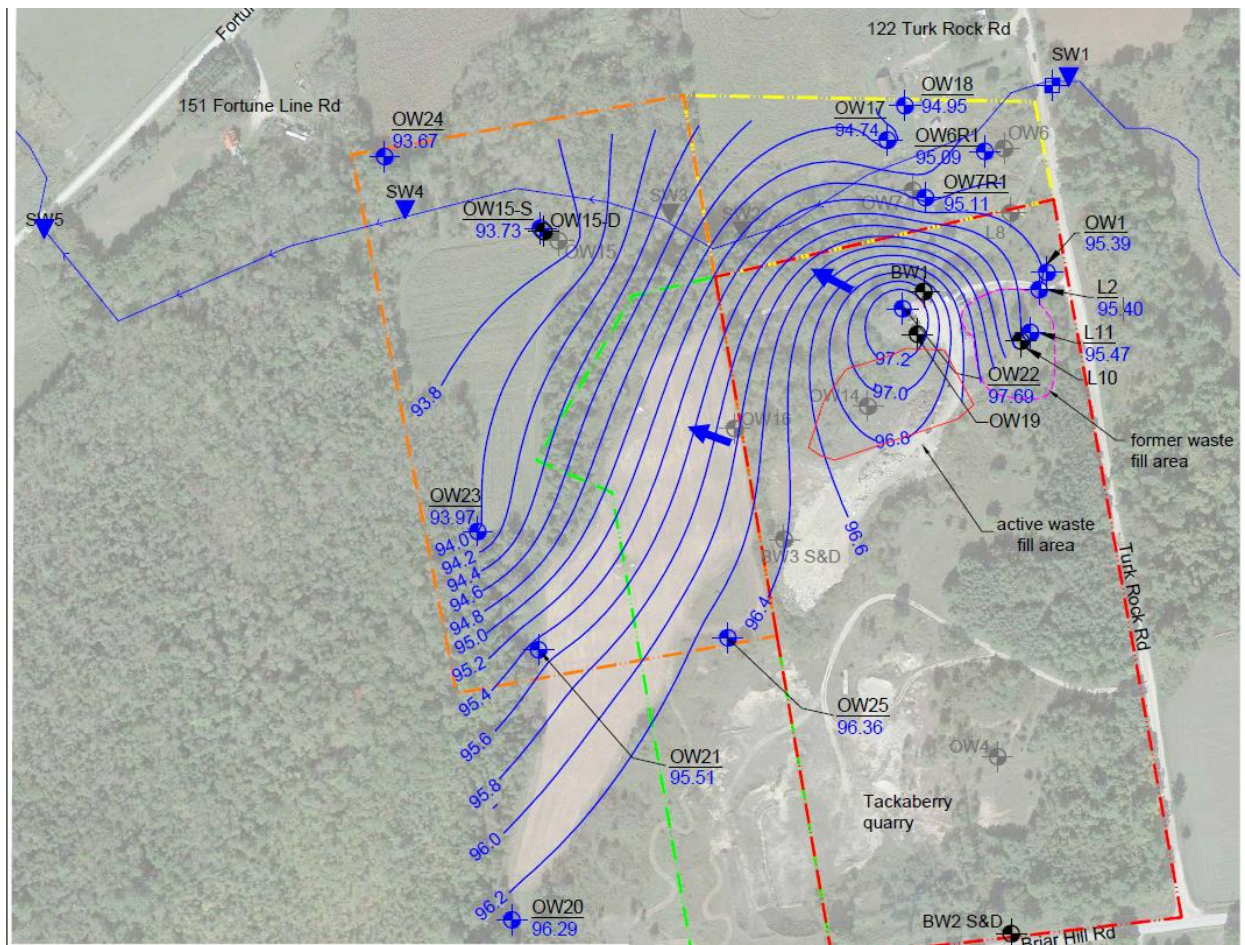
A number of exceedances of the ODWS were reported in 2020. Malroz notes with the exception of nitrate (a health-based parameter), the exceedances represent aesthetic objectives or operational guidelines and are not indicative of a threat to human health. As the groundwater likely discharges to surface water at this site, off-site impacts to overburden groundwater quality are not expected.

<u>Parameter</u>	<u>Spring</u>	<u>Fall</u>
Alkalinity	OW15-S, OW19, OW22	OW15-S, OW7R1
Aluminum	OW22	none
Chloride	OW1	none
DOC	L11, OW19, OW22	L2, OW7R1
Hardness	All wells sampled	All wells sampled
Iron	OW15-S, OW15-D, OW19, OW24	OW7R1, OW15-S, OW15-D, OW24
Manganese	OW7R1, OW15-D, OW17, OW19, OW22, OW24	OW7R1, OW17, OW15-D, OW24
Nitrate	OW21	none
TDS	OW1, OW6R1, OW15-S, OW15-D, OW19, OW22,	OW1, OW6R1, OW7R1, OW15-S, OW15-D, OW17,

Trend graphs of LIPs in the former landfill area suggest that this area is relatively stable and reduced monitoring is recommended by the consultant in this portion of the site. These recommendations are described in the conclusions.

Results from OW6R1 and OW7R1, located north and downgradient of the waste area, indicate that concentrations of LIPs are elevated compared to background. Monitoring wells OW6R1 and OW7R1 are located adjacent to the road and the elevated chloride and conductivity concentrations may be the result of road salting operations. The consultant also found that leachate appears to be present in these wells.

It was noted that Boron, DOC and Iron at monitoring wells OW6R1 and OW7R1 are lower than the leachate wells OW19 and OW22 which are closer in proximity to the waste, which suggests to attenuation or dilution is occurring in the marsh area downgradient and to the north of the waste as shown in the Malroz figure below.



L2, OW1 and L11 are located cross-gradient adjacent to the former landfill area. These monitors have elevated LIPs when compared to the background well OW20. These wells are in close proximity to the road as well and the consultant infers that road salting is impacting the groundwater at these locations.

Monitoring wells OW17 and OW18, located to the north of the unnamed tributary to Morton Creek, exhibited slightly elevated concentrations of LIPs (boron, conductivity, and chloride) when compared to the background. However, other LIPs such as iron and

ammonia at OW17 and OW18 were consistent with background concentrations. It was also noted that based on the conceptual site model and groundwater elevations that the flow direction on that side of the creek would be south towards to creek. The consultant hypothesizes that the elevated LIP concentrations are related to road salting impacts. Upon reviewing the chemistry the chloride concentrations in OW17 and OW18 do appear to be elevated in the fall sampling event, however other road salt parameters do not appear to be significantly elevated, as such, a portion of impacted groundwater may flow beneath the creek.

Leachate is migrating to the north and to the west from the Site within the overburden, and likely discharging to surface water features. There is the potential that leachate impacted groundwater is being discharged to the adjacent creek. The Regional Surface Water Reviewer should be consulted regarding this.

Downgradient Water Quality – Bedrock

The consultant indicates that BW2-S/D is located up-gradient of the Site and may represent background bedrock groundwater conditions. BW2-S exhibited elevated levels of chromium, hardness, TDS, and nitrate when compared to the ODWS.

BW1, located downgradient and adjacent to active and former waste fill areas, exhibited elevated concentrations of LIPs (DOC and boron) when compared to BW2-S/D. Bedrock well L10, located in the area of the former fill area, exhibited elevated concentrations of LIPs DOC, conductivity, chloride and boron.

<u>Parameter</u>	<u>Spring</u>	<u>Fall</u>
Alkalinity	L10	L10
Chromium	BW2-S	None
DOC	BW1, L10	OW15-D, L10, 122 Turk Rock Road
Hardness	All wells sampled	All wells sampled
Iron	BW1, L10	BW1, L10
Manganese	BW1, L10	BW1, L10
Nitrate	BW2-S	None
TDS	BW1, BW2-S, L10	BW2-S, L10

The consultant notes that with the exception of Chromium and Nitrate, that the exceedances represent aesthetic objectives or operation guidelines and are not a threat to human health.

I note that the groundwater chemistry at OW24 does show elevated concentrations of Manganese and Iron. Well OW15-D also shows values above the ODWS for Manganese and Iron. Given these elevated concentrations, further assessment of the residential well located at 151 Fortune Line Road should be conducted. This residential well has not been sampled since 2013. At that time it showed elevated concentrations of Manganese and Iron as well.

Volatile Organic Compound Analyses

Detectable concentrations of 1,1-dichloroethane (1,1-DCE), 1-4-dichlorobenzene, and/or cis-1,2-dichloroethylene were reported in samples collected from OW19 and L10 during one or more sampling events in 2020.

Conformance with Guideline B-7

Guideline B-7 applies to operating waste disposal sites and those closed after 1986. Guideline B-7 applies to the Briar Hill Waste Disposal Site. Guideline B-7 indicates that the quality cannot be degraded by an amount in excess of 50% of the difference between background and the Ontario Drinking Water Standards for non-health related parameters and in excess of 25% of the difference between background and the Ontario Drinking Water Standards for health-related parameters. Overburden well OW20 was used to calculate RULs applied to compliance wells OW1, OW18, and OW24. Bedrock well BW2-S was used to calculate bedrock RULs, which were applied to the residential well at 122 Turk Rock.

Exceedances of overburden RULs for chloride and iron at monitoring wells OW1, OW18, and OW24 are likely leachate related.

Based on the available data the site conforms to Reasonable Use Guideline B-7 provided that the proposed CAZ land is incorporated into the site / ECA. Given that groundwater is expected to discharge to the unnamed creek and based on the absence of groundwater receptors between the site boundary and the discharge point; the site meets the intent of Guideline B-7. Leachate impacted groundwater does not appear to be migrating beyond the unnamed creek, and elevated concentrations in those wells beyond the creek appear to be related to road salting or agricultural activities. The conceptual model suggests that groundwater discharges to the surface water. Exceedances of RULs at wells north of the Site indicates the potential for leachate impacts to the unnamed stream. The consultant indicates surface water results at sampling locations downstream of the Site indicate that concentrations of LIPs are generally similar to background conditions, suggesting that leachate is not significantly impacting the surface water downstream of the Site. The surface water reviewer should be consulted regarding this.

Based on the 2020 analyses, the existing and proposed CAZ areas conforms to MECP Guideline B-7, based on the inclusion of proposed CAZ lands to the north and west of the Site.

Conclusions and Recommendations

The landfill has an estimated life span of 32 years. Malroz has proposed the preparation of a closure plan for the Site. This is acceptable.

Monitoring should continue twice per year, in conformance with the ECA.

Based on the data collected it is Malroz's recommendation that the VOC monitoring at the WDS be reduced to annual spring sampling and the sample location list be reduced

to include only wells where VOCs have historically been detected (L10, OW15-S, OW15-D, OW19, and OW22). I support this request.

It was previously recommended by the MECP technical reviewer to amend the monitoring program and to reduce the sampling frequency at wells L2, L10, and L11 to annually. Given the stable groundwater chemistry in this former landfill area I support this request and propose sampling in the spring for these locations.

The consultant proposes adding the residential well at 122 Turk Rock Road to future spring and fall groundwater sampling programs. I support this proposed amendment if the homeowner has no objections to this and also would like to request adding the sampling of the well at 151 Fortune Line Road.

In order to better assess the potential impacts to the residential wells I would also like to request Per- and polyfluoroalkyl substances (PFAS) sampling. These samples are to be collected in a leachate well, 2 downgradient wells and the two downgradient domestic wells (122 Turk Rock Road and 151 Fortune Line Road).

The consultant proposes the Township acquire the property west of the site for CAZ lands, and apply to have the ECA amended to recognise lands to the north and west of the site as CAZ lands. I support this request and have reviewed the proposed site plan amendment. The written plan for these changes as requested by Nathalie Matthews on April 29th 2020 has not been reviewed.



Alija Bos

P.Geo., Hydrogeologist

ec: Roberto Sacilotto, Kingston District Supervisor
Dana Cruikshank, Surface Water Specialist
Nathalie Matthews, Sr. Environmental Officer
V. Castro, Water Resources Unit Supervisor
J. Mahoney, Technical Support Section Manager

c: GW File 01 02 LG LT Briar Hill WDS
AB / ECHO# 1-20615285

Appendix E
Water Well Records

Instructions for Completing Form

- For use in the Province of Ontario only. This document is a permanent legal document. Please retain for future reference. All Sections must be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form. Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203. All metre measurements shall be reported to 1/10th of a metre. Please print clearly in blue or black ink only.

Well Owner's Information and Location of Well Information

Ministry Use Only table with columns for MUN, CON, LOT.

LEEDSTOWN VILLE RR# Street Number/Name: 114 TURK ROCK R.D. City/Town/Village: REAR OF LEEDSTOWN VILLE Site/Compartment/Block/Tract etc.: 11

Log of Overburden and Bedrock Materials (see instructions)

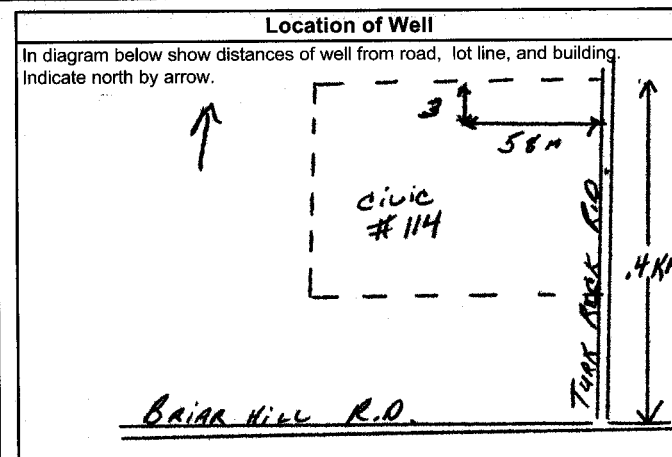
Table with columns: General Colour, Most common material, Other Materials, General Description, Depth From, Metres To. Includes entries for SAND, GRAVEL, SANDSTONE, and BENTONITE.

Hole Diameter table with columns: Depth From, Metres To, Diameter Centimetres. Includes Water Record section with checkboxes for Fresh, Sulphur, Gas, Salty, Minerals.

Construction Record table with columns: Inside diam centimetres, Material, Wall thickness centimetres, Depth From, Metres To. Includes sections for Casing and Screen.

Test of Well Yield table with columns: Pumping test method, Draw Down Time min, Water Level Metres, Recovery Time min, Water Level Metres. Includes handwritten notes like 'PUMP TEST'.

Plugging and Sealing Record table with columns: Depth set at - Metres From, To, Material and type, Volume Placed (cubic metres). Includes checkboxes for Annular space and Abandonment.



Method of Construction section with checkboxes for Cable Tool, Rotary (air), Diamond, Digging, Rotary (conventional), Air percussion, Jetting, Other, Rotary (reverse), Boring, Driving.

Water Use section with checkboxes for Domestic, Industrial, Public Supply, Stock, Commercial, Not used, Irrigation, Municipal, Cooling & air conditioning. Includes Final Status of Well section.

Audit No. Z 37623 Date Well Completed 06/3/16 Was the well owner's information package delivered? Yes No

Ministry Use Only section with fields for Data Source, Contractor 3202, Date Received APR 11 2006, Date of Inspection, Well Record Number.

CLUSTER WELL

A034114

Monitoring well
BW2-S and BW2-D

Instructions for Completing Form

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- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- All metre measurements shall be reported to 1/10th of a metre.
- Please print clearly in blue or black ink only.

Well Owner's Information and Location of Well Information

Ministry Use Only											
MUN				CON				LOT			

LEEDS + GRENVILLE RR#/Street Number/Name REAR OF LEEDS + LANSDOWNE City/Town/Village 18 11 Site/Compartment/Block/Tract etc.

GPS Reading NAD Zone Easting Northing Unit Make/Model Mode of Operation: Undifferentiated Averaged
 813 18 407003 4932733 MAGELLAN Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Metres To
BROWN	SAND	DEEP SCREEN SET	27.4 TO 24.4M	0	4.3
GREY/RED	GRANITE	SHALLOW SCREEN SET	15 TO 12M	4.3	15.2
RED	GRANITE			15.2	15.5
GREY/RED	GRANITE	BACK FILL MATERIAL		15.5	21.9
RED	GRANITE	27.7 TO 24.2 SAND		21.9	22.5
GREY	GRANITE	24.2 TO 15.5 BENTONITE		22.5	27.7
		15.5 TO 11.2 SAND			
		11.2 TO 2.4 BENTONITE			

Hole Diameter

Depth From	Metres To	Diameter Centimetres
0	4.8	25.4
4.8	27.7	15.25

Water Record

Water found at _____ Metres / Kind of Water

27 m Fresh Sulphur Gas Salty Minerals

Other: _____

_____ m Fresh Sulphur Gas Salty Minerals

Other: _____

After test of well yield, water was Clear and sediment free Other, specify _____

Chlorinated Yes No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To
15.8	<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	.48	0	4.8

Casing

Steel Fibreglass Plastic Concrete Galvanized

Screen

Outside diam Steel Fibreglass Plastic Concrete Galvanized Slot No. _____

No Casing or Screen

Open hole 4.8 27.7

Test of Well Yield

Pumping test method	Draw Down		Recovery	
	Time min	Water Level Metres	Time min	Water Level Metres
Pump intake set at - (metres)	Static Level			
Pumping rate - (litres/min)	1		1	
Duration of pumping _____ hrs + _____ min	20		2	
Final water level end of pumping _____ metres	3		3	
Recommended pump type <input type="checkbox"/> Shallow <input type="checkbox"/> Deep	4		4	
Recommended pump depth _____ metres	5		5	
Recommended pump rate (litres/min)	10		10.5	
If flowing give rate - (litres/min)	15		15	
If pumping discontinued, give reason.	20		20	
	25		25	
	30		30	
	40		40	
	50		50	
	60		60	

Plugging and Sealing Record Annular space Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
4.8	0	CEMENT SLURRY	.2

Method of Construction

Cable Tool Rotary (air) Diamond Digging

Rotary (conventional) Air percussion Jetting Other

Rotary (reverse) Boring Driving

Water Use

Domestic Industrial Public Supply Other

Stock Commercial Not used **MONITOR**

Irrigation Municipal Cooling & air conditioning

Final Status of Well

Water Supply Recharge well Unfinished Abandoned, (Other)

Observation well Abandoned, insufficient supply Dewatering **MONITOR**

Test Hole Abandoned, poor quality Replacement well

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.

BRIAR Hill R.O.

Audit No. **Z 37624** Date Well Completed YYYY MM DD 06 3 15

Was the well owner's information package delivered? Yes No Date Delivered YYYY MM DD

Well Contractor/Technician Information

Name of Well Contractor Well Contractor's Licence No.
JACK KNOX WELL DRILLING **3202**

Business Address (street name, number, city etc.)
GLEN BURNIE

Name of Well Technician (last name, first name) Well Technician's Licence No.
KNOX JOHN **2879**

Signature of Technician/Contractor Date Submitted YYYY MM DD
X Ron Knox

Ministry Use Only

Data Source Contractor
3202

Date Received YYYY MM DD Date of Inspection YYYY MM DD
APR 11 2006

Remarks Well Record Number

CLUSTER WELL
A034114

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

Well Owner's Information and Location of Well Information

MUN		CON		LOT	
-----	--	-----	--	-----	--

LEEDS + GRENVILLE **REAR OF LEEDS + LANSOWANE** 18 11
 RR#/Street Number/Name City/Town/Village Site/Compartment/Block/Tract etc.
114 TURK ROCK R.D **TW3**
 GPS Reading NAD Zone Easting Northing Unit Make/Model Mode of Operation
 8.3 18 406860 4793002 MAGELLAN Undifferentiated Averaged
 Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth Metres	
				From	To
BROWN	SAND + GRAVEL	DEEP SCREEN SET	14.9 TO 11.9	0	3.3
GREY	GRANITE	SHALLOW SCREEN SET	7.7 TO 4.7	3.3	14.3
RED GREY	GRANITE	BACK FILL MATERIAL		14.3	15.2
		15.2 TO 10.9	SAND		
		10.9 TO 8.4	BENTONITE		
		8.4 TO 4.5	SAND		
		4.5 TO 2.4	BENTONITE		

Hole Diameter

Depth From	Metres To	Diameter Centimetres
0	3.5	25.4
3.5	15.2	15.25

Water Record

Water found at 14.3 Metres / Kind of Water Fresh Sulphur Gas Salty Minerals Other: **UNTESTED**

7.6 m Fresh Sulphur Gas Salty Minerals Other: **UNTESTED**

m Fresh Sulphur Gas Salty Minerals Other: _____

After test of well yield, water was Clear and sediment free Other, specify _____

Chlorinated Yes No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth Metres	
			From	To
15.8	<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	.48	0	3.5

Casing

Steel Fibreglass Plastic Concrete Galvanized

Steel Fibreglass Plastic Concrete Galvanized

Steel Fibreglass Plastic Concrete Galvanized

Screen

Outside diam Steel Fibreglass Plastic Concrete Galvanized Slot No. _____

No Casing or Screen

Open hole _____ 3.5 15.2

Test of Well Yield

Pumping test method	Draw Down		Recovery	
	Time min	Water Level Metres	Time min	Water Level Metres
Pump intake set at - (metres)	Static Level			
Pumping rate - (litres/min)	1		1	
Duration of pumping hrs + min	2		2	
Final water level end of pumping metres	3		3	
Recommended pump type, <input type="checkbox"/> Shallow <input type="checkbox"/> Deep	4		4	
Recommended pump depth, metres	5		5	
Recommended pump rate, (litres/min)	10		10	
If flowing give rate - (litres/min)	15		15	
	20		20	
	25		25	
If pumping discontinued, give reason.	30		30	
	40		40	
	50		50	
	60		60	

Plugging and Sealing Record Annular space Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
3.5	0	CEMENT SLURRY	.2

Method of Construction

Cable Tool Rotary (air) Diamond Digging Rotary (conventional) Air percussion Jetting Other Rotary (reverse) Boring Driving

Water Use

Domestic Industrial Public Supply Other Stock Commercial Not used MONITOR Irrigation Municipal Cooling & air conditioning

Final Status of Well

Water Supply Recharge well Unfinished Abandoned, (Other) Observation well Abandoned, insufficient supply Dewatering MONITOR Test Hole Abandoned, poor quality Replacement well

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.

Audit No. **z 37625** Date Well Completed **06 3 21**

Was the well owner's information package delivered? Yes No Date Delivered _____

Well Contractor/Technician Information

Name of Well Contractor **JACK KNOX WELLDRIILLING** Well Contractor's Licence No. **3202**

Business Address (street name, number, city etc.) **GLENBURNIE**

Name of Well Technician (last name, first name) **Knox John** Well Technician's Licence No. **2879**

Signature of Technician/Contractor **John Knox** Date Submitted _____

Ministry Use Only

Data Source _____ Contractor **3202**

Date Received **APR 11 2006** Date of Inspection _____

Remarks _____ Well Record Number _____



Ministry of the Environment

15-0099-00

Well Record for Well Cluster - Part 1 of 3

(Only for Multiple Test Holes or Dewatering Wells)
Regulation 903 Ontario Water Resources Act

All measurements recorded in: Metric Imperial

Follow instructions on the front and back of this form. Print or Type

Well Tag No. of Deepest Well: (Print Well Tag No.)
A175283
Well # on Drawing of Deepest Well:

Page 1 of 3

Well Cluster Location Information

Address of Well Location (Street Number(s)/Name(s), RR, if available) Brier Hill & Turk Rock Rd.		Lot(s) 17818	Concession(s) 11	Geographic Township Leeds & 1000 Islands		County/District/Upper Tier Municipality Leeds & Grenville (United)
City, Town, Village or Hamlet Brier Hill / Lyndhurst		Province Ontario	GPS Unit Make	Model	Unit Mode of Operation <input type="checkbox"/> Undifferentiated <input type="checkbox"/> Averaged <input type="checkbox"/> Differentiated, specify: _____	

Mandatory Attachments/Additional Information

Land Owner Consent Form must be attached.
 Detailed Drawing of All Well Locations must be attached.

I, the person constructing the well, will promptly submit to the Director, on request, any additional information in my custody or control related to any well in the well cluster that I have constructed.

Signature of Technician/Contractor _____ Date (yyyy/mm/dd) _____

Well Details

Well # on Drawing	UTM Coordinates		Hole Depth (m/ft)	Hole Diameter (cm/in)	Method of Construction	Casing Material; Diameter (cm/in)	Casing (m/ft)		Screen Interval (m/ft)		Annular Space Material (m/ft)			Overburden/Bedrock or Abandonment Filing Material Intervals (m/ft)	Static Water Level (m/ft)	Date of Completion (yyyy/mm/dd)
	Zone	Eastings					Northings	From	To	From	To	From	To			
1	18	406929	4933106	17	8'	H.S.A.	Plastic	0	12	12	17					
2	18	406728	4933177	30	8"		2	0	25	25	30					2015/09/23
3	18	406724	4933179	12.5	8"			0	7.5	7.5	12.5					
4	18	406622	4933226	15				0	10	10	15					
5	18	406670	4932992	15				0	10	10	15					
6	18	406685	4932751	20				0	15	15	20					2015/09/23
7	18	406704	4932919	20				0	15	15	20					
8	18	406818	4932922	40				0	35	35	40					
9	18	406946	4933206	12				0	7	7	12					2015/09/24
10	18	406994	4933223	12				0	7	7	12					

Well Contractor and Well Technician Information

Business Name of Well Contractor Aardvaik Drilling Inc		Business Address (Street Number/Name, RR) 25C Lewis Rd		Municipality Guelph	Province ON
Postal Code N1H1E9	Bus. Telephone No. (519) 826 9340	Well Contractor's Licence No. 7238	Business E-mail Address info@aaardvaikdrillinginc.com		
Name of Well Technician (First Name, Last Name) Kyle Smith		Well Technician's Licence No. 3591	Signature of Well Technician [Signature]	Date Submitted (yyyy/mm/dd) 2015/10/01	

Date First Well in Cluster Constructed or Abandoned (yyyy/mm/dd) 2015/09/22	Date Last Well in Cluster Completed (yyyy/mm/dd) 2015/09/24
---	---

Ministry Use Only

Date Received (yyyy/mm/dd) _____ Audit No. **C 24076**

Comments: _____

Well Abandonment

Person Abandoning the Wells:
Name _____
(Print or Type) - See instruction 11 on the back of this form



Ontario

Ministry of
the Environment

Well Record for Well Cluster - Part 3
Detailed Drawing of All Well Locations

15-099-08

Note: This Well Record for Well Cluster Part 3 - Detailed Drawing of all Well Locations, must be attached to Parts 1 and 2. The drawing must include all property boundaries, an arrow indicating the North direction, all named roads and sufficient measurements to locate all wells in the cluster in relation to fixed points. The drawing must show the location of each well and each well must be numbered on the drawing to match number used for that well on the Well Record for Well Cluster Parts 1 and 2. The well with the well tag must be clearly identified on the Drawing.
UTM coordinates should appear beside each well, if space permits. Additional comments on wells can be included on the drawing

Well Tag Number: # A175 283

"Well Record for Well Cluster" Form Audit Number: # C24076



Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11

3615987

Municipality **36016** Con **COM** **02**

LEEDS

County or District Merrihue, Wolford		Township/Borough/City/Town/Village Township of Leeds, 1900 IS	Con block tract survey, etc. Con 2	Lot 18
Owner's surname Township of Leeds	First Name Bruce	Address Hill	Date completed 28 02 03 day month year	

Zone Easting Northing RC Elevation RC Basin Code ii iii iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)					
General colour	Most common material	Other materials	General description	Depth - feet	
				From	To
Brown	Sand	Peat & Clay	wet soft	0	8

31 32

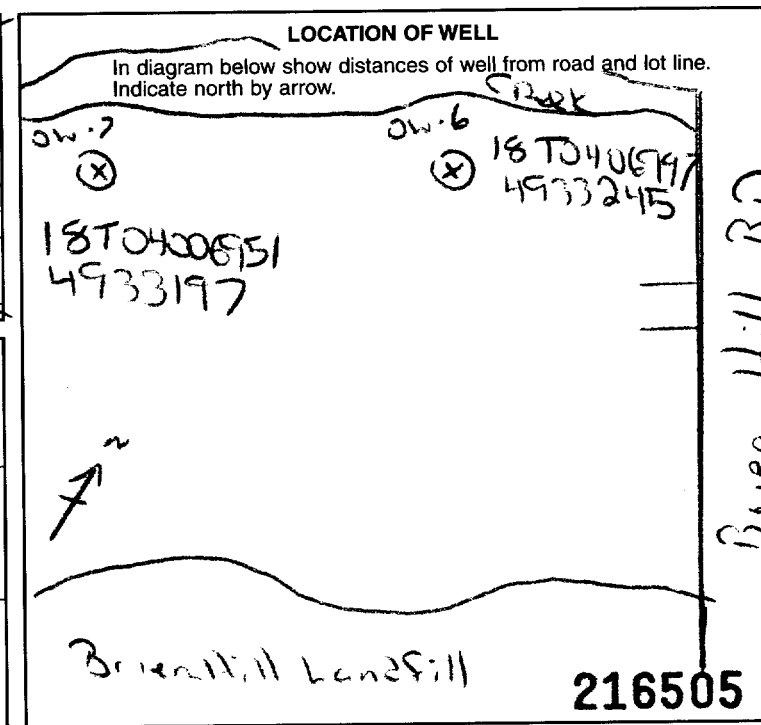
41 WATER RECORD	
Water found at - feet	Kind of water
10-13 2.5	1 <input type="checkbox"/> Fresh 2 <input type="checkbox"/> Salty 3 <input type="checkbox"/> Sulphur 4 <input type="checkbox"/> Minerals 5 <input type="checkbox"/> Gas
15-18	1 <input type="checkbox"/> Fresh 2 <input type="checkbox"/> Salty 3 <input type="checkbox"/> Sulphur 4 <input type="checkbox"/> Minerals 5 <input type="checkbox"/> Gas
20-23	1 <input type="checkbox"/> Fresh 2 <input type="checkbox"/> Salty 3 <input type="checkbox"/> Sulphur 4 <input type="checkbox"/> Minerals 5 <input type="checkbox"/> Gas
25-28	1 <input type="checkbox"/> Fresh 2 <input type="checkbox"/> Salty 3 <input type="checkbox"/> Sulphur 4 <input type="checkbox"/> Minerals 5 <input type="checkbox"/> Gas
30-33	1 <input type="checkbox"/> Fresh 2 <input type="checkbox"/> Salty 3 <input type="checkbox"/> Sulphur 4 <input type="checkbox"/> Minerals 5 <input type="checkbox"/> Gas

51 CASING & OPEN HOLE RECORD				
Inside diam inches	Material	Wall thickness inches	Depth - feet	
			From	To
10-11 2	1 <input type="checkbox"/> Steel 2 <input type="checkbox"/> Galvanized 3 <input type="checkbox"/> Concrete 4 <input checked="" type="checkbox"/> Open hole 5 <input type="checkbox"/> Plastic		0	8
17-18	1 <input type="checkbox"/> Steel 2 <input type="checkbox"/> Galvanized 3 <input type="checkbox"/> Concrete 4 <input type="checkbox"/> Open hole 5 <input type="checkbox"/> Plastic			20-23
24-25	1 <input type="checkbox"/> Steel 2 <input type="checkbox"/> Galvanized 3 <input type="checkbox"/> Concrete 4 <input type="checkbox"/> Open hole 5 <input type="checkbox"/> Plastic			27-30

SCREEN	Sizes of opening (Slot No.)	Diameter	Length
		0.10	1 inches
	Material and type PVC		Depth at top of screen 2.5 feet

61 PLUGGING & SEALING RECORD		
<input checked="" type="checkbox"/> Annular space <input type="checkbox"/> Abandonment		
Depth set at - feet		Material and type (Cement grout, bentonite, etc.)
From	To	
0	2	Grout
2	2.5	SAND

71 PUMPING TEST	Pumping test method	Pumping rate	Duration of pumping
	1 <input type="checkbox"/> Pump 2 <input type="checkbox"/> Bailer	GPM	Hours Mins
	Static level	Water level during	Water levels during
	19-21	15 minutes 26-28	30 minutes 29



54 FINAL STATUS OF WELL		
1 <input type="checkbox"/> Water supply	5 <input type="checkbox"/> Abandoned, insufficient supply	9 <input type="checkbox"/> Unfinished
2 <input checked="" type="checkbox"/> Observation well	6 <input type="checkbox"/> Abandoned, poor quality	10 <input type="checkbox"/> Replacement well
3 <input type="checkbox"/> Test hole	7 <input type="checkbox"/> Abandoned (Other)	
4 <input type="checkbox"/> Recharge well	8 <input type="checkbox"/> Dewatering	

55-56 WATER USE		
1 <input type="checkbox"/> Domestic	5 <input checked="" type="checkbox"/> Commercial	9 <input type="checkbox"/> Not use
2 <input type="checkbox"/> Stock	6 <input type="checkbox"/> Municipal	10 <input type="checkbox"/> Other
3 <input type="checkbox"/> Irrigation	7 <input type="checkbox"/> Public supply	
4 <input type="checkbox"/> Industrial	8 <input type="checkbox"/> Cooling & air conditioning	

57 METHOD OF CONSTRUCTION		
1 <input type="checkbox"/> Cable tool	5 <input type="checkbox"/> Air percussion	9 <input checked="" type="checkbox"/> Driving
2 <input type="checkbox"/> Rotary (conventional)	6 <input type="checkbox"/> Boring	10 <input type="checkbox"/> Digging
3 <input type="checkbox"/> Rotary (reverse)	7 <input type="checkbox"/> Diamond	11 <input type="checkbox"/> Other
4 <input type="checkbox"/> Rotary (air)	8 <input type="checkbox"/> Jetting	

Name of Well Contractor G.R.T. Drilling Ltd	Well Contractor's Licence No. 2085
Address RR6 Napanee	
Name of Well Technician Tom Harris	Well Technician's Licence No. T-2251
Signature of Technician/Contractor	
Submission date day 01 mo 08 yr 03	

MINISTRY USE ONLY	Data source	Contractor	Date received
		7085	OCT 07 2003
	Date of inspection	Inspector	Remarks

Master Well Owner's and Land Owner's Information

First Name: _____ Last Name: _____ E-mail Address: _____
 Township of Leeds and the 1000 Island
 Mailing Address (Street Number/Name, RR): 1 JESSIE ST. Municipality: Lonsdowne Province: ON Postal Code: K0E1L0G Telephone No. (inc. area code): 6136592415

Location and Construction of the Master Well in the Cluster

Address of Well Location (Street Number/Name, RR): 102-114 Turk Rock RD Township: Leeds and the 1000 Island Lot: 18 Concession: 2
 County/District/Municipality: Leeds and Grenville County City/Town/Village: Brier Hill Province: Ontario Postal Code: K0E1L0G
 UTM Coordinates: Zone: 18 Easting: 406914 Northing: 4933272 GPS Unit Make: Garmin Model: MAP53 Mode of Operation: Undifferentiated Averaged
 Differentiated, specify _____

Overburden and Bedrock Materials (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres)	
				From	To
Grey	Clay	s.H		0	3.04
Grey	Sand	s.H		3.04	5.18
Grey	Clay	s.H		5.18	6.09

Hole Details

Depth (Metres)	Diameter (Centimetres)	
	From	To
0	6.09	15.24 cm

Water Use

Public Industrial Not used Other, specify _____
 Domestic Commercial Dewatering
 Livestock Municipal Monitoring
 Irrigation Test Hole Cooling & Air Conditioning

Method of Construction

Cable Tool Air Percussion Digging
 Rotary (Conventional) Diamond Boring
 Rotary (Reverse) Jetting Other, specify _____
 Rotary (Air) Driving

Status of Well

Test Hole Abandoned, Insufficient Supply
 Replacement Well Abandoned, Poor Water Quality
 Dewatering Well Other, specify _____
 Alteration (Construction) Abandoned, other, specify _____

No Casing and Screen Used Yes No

Static Water Level Test
 Open Hole: _____ Metres (M/A)

Screen

Galvanized Steel Fibreglass Concrete Plastic
 Outside Diameter (Centimetres): 5.08 cm Slot No.: 0.10

Construction Details

Inside Diameter (Centimetres)	Material (steel, plastic, fibreglass, concrete, galvanized)	Wall Thickness	Depth (Metres)	
			From	To
5.08	Plastic casing	5cm 40	0	3.96
5.08	Plastic Screen	3cm 40	3.96	6.09

Water Details

Water found at Depth: 3.05 Metres Gas Fresh Salty Sulphur Minerals
 Water found at Depth: _____ Metres Gas Fresh Salty Sulphur Minerals
 Water found at Depth: _____ Metres Gas Fresh Salty Sulphur Minerals

Annular Space/Abandonment Sealing Record

Depth Set at (Metres)	Type of Sealant Used (Material and Type)	Volume Used (Cubic Metres)
0 to 2.13	Bentonite chips	
2.13 to 6.09	#3 Sand	

Disinfected Yes No If no, provide reason: Test Hole Date Master Well Completed (yyyy/mm/dd): 2010 01 05

Cluster Information (Please also fill out the additional Cluster Well Information for Well Construction for each parcel of land and cluster.)

Total Wells in Cluster: 3 Please indicate Number of Cluster Well Information Log Sheets Submitted: one
 Total Wells on this Property: ?

Location of Well Cluster

Detailed Map must be provided as an attachment no larger than legal size (8.5" x 14"). Sketches are not allowed.
 Check box to confirm detailed map is provided as per Section 11.1 (3)

Consent to release additional information concerning the cluster to the Director upon request

Well Contractor and Well Technician Information

Business Name of Well Contractor: G.E.T. Drilling LTD Well Contractor's Licence No.: 710815
 Business Address (Street No./Name, number, RR): 278 Drive-in RD Municipality: Napanee
 Province: ON Postal Code: K7R3L1 Business E-mail Address: get.drilling@sympatico.ca
 Bus. Telephone No. (inc. area code): 6133544767 Name of Well Technician (Last Name, First Name): Turnbull, Mike
 Well Technician's Licence No.: 3042 Signature of Technician: _____ Date Submitted (yyyy/mm/dd): 2010 01 20

Audit No.: M 02168 Well Contractor No.: _____
 Date Received (yyyy/mm/dd): JAN 28 2010 Date of Inspection (yyyy/mm/dd): _____
 Remarks: _____

Well Tag No. for Master Well (Print Well Tag No.)

A092772

Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Property Owner's Information

First Name: Township of Leeds and the 1000 Islands
 Last Name: [blank]
 Mailing Address (Street No./Name, RR): 1 Jessie St
 Municipality: Lensdownne
 Province: ON
 Postal Code: K0K1L0
 E-mail Address: [blank]
 Telephone No. (inc. area code): 6136592415

Cluster Well Information

Address of Well Location (Street Number/Name, RR): 102-114 Turk Rock Rd.
 Lot: 18
 Concession: 2
 Township: Leeds and the 1000 ISH.
 County/District/Municipality: Leeds and Grenville
 City/Town/Village: Brier Hill
 Province: Ontario
 Postal Code: K0K1L0
 GPS Unit Make: Garmin
 Model: map 83
 Unit Mode of Operation: Undifferentiated Averaged
 Differentiated, specify: [blank]

C
P
S
C
upon request

Signature of Technician/Contractor: [Signature]
 Date (yyyy/mm/dd): 2010 01 05

Well # on Sketch	UTM Coordinates		Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres)		Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
	Zone	Easting						Northing	From					
# 2	18	406941	4933232	3.65	15.24	Boring	PVC	1.52	1.52	3.65	Bentonite	N/A	OW17	2010 01 05
# 3	18	406934	4933109	2.89	15.24	Boring	PVC	1.37	1.37	2.89	Bentonite	N/A	OW19	2010 01 05

Well Contractor and Well Technician Information

Business Name of Well Contractor: GET Drilling LTD
 Business Address (Street Number/Name, RR): 278 Drive-in Rd
 Municipality: Napanee
 Province: ON
 Postal Code: K7R3L1
 Business Telephone No. (inc. area code): 6133544767
 Well Contractor's Licence No.: 7083
 Business E-mail Address: get-drilling@sympatico.ca
 Name of Well Technician (First Name, Last Name): Mike Turnbull
 Well Technician's Licence No.: 3042
 Date Submitted (yyyy/mm/dd): 2010 01 20
 Signature of Technician: [Signature]

Date 1st Well in Cluster Constructed (yyyy/mm/dd): 2010 01 05
 Date Last Well in Cluster Constructed (yyyy/mm/dd): 2010 01 05

Ministry Use Only

Date Received (yyyy/mm/dd): JAN 28 2010
 Date Inspected (yyyy/mm/dd): [blank]
 Audit No.: C07462
 Remarks: MOZ168

Imagery Date: Jul 25, 2005

41°39'41.20"N 76°09'15.57"W elev: 101 m

Imagery © 2010 DigitalGlobe
© 2009 Google
© 2008 Terra Atlas

Google
© 2010
Eye alt: 531 m

Location of Well Cluster
TAG # A092272
Brier Hill Landfill

TUCK ROCK RD

Landfill

Replacement

WELL #2

WELL #1

WELL #3

Barn

House

RT

JAN 28 2010

C-7085 m02168 C07462

3/3

No Tag

 Measurements recorded in: Metric Imperial

Well Owner's Information

First Name	Last Name / Organization Township of Leeds and the Thousand Islands	E-mail Address	<input type="checkbox"/> Well Constructed by Well Owner
Mailing Address (Street Number/Name) 1233 Prince St. P.O. Box 280	Municipality Landsdowne	Province ON	Postal Code K0E1L0
			Telephone No. (inc. area code) 613 659 0415

Well Location

Address of Well Location (Street Number/Name) 114 Turk Rock Rd	Township	Lot	Concession
County/District/Municipality	City/Town/Village Lindsay	Province Ontario	Postal Code K0E1N0
UTM Coordinates Zone: NAD 83 Easting: 181406944 Northing: 4933205	Municipal Plan and Sublot Number	Other	

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From To
	Peat		Wet	0 6'
3 MW's Abandoned on site in Cluster				
OW6, OW7, and L8				

Annular Space		
Depth Set at (m/ft) From To	Type of Sealant Used (Material and Type)	Volume Placed (m ³ /ft ³)
0 8' 3/8"	Hole Plug	

Method of Construction	Well Use
<input type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary (Conventional) <input type="checkbox"/> Rotary (Reverse) <input checked="" type="checkbox"/> Boring <input type="checkbox"/> Air percussion <input type="checkbox"/> Other, specify	<input type="checkbox"/> Public <input type="checkbox"/> Commercial <input type="checkbox"/> Not used <input type="checkbox"/> Domestic <input type="checkbox"/> Municipal <input type="checkbox"/> Dewatering <input checked="" type="checkbox"/> Test Hole <input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Livestock <input type="checkbox"/> Irrigation <input type="checkbox"/> Cooling & Air Conditioning <input type="checkbox"/> Industrial <input type="checkbox"/> Other, specify

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify
			From	To	
1"	Plastic	.25"	0	1'	

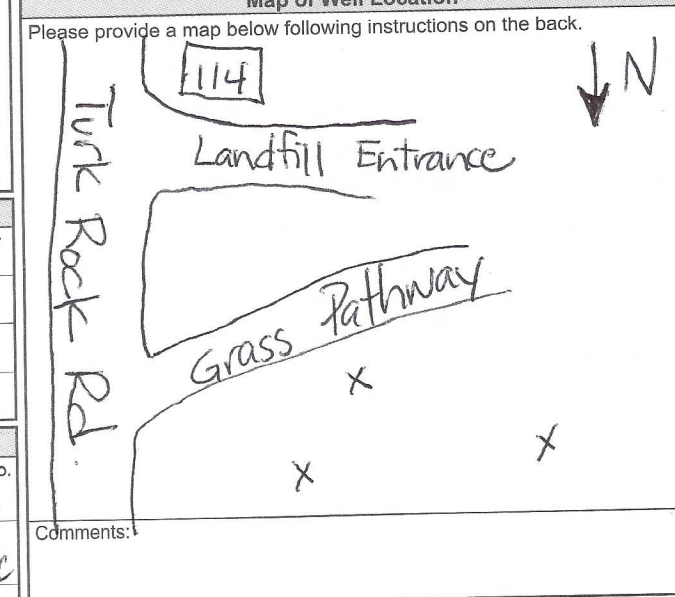
Construction Record - Screen				
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
1.25"	Plastic	.10	1'	6'

Water Details		Hole Diameter	
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft) From To	Diameter (cm/in)
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	0 8'	6"
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		

Well Contractor and Well Technician Information			
Business Name of Well Contractor Can. Envir. Drilling & Contractors Inc.	Well Contractor's Licence No. 71323		
Business Address (Street Number/Name) 4102 Perth Rd. Inverary	Municipality South Frontenac		
Province ON	Postal Code K0H1X0	Business E-mail Address Jonathan@canedc.com	

Bus. Telephone No. (inc. area code) 613 353 2231	Name of Well Technician (Last Name, First Name) FILSON JONATHAN	Date Submitted 2019/2/20
Well Technician's Licence No. 33115	Signature of Technician and/or Contractor <i>[Signature]</i>	

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason: Pump intake set at (m/ft) Pumping rate (l/min / GPM) Duration of pumping _____ hrs + _____ min Final water level end of pumping (m/ft) If flowing give rate (l/min / GPM) Recommended pump depth (m/ft) Recommended pump rate (l/min / GPM) Well production (l/min / GPM) Disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
10		10		
15		15		
20		20		
25		25		
30		30		
40		40		
50		50		
60		60		



Well owner's information package delivered <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered YYYYMMDD 20191028	Ministry Use Only Audit No. 322228 Received
Date Work Completed 20191028		

Appendix F
Attendant's Log Book

BRIAR HILL LANDFILL - BAG AND COMMERCIAL LOAD SUMMARY 2021

DATE	USERS	LOADS
January		
1/2/2021	105	0
1/4/2021	77	1
1/6/2021	68	0.75
1/7/2021	54	1
1/9/2021	156	0
1/11/2021	54	1
1/13/2021	62	0.5
1/14/2021	39	1
1/16/2021	112	0.25
1/18/2021	54	0.75
1/20/2021	62	1
1/21/2021	48	1
1/23/2021	147	1
1/25/2021	66	1
1/27/2021	41	1.5
1/28/2021	47	1
1/30/2021	121	0
February		
2/1/2021	51	0.25
2/3/2021	41	1
2/4/2021	57	1
2/6/2021	130	0
2/8/2021	53	0.75
2/10/2021	41	1
2/11/2021	49	1
2/13/2021	136	0
2/17/2021	58	1
2/18/2021	52	1
2/20/2021	138	0
2/22/2021	48	1
2/24/2021	70	1
2/25/2021	55	1
2/27/2021	129	0
March		
3/1/2021	68	0
3/3/2021	62	1.5
3/4/2021	65	1
3/6/2021	141	0.75
3/8/2021	65	0
3/10/2021	64	1.25
3/11/2021	53	1
3/13/2021	145	0
3/15/2021	61	0
3/17/2021	69	1.5
3/18/2021	46	1
3/20/2021	152	0.25
3/22/2021	61	0
3/24/2021	55	1.5
3/25/2021	47	0
3/27/2021	122	0.5
3/29/2021	62	0
3/31/2021	67	1.5

DATE	USERS	LOADS
April		
4/1/2021	66	1
4/3/2021	164	0
4/7/2021	98	1.5
4/8/2021	62	1
4/10/2021	155	1
4/12/2021	55	0
4/14/2021	68	2
4/15/2021	64	1
4/17/2021	148	0.25
4/19/2021	84	0
4/21/2021	34	1.5
4/22/2021	50	1
4/24/2021	161	0
4/26/2021	64	0
4/28/2021	49	0
4/29/2021	63	1
May		
5/1/2021	132	0
5/3/2021	44	1
5/5/2021	55	1.5
5/6/2021	65	1
5/8/2021	130	0
5/10/2021	62	0
5/12/2021	68	1.5
5/13/2021	72	1
5/15/2021	194	1
5/17/2021	87	0
5/19/2021	72	2.5
5/20/2021	53	1
5/22/2021	154	1
5/26/2021	107	2.75
5/27/2021	82	1
5/29/2021	160	0
5/31/2021	69	0
June		
6/2/2021	76	1
6/3/2021	42	1
6/5/2021	132	0
6/7/2021	57	0
6/9/2021	72	2
6/10/2021	76	1
6/12/2021	152	0.75
6/14/2021	69	0
6/16/2021	69	2
6/17/2021	81	1
6/19/2021	148	1
6/21/2021	74	0
6/23/2021	105	2
6/24/2021	75	1
6/26/2021	142	0
6/28/2021	78	0
6/30/2021	97	2

DATE	USERS	LOADS
July		
7/3/2021	208	0
7/5/2021	102	0
7/7/2021	61	2
7/8/2021	78	1
7/10/2021	192	0
7/12/2021	114	0
7/14/2021	89	3
7/15/2021	98	1
7/17/2021	155	0
7/19/2021	79	0
7/21/2021	71	4
7/22/2021	63	1
7/24/2021	164	0
7/26/2021	114	0
7/28/2021	87	3
7/29/2021	73	1
7/31/2021	178	1
August		
8/4/2021	131	2
8/5/2021	78	1
8/7/2021	181	1
8/9/2021	96	0
8/11/2021	98	2
8/12/2021	72	1
8/14/2021	168	3
8/16/2021	79	0
8/18/2021	77	2
8/19/2021	51	1
8/21/2021	178	1
8/23/2021	92	0
8/25/2021	88	3
8/26/2021	78	1
8/28/2021	174	1
8/30/2021	67	0
September		
9/1/2021	79	2
9/3/2021	74	1
9/4/2021	212	0
9/8/2021	102	2
9/9/2021	103	1.5
9/11/2021	195	0
9/13/2021	107	0
9/15/2021	77	2
9/16/2021	85	1
9/18/2021	232	1
9/20/2021	82	0
9/22/2021	54	2
9/23/2021	54	1
9/25/2021	172	0
9/27/2021	58	0
9/29/2021	83	0

DATE	USERS	LOADS
October		
10/2/2021	167	1
10/4/2021	70	0
10/5/2021	85	2
10/7/2021	78	1
10/9/2021	173	1
10/13/2021	104	2
10/14/2021	68	1
10/16/2021	114	0.5
10/18/2021	72	0
10/20/2021	72	2
10/21/2021	67	1
10/23/2021	168	1
10/25/2021	48	0
10/27/2021	64	2
10/28/2021	67	1
10/30/2021	163	1
November		
11/1/2021	74	0
11/3/2021	77	2
11/4/2021	68	1
11/6/2021	158	1
11/8/2021	67	0
11/10/2021	67	2
11/13/2021	164	2
11/15/2021	58	0
11/17/2021	67	2
11/18/2021	36	0
11/20/2021	154	0
11/22/2021	60	0
11/24/2021	70	2
11/25/2021	56	1
11/27/2021	143	1
201-11-29	51	0
December		
12/1/2021	46	0
12/2/2021	42	1
12/4/2021	144	0
12/6/2021	29	0
12/8/2021	36	1.75
12/9/2021	58	1
12/11/2021	130	0
12/13/2021	74	0
12/15/2021	64	2
12/16/2021	73	1
12/18/2021	151	1
12/20/2021	50	0
12/22/2021	77	1.75
12/29/2021	94	2
12/30/2021	113	1
TOTAL		
TOTAL	17,896	168.25

Input: KP
 Check: JMP



Lansdowne
 Lyndhurst
 Escott

DATE: Jan 2 / 2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
Snow Storm Today made Traffic slower

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 105

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____

DATE: Jan 4/2024 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	<input checked="" type="checkbox"/> / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
DATE BINS WERE ORDERED: / /
DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:45	Stander	Garbage Recycling	FULL	Y

TOTAL COUNT OF HOUSEHOLD USERS: 77

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stafford
OFFICE USE: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Jan 6 / 2021 TIME: _____ STAFF: _____

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: Jan 4 / 2021 Steel / mixed / paper
 DATES BINS WERE PICKED UP: Jan 15 / 2021 mixed / occ

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
Organic bins emptied. Brush hauled To Lansdowne
ordered oil containers

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:00	ELVidge	Garbage Recycling	3/4	Y

TOTAL COUNT OF HOUSEHOLD USERS: 168

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / ~~No~~
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Jan 7 / 2021 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Windblown Litter:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	<u>Covered with snow</u>
Leachate Springs:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Animals:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Other:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1 / 1
 DATES BINS WERE PICKED UP: Jan 7 / 2021 paper

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
Tires picked up

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:15</u>	<u>Matisse</u>	<u>Garbage Recycling</u>	<u>FULL</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 54

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stafford
 OFFICE USE: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Jan 9/2021 TIME: _____ STAFF: _____

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
DATE BINS WERE ORDERED: 1/1 _____
DATES BINS WERE PICKED UP: Jan 8/2021 paper / mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 156

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stafford
OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Jan 11/2021 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Windblown Litter:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Leachate Springs:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Animals:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Other:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: Jan 11/2021 TYPE: paper / mixed

DATES BINS WERE PICKED UP: 1 / 1

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
11:10	Stander	Garbage Recycling	Full	<input checked="" type="checkbox"/>

TOTAL COUNT OF HOUSEHOLD USERS: 54

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE: John Stafford Print Staff Name: John Stafford

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Jan 13 / 2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: Jan/13/2021 000
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
Oil containers were emptied

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:30	EL vidge	Garbage Recycling	1/2	Y

TOTAL COUNT OF HOUSEHOLD USERS: 62

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: ~~Yes~~ / No
 DETAILS: Garbage compacted and covered

APPLICATION OF DUST SUPPRESSANT: ~~Yes~~ / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: ~~Yes~~ / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Jan 14/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:10	Matisse	Garbage Recycling	Full	Y

TOTAL COUNT OF HOUSEHOLD USERS: 39

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE:
 Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Jan 16 / 2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / <u>No</u>	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / <u>No</u>	
Other:	Yes / <u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1 / 1
 DATES BINS WERE PICKED UP: Jan 15 / 2021 mixed / paper / OCC

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
Slow due to snow storm

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30	ELridge	Garbage - Recycling	1/4	Y

TOTAL COUNT OF HOUSEHOLD USERS: 112

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Jan 18 / 2021 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: Jan 13 / 2021 paper / mixed
 DATES BINS WERE PICKED UP: 1 / 1

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:40</u>	<u>Standard</u>	<u>Garbage Recycling</u>	<u>3/4</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 54

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Jan 20/2021 TIME: 8:20 STAFF: John Stalker

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<input checked="" type="checkbox"/> / <input checked="" type="checkbox"/>	
Windblown Litter:	<input checked="" type="checkbox"/> / <input checked="" type="checkbox"/>	
Leachate Springs:	<input checked="" type="checkbox"/> / <input checked="" type="checkbox"/>	
Animals:	<input checked="" type="checkbox"/> / <input checked="" type="checkbox"/>	
Other:	<input checked="" type="checkbox"/> / <input checked="" type="checkbox"/>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
Organic pick up

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:10	FEL vidge	Garbage Recycling	Full	X

TOTAL COUNT OF HOUSEHOLD USERS: 62

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stalker

OFFICE USE:
 Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Jan 21/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<input checked="" type="checkbox"/>	
Windblown Litter:	<input type="checkbox"/>	
Leachate Springs:	<input checked="" type="checkbox"/>	
Animals:	<input checked="" type="checkbox"/>	
Other:	<input checked="" type="checkbox"/>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
Slower due to snow fall

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:20	Matisse	Garbage Recycling	to be	✓

TOTAL COUNT OF HOUSEHOLD USERS: 48

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: January 23/21 TIME: 8:30 am STAFF: Allan McRae

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / <u>No</u>	
Windblown Litter:	<u>Yes</u> / No	<u>Boundaries</u>
Leachate Springs:	Yes / <u>No</u>	
Animals:	<u>Yes</u> / No	<u>Birds</u>
Other:	<u>Yes</u> / <u>No</u>	<u>Ice & Snow</u>

RECOMMENDED ACTIONS / ACTIONS TAKEN: (Ice) Put down Salt
(Snow) Swept down CATWALKS

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>2:30pm</u>	<u>Private</u>	<u>Drywall</u>	<u>orange 65⁰⁰ TAP</u>	<u>Yes</u>

TOTAL COUNT OF HOUSEHOLD USERS: 147

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:
 Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Jan 25/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / <u>No</u>	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / <u>No</u>	
Animals:	Yes / <u>No</u>	
Other:	Yes / <u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: Jan/25/2021 mixed / OCC
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>11:05</u>	<u>Standard</u>	<u>Garbage + Recycle</u>	<u>FULL</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 66

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stafford

OFFICE USE:
 Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Jan 27/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
DATE BINS WERE ORDERED: Jan / 27 / 2021 E waste
DATES BINS WERE PICKED UP: Jan / 27 / 2021 E waste

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:00	EL widge	Garbage Recycling	Full	Y
10:35	"	"	1/2	Y

TOTAL COUNT OF HOUSEHOLD USERS: 41

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Jan 28/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1/1
 DATES BINS WERE PICKED UP: Jan/28/2021 mixed / OCC

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:45	Motisse	Garbage Recycling	FULL	Y

TOTAL COUNT OF HOUSEHOLD USERS: 47

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / ~~No~~
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Jan 30/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ **TYPE** _____
 DATE BINS WERE ORDERED: / /
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 121

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford **Print Staff Name:** John Stafford

OFFICE USE:
 Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Feb 1 / 2021 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE

DATE BINS WERE ORDERED: Feb 1 / 2021 Paper / mixed

DATES BINS WERE PICKED UP: 1 / 1

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>11:30</u>	<u>Stander</u>	<u>Garbage/Recycling</u>	<u>Y4</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 51

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

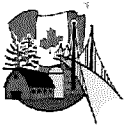
COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Feb 3/2021 TIME: 8:25 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1/1
 DATES BINS WERE PICKED UP: Feb 2/2021 paper/mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
organic pick up

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:05</u>	<u>EL vidge</u>	<u>Garbage/Recycling</u>	<u>Full</u>	<u>X</u>

TOTAL COUNT OF HOUSEHOLD USERS: 41

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: JOHN STAFFORD
 OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Feb 4 / 2021 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>No</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: Feb / 4 / 2021 mixed / OCC
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:30</u>	<u>matisse</u>	<u>Garbage/Recycling</u>	<u>FULL</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 57

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE: [Signature] Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



DATE: Feb 6 / 2021 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 130

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Feb 9 / 2021 TIME: 8:25 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>No</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE

DATE BINS WERE ORDERED: 1 / 1

DATES BINS WERE PICKED UP: Feb 19 / 2021 Mixed / OCC

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>11:05</u>	<u>Stander</u>	<u>Garbage & Recycling</u>	<u>B/4</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 53

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE: John Stafford Print Staff Name: John Stafford

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Feb 10 / 2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
Garbage compacted and covered. Backhoe removed snow from around bins

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:00	EL vidje	Garbage Recycling	Full	Y

TOTAL COUNT OF HOUSEHOLD USERS: 41

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Feb 11/2011 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: Feb 11/2011 paper/mixed
 DATES BINS WERE PICKED UP: 1/1

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:20</u>	<u>matiste</u>	<u>Garbage/Recycling</u>	<u>Fulu</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 49

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lyndhurst
 Escott

DATE: Feb 13/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / <u>No</u>	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / <u>No</u>	_____
Animals:	Yes / <u>No</u>	_____
Other:	Yes / <u>No</u>	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ **TYPE** _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 126

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Feb 17/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / /
 DATES BINS WERE PICKED UP: Feb/16/2021 paper / mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
Organic was picked up

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:30	ELVidge	Garbage/Recycling	Full	Y

TOTAL COUNT OF HOUSEHOLD USERS: 58

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE:
 Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Feb 18/2021 TIME: 8:15 STAFF: John Stofhard

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: Feb/18/2021 TYPE: occ/mixed

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
11:00	matisse	garbage recycling	Full	Y

TOTAL COUNT OF HOUSEHOLD USERS: 52

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / ~~No~~

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE: John Stofhard Print Staff Name: John Stofhard

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Feb 20/2021 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE _____
 DATE BINS WERE ORDERED: / /
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 138

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford **Print Staff Name:** John Stafford
OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Feb 22/2021 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: Feb/22/2021 paper
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Backhoe compacted bins. And removed snow around bins. Heavy snow today

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:55</u>	<u>Standen</u>	<u>Garbage Recycling</u>	<u>3/4</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 48

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / ~~No~~

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / ~~No~~

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Feb 24/2021 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1/1
 DATES BINS WERE PICKED UP: Feb/23/2021 OCC / mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:00</u>	<u>EL vidge</u>	<u>Garbage Recycling</u>	<u>full</u>	<u>X</u>

TOTAL COUNT OF HOUSEHOLD USERS: 70

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Feb 25/2002 TIME: 8:25 STAFF: John Stalder

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / <u>No</u>	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / <u>No</u>	_____
Animals:	Yes / <u>No</u>	_____
Other:	Yes / <u>No</u>	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:15</u>	<u>Matisse</u>	<u>Garbage Recycling</u>	<u>Full</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 55

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stalder Print Staff Name: John Stalder

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Feb 27/2021 TIME: 9:05 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ **TYPE** _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 129

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford **Print Staff Name:** John Stafford
OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: MAR 1 / 2021 TIME: 9:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: MAR TYPE Mixed
 DATE BINS WERE ORDERED: 1 / 1 / 2021
 DATES BINS WERE PICKED UP: 1 / 1

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 68

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: ~~Yes~~ / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: ~~Yes~~ / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: ~~Yes~~ / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: MAR 3 / 2021 TIME: 9:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Windblown Litter:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Leachate Springs:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Animals:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Other:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1 / 1
 DATES BINS WERE PICKED UP: MAR 3 / 2021 mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
Organic pick up

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:30	ELWIDGE	Household Recycling	FULL	✓
11:00	IP	" "	1/2	✓

TOTAL COUNT OF HOUSEHOLD USERS: 62

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: MAR 7 / 2011 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Windblown Litter:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Leachate Springs:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Animals:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Other:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: MAR 4 / 2011 occ / mixed / paper
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
Backhoe compacted bins

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:45</u>	<u>matiscs</u>	<u>wastage Recycling</u>	<u>full</u>	<u>y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 65

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: MAR 6/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
11:30	STANDER	Garbage Recycling	3/4	/

TOTAL COUNT OF HOUSEHOLD USERS: 141

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: ~~_____~~ TIME: 8:15 STAFF: John Stoford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: MAR 10 / 2021 TYPE: Steel

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Backhoe compacted bins and took brush away

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 65

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No Yes

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No Yes

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No No

If Yes, complaint file number(s) and topic: _____

SIGNATURE: John Stoford Print Staff Name: John Stoford

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: MAR 10/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	<u>Along entryway and around bins</u>
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: MAR 10/2021 mixed
 DATES BINS WERE PICKED UP: MAR 9/2021 paper/mixed/MAR 10/0CC

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:45</u>	<u>EL vidge</u>	<u>Garbage</u>	<u>FULL</u>	<u>✓</u>
<u>10:20</u>	<u>EL vidge</u>	<u>Recycling</u>	<u>1/4</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 64

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: Extra help is here today starting Spring cleanup

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE: John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: MAR 11 / 2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE _____

DATE BINS WERE ORDERED: / / _____

DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:30	Matise	Garbage Recycling	Full	Y

TOTAL COUNT OF HOUSEHOLD USERS: 53

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: ~~_____~~

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: MAR 13/2021 TIME: 9:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1/1
 DATES BINS WERE PICKED UP: MAR 12/2021 Steel / mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 145

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: March 15/2021 TIME: 8.15 AM STAFF: ALLAN MCRAE

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / <u>No</u>	
Windblown Litter:	<u>Yes</u> / No	<u>along Roadside clean-up. AR</u>
Leachate Springs:	Yes / <u>No</u>	
Animals:	Yes / <u>No</u>	
Other:	Yes / <u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 61

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: along Roadside / Clean-up.

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / ~~No~~
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE Allan McRae Print Staff Name: ALLAN MCRAE
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: MAR 17/2021 TIME: _____ STAFF: _____

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: MAR/17/2021 PAPER / OCC / MIXED
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Organic pick up

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:00	Elvidge	Garbage	FULL	Y
10:45	"	Recycling	1/2	Y

TOTAL COUNT OF HOUSEHOLD USERS: 69

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: MAR 18 / 2011 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ **TYPE:** _____
 DATE BINS WERE ORDERED: / /
 DATES BINS WERE PICKED UP: MAR 18 / 2011 mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Backhoe compacted bins picked up garbage along the road

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:35	MATISSE	Garbage Recycling	FULL	Y

TOTAL COUNT OF HOUSEHOLD USERS: 46

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: MAR 27 2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1 / 1 _____
 DATES BINS WERE PICKED UP: Mar 19 / 2021 paper OCC

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
11:05	STander	wastebag Recycling	1/4	Y

TOTAL COUNT OF HOUSEHOLD USERS: 152

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: MAR 22/2011 TIME: 8:25 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	<u>South and north of entryway and around bins</u>
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
DATE BINS WERE ORDERED: / / _____
DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 61

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
IF NO: Waste Sent To: _____

LITTER CONTROL: ~~Yes~~ / No
DETAILS: Picked up litter around bins and entryway

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: MAR 24/2021 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
DATE BINS WERE ORDERED: MAR 24/2021 mixed / paper / OCC
DATES BINS WERE PICKED UP: 1 / 1

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:55	ELVIDGE	Garbage Recycling	Full	Y
11:30	"	"	1/2	Y

TOTAL COUNT OF HOUSEHOLD USERS: 55

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
IF NO: Waste Sent To: _____

LITTER CONTROL: ~~Yes~~ / No
DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: ~~Yes~~ / No
DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
DETAILS: _____

COMPLAINTS RECEIVED: ~~Yes~~ / No
If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: MAR 25 / 2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: MAR/25/2021 Cancelled / paper / occ
 DATES BINS WERE PICKED UP: MAR/25/2021 mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 47

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: MAR 27 / 2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	<u>Yes</u>	
Windblown Litter:	<u>Yes</u>	
Leachate Springs:	<u>Yes</u>	
Animals:	<u>Yes</u>	
Other:	<u>Yes</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / / _____

DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>11:05</u>	<u>Stander</u>	<u>Garbage Recycling</u>	<u>1/2</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 122

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: MAR/29/2021 TIME: 8:15 STAFF: John Stokard

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<input checked="" type="checkbox"/>	
Windblown Litter:	<input checked="" type="checkbox"/>	
Leachate Springs:	<input checked="" type="checkbox"/>	
Animals:	<input checked="" type="checkbox"/>	
Other:	<input checked="" type="checkbox"/>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE

DATE BINS WERE ORDERED: MAR/29/2021 OC/STEEL/EWASTE

DATES BINS WERE PICKED UP: MAR/29/2021 PAPER/MIXED

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
Backhoe pushed garbage up and compacted bins

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 62

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stokard

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: MAR 31/2021 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<u>Yes</u> / No	
Windblown Litter:	<u>Yes</u> / No	
Leachate Springs:	<u>Yes</u> / No	
Animals:	<u>Yes</u> / No	
Other:	<u>Yes</u> / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
DATE BINS WERE ORDERED: 1/1 / E Waste
DATES BINS WERE PICKED UP: MAR 31/2021 Compost

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>11:45</u>	<u>Unknown</u>	<u>Not from our Township</u>

OTHER COMMENTS / OBSERVATIONS
There is extra personnel here today to help with clean up

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:30</u>	<u>Elridge</u>	<u>Garbage</u>	<u>Full</u>	<u>Y</u>
<u>11:05</u>	<u>"</u>	<u>Recycling</u>	<u>1/2</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 67

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: APR 1 / 2021 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: APR 1 / 2021 Mixed
 DATES BINS WERE PICKED UP: APR 1 / 2021 Steel / OCC

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:30	Matiss	Garbage Recycling	Full	✓

TOTAL COUNT OF HOUSEHOLD USERS: 66

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / ~~No~~
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Ly.
 Escott

DATE: APR 3/2021 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
9:20	Unknown	NOT FROM THIS TOWNSHIP
11:50	"	"

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 164

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: APR 7/2011 TIME: 8:15 STAFF: John Stoltard

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: APR 7/2011 mixed / paper / steel
 DATES BINS WERE PICKED UP: APR 6/2011 mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>10:50</u>	<u>Unknown</u>	<u>NOT from our Township</u>

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:30</u>	<u>ELVidge</u>	<u>Garbage</u>	<u>Full</u>	<u>Y</u>
<u>11:00</u>	<u>"</u>	<u>Recycling</u>	<u>1/2</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 90

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No

IF NO: Waste Sent To: _____

LITTER CONTROL: ~~Yes~~ / No

DETAILS: Picked up garbage along entrance way

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stoltard Print Staff Name: John Stoltard

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: APR 8 / 2011 TIME: 8:20 STAFF: John Stolford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>No</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: / / TYPE / /
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Buckhoe compacted bins

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:30</u>	<u>MATISSE</u>	<u>Garbage Recycling</u>	<u>Full</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 62

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stolford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of
**Leeds and the
Thousand Islands**

1233 Prince Street, P.O. Box 280
Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: APR 10/2021 TIME: 8:15 STAFF: John Stokham

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ **TYPE** _____

DATE BINS WERE ORDERED: 1/1

DATES BINS WERE PICKED UP: APR 9/2021 mixed / paper / steel

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
11:05	Sanden	Garbage Recycling	Full	Y

TOTAL COUNT OF HOUSEHOLD USERS: 155

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stokham **Print Staff Name:** John Stokham

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: APR 12 / 2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<input checked="" type="checkbox"/>	
Windblown Litter:	<input checked="" type="checkbox"/>	<u>North and south side of entrance way</u>
Leachate Springs:	<input checked="" type="checkbox"/>	
Animals:	<input checked="" type="checkbox"/>	
Other:	<input checked="" type="checkbox"/>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: APR 12 / 2021 mixed
 DATES BINS WERE PICKED UP: APR 12 / 2021 oil containers

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 55

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: Cleaned up around bins

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: APR 14/2021 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<u>Yes</u>	
Windblown Litter:	<u>Yes</u>	
Leachate Springs:	<u>Yes</u>	
Animals:	<u>Yes</u>	
Other:	<u>Yes</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1/1
 DATES BINS WERE PICKED UP: APR 14/2021 mixed/organic

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:50	EL vidge	Garbage	FULL	<u>Y</u>
11:30	"	Recycling	3/4	<u>Y</u>
11:55	"	"	1/4	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 68

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: _____ Yes / No Yes
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No Yes
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No Yes
 DETAILS: _____

COMPLAINTS RECEIVED: _____ Yes / No Yes

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: APR 15/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: APR 15/2021 Mixed / paper
 DATES BINS WERE PICKED UP: APR 15/2021 E-waste

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:50</u>	<u>AdTISRE</u>	<u>Garbage Recycling</u>	<u>Full</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 64

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: APR 17/2021 TIME: _____ STAFF: _____

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
11:20	Storden	Garbage Recycling	1/4	Y

TOTAL COUNT OF HOUSEHOLD USERS: 148

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: _____ Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: ~~Yes~~ / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: _____ Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: APR 19/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<u>Yes</u> / No	
Windblown Litter:	<u>Yes</u> / No	
Leachate Springs:	<u>Yes</u> / No	
Animals:	<u>Yes</u> / No	
Other:	<u>Yes</u> / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: APR 19/2021 Steel / mixed / occ
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 84

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: Picked up windblown litter along entrance way and around bins

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: APR 21/2011 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>No</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1/1
 DATES BINS WERE PICKED UP: APR 20/2011 paper / mixed
APR 21/2011 steel

TIME	HAULER NAME	REASON FOR REJECTION
<u>11:05</u>	<u>Un known</u>	<u>Not from our Township</u>

OTHER COMMENTS / OBSERVATIONS
Little slower today due to snow

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>8:50</u>	<u>RL Widgee</u>	<u>Garbage Recycling</u>	<u>1/2</u>	<u>✓</u>
<u>9:30</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>✓</u>
<u>10:05</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 34

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE:
 Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: APR 22/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ **TYPE** _____
 DATE BINS WERE ORDERED: / /
 DATES BINS WERE PICKED UP: APR 22/2021 mixed, ecc

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:30</u>	<u>MOT 955E</u>	<u>Carbide Recycling</u>	<u>Full</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 50

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: Extra help is here for cleanup today

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: ~~_____~~

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: APR 24/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>No</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 161

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: APR 26/2021 TIME: 9:15 STAFF: John Stubbard

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="checkbox"/> No	
Windblown Litter:	<input checked="" type="checkbox"/> Yes / No	
Leachate Springs:	Yes / <input checked="" type="checkbox"/> No	
Animals:	Yes / <input checked="" type="checkbox"/> No	
Other:	Yes / <input checked="" type="checkbox"/> No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE

DATE BINS WERE ORDERED: APR 26/2021 paper/mixed/oc

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>11:05</u>	<u>Unknown</u>	<u>Not from our Township</u>

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 64

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: Pick up garbage along entry way and around bins

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stubbard Print Staff Name: John Stubbard

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: APR 28/2021 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Windblown Litter:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Leachate Springs:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Animals:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Other:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>10:20</u>	<u>Unknown</u>	<u>Not from our Township</u>

OTHER COMMENTS / OBSERVATIONS
Traffic a little slower due to ~~the~~ heavy rain

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 49

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: Picked up wind blown litter along entrance way

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE:
 Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: APR 29/2021 TIME: 8:70 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<u>Yes / No</u>	
Windblown Litter:	<u>Yes / No</u>	
Leachate Springs:	<u>Yes / No</u>	
Animals:	<u>Yes / No</u>	
Other:	<u>Yes / No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:45</u>	<u>matisse</u>	<u>Garbage Recycling</u>	<u>FULL</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 63

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: _____ Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: _____ Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: May 1 / 2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>No</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1 / 1
 DATES BINS WERE PICKED UP: APR/30/2021 paper / OCC / mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 132

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE: John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: May 3/21 TIME: 8:15 STAFF: Dustin Jackson

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / <u>No</u>	
Windblown Litter:	<u>Yes</u> / No	<u>Barndos</u>
Leachate Springs:	Yes / <u>No</u>	
Animals:	<u>Yes</u> / No	<u>BATS</u>
Other:	Yes / <u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:
Picked up litter by bins, and cleaned up around the metal bin

RECYCLING: TYPE _____
 DATE BINS WERE ORDERED: / /
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>2</u>	<u>Waste</u>	<u>(circled 2)</u>

OTHER COMMENTS / OBSERVATIONS
Rain wet, muddy

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>8:55</u>	<u>Waste</u>	<u>Waste load top</u>	<u>T/C</u>	<u>Yes</u>

TOTAL COUNT OF HOUSEHOLD USERS: 44

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: 2 BATS, 10/15 OF METAL ON GROUND IS NOW IN BIN

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: Wet

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE _____ **Print Staff Name:** _____

OFFICE USE:
 Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands** 1233 Prince Street, P.O. Box 280
Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: MAY 5 / 2021 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
DATE BINS WERE ORDERED: MAY 5 / 2021 PAPER / MIXED / STEEL
DATES BINS WERE PICKED UP: 1 / 1

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:58	FLVidge	Garbage	FULL	✓
11:30	"	Recycling	1/2	✓

TOTAL COUNT OF HOUSEHOLD USERS: 55

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE:
Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: MAY 6/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1/1
 DATES BINS WERE PICKED UP: MAY 6/2021 mixed/steel

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:45	matissie	garbage Recycling	Full	Y

TOTAL COUNT OF HOUSEHOLD USERS: 65

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
 IF NO: Waste Sent To: _____

LITTER CONTROL: ~~Yes~~ / No
 DETAILS: Extra personnel here today picking up windblown litter

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____



Lansdowne
 Lyndhurst
 Escott

DATE: MAY 8/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
DATE BINS WERE ORDERED: 1/1
DATES BINS WERE PICKED UP: MAY 7/2021 PAPER

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 130

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / ~~No~~
DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: May 10/2021 TIME: 8.15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<input checked="" type="checkbox"/>	
Windblown Litter:	<input checked="" type="checkbox"/>	
Leachate Springs:	<input checked="" type="checkbox"/>	
Animals:	<input checked="" type="checkbox"/>	
Other:	<input checked="" type="checkbox"/>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: May 10/2021 mixed / OCC
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 62

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: Picked up windblown litter

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: MAY 12/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1/1
 DATES BINS WERE PICKED UP: MAY 12/2021 MIXED / OCC

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:45	Elvidge	Garbage	Full	Y
11:30	"	Recycling	1/2	Y

TOTAL COUNT OF HOUSEHOLD USERS: 68

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / ~~No~~
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: MAY 13/2021 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:

Description / Location

- Ponded Water: Yes / ~~No~~ _____
- Windblown Litter: ~~Yes~~ / No _____
- Leachate Springs: Yes / ~~No~~ _____
- Animals: Yes / ~~No~~ _____
- Other: Yes / ~~No~~ _____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: MAY 13/2021 ~~_____~~ PAPER / mixed

DATES BINS WERE PICKED UP: 1 / 1 _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Backhoe compacted bins pushed garbage back

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:45</u>	<u>MATCO</u>	<u>Garbage Recycling</u>	<u>Full</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 72

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: May 15/2021 TIME: 9:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>No</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: / / TYPE: _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>2:30</u>	<u>Unknown</u>	<u>NOT from our Township</u>

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>11:00</u>	<u>Sander</u>	<u>Garbage Recycling</u>	<u>CVL</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 194

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: MA 7 17/2021 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>No</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: May 17/2021 mixed / OCC / Steel
 DATES BINS WERE PICKED UP: May 17/2021 mixed / paper

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 87

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: May 19/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>Yes</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1/1
 DATES BINS WERE PICKED UP: May 19/2021 Steel / occ

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:05	ELVidge	Garbage Recycling	Full	<u>Y</u>
10:15	"	"	"	<u>Y</u>
11:50	"	"	1/2	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 72

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: May 20/2021 TIME: 8:17 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:55	matisse	Garbage Recycling	Full	✓

TOTAL COUNT OF HOUSEHOLD USERS: 53

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: ~~Yes~~ / No
 DETAILS: Calcium was applied

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE _____ Print Staff Name: _____

OFFICE USE:
 Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: MAY 22/2015 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>Yes</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1/1
 DATES BINS WERE PICKED UP: 04/21/2015 mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>10:35</u>	<u>Unknown</u>	<u>Not from the Township</u>
<u>11:20</u>	<u>"</u>	<u>"</u>

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>11:00</u>	<u>Standen</u>	<u>Garbage Recycling</u>	<u>Full</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 154

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE: John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lyndhurst
 Lyndhurst
 Escott

DATE: MAY 26/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: MAY 25/2021 PAPER / MIXED / ALL

DATES BINS WERE PICKED UP: MAY 24/2021 Organic

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>2:10</u>	<u>Unknown</u>	<u>NOT FROM THIS TOWNSHIP</u>

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:30</u>	<u>Bludige</u>	<u>Garbage</u>	<u>FULL</u>	<u>Y</u>
<u>11:10</u>	<u>"</u>	<u>Recycling</u>	<u>FULL</u>	<u>Y</u>
<u>11:45</u>	<u>"</u>	<u>"</u>	<u>3/4</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 107

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lyndhurst
 Escott

DATE: MAY 27 2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
DATE BINS WERE ORDERED: / /
DATES BINS WERE PICKED UP: MAY 27 2021 occ/

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
Backhoe compacted bins

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:55	matisse	garbage Recycling	FLUCL	Y

TOTAL COUNT OF HOUSEHOLD USERS: 82

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No

IF NO: Waste Sent To: _____

LITTER CONTROL: ~~Yes~~ / No

DETAILS: There is extra personnel here today to help with cleanup

APPLICATION OF DUST SUPPRESSANT: ~~Yes~~ / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: ~~Yes~~ / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: MAY/29/2021 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ **TYPE** _____

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: MAY/28/2021 PAPER / MIXED / STEEL

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 160

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: MAY 31/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>No</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: MAY 31/2021 MIXED / OCC
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 69

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Jun 2/2021 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ **TYPE** _____
 DATE BINS WERE ORDERED: 1/1
 DATES BINS WERE PICKED UP: Jun 2/2021 mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:00	KLWidge	Garbage	Full	Y
10:30	"	Recycling	"	"

TOTAL COUNT OF HOUSEHOLD USERS: 76

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: Picked up along entranceway

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford **Print Staff Name:** John Stafford
OFFICE USE: _____

Date Reviewed: _____ **Reviewer:** _____ **File Number:** _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Jun 3/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Windblown Litter:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Leachate Springs:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Animals:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Other:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE

DATE BINS WERE ORDERED: Jun 3/2021 paper / mixed

DATES BINS WERE PICKED UP: 1/1

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:45</u>	<u>matissse</u>	<u>Garbage Recycling</u>	<u>Full</u>	<u>/</u>

TOTAL COUNT OF HOUSEHOLD USERS: 42

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Jun 5 / 2011 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____

DATE BINS WERE ORDERED: / / _____

DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 132

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / ~~No~~

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE *John Stafford* Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Jun 7 / 2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No <u>✓</u>	_____
Windblown Litter:	Yes / No <u>✓</u>	_____
Leachate Springs:	Yes / No <u>✓</u>	_____
Animals:	Yes / No <u>✓</u>	_____
Other:	Yes / No <u>✓</u>	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE _____

DATE BINS WERE ORDERED: Jun 7 / 2021 Steel / mixed

DATES BINS WERE PICKED UP: Jun 7 / 2021 paper / mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 57

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No ✓

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No ✓

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No ✓

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No ✓

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No ✓

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DAILY INSPECTION FORM

DATE: Jun 9 / 2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No <u>X</u>	_____
Windblown Litter:	Yes / No <u>X</u>	_____
Leachate Springs:	Yes / No <u>X</u>	_____
Animals:	Yes / No <u>X</u>	_____
Other:	Yes / No <u>X</u>	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ **TYPE** _____
 DATE BINS WERE ORDERED: / /
 DATES BINS WERE PICKED UP: Jun/9/2021 Steel

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:25	K. Laidge	Garbage	full	Y
11:10	"	Recycling	"	Y

TOTAL COUNT OF HOUSEHOLD USERS: 72

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No X
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No X
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No X
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No X
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No X
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford **Print Staff Name:** John Stafford
OFFICE USE: _____

Date Reviewed: _____ **Reviewer:** _____ **File Number:** _____



Lansdowne
 Lyndhurst
 Escott

DATE: Jun 10/2021 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ **TYPE** _____
 DATE BINS WERE ORDERED: / /
 DATES BINS WERE PICKED UP: Jun 10/2021 mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:50	Matisse	Garbage Recycling	Full	Y

TOTAL COUNT OF HOUSEHOLD USERS: 76

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Jun 12/2011 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>11:15</u>	<u>unknown</u>	<u>not from our Township</u>

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>11:00</u>	<u>Stander</u>	<u>Garbage Recycling</u>	<u>3/4</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 152

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stafford

OFFICE USE: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Jun 14/2011 TIME: 8.15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>No</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1/1
 DATES BINS WERE PICKED UP: Jun 14/2011 mixed / occ

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 69

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE: John Stafford Print Staff Name: John Stafford

OFFICE USE:
 Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: June 16/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ **TYPE** _____

DATE BINS WERE ORDERED: / / _____

DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:35	EV ridge	garbage Recycling	Full	Y
11:15	"	"	"	Y

TOTAL COUNT OF HOUSEHOLD USERS: 69.

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No

IF NO: Waste Sent To: _____

LITTER CONTROL: ~~Yes~~ / No

DETAILS: Extra help for clean up today

APPLICATION OF DUST SUPPRESSANT: ~~Yes~~ / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: ~~Yes~~ / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Jun 17/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: Jun/17/2021 paper
 DATES BINS WERE PICKED UP: Jun/17/2021 mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:55</u>	<u>Matissa</u>	<u>Garbage Recycling</u>	<u>Full</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 81

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Jun 19/2021 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1/1
 DATES BINS WERE PICKED UP: Jun 18/2021 paper

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>10:15</u>	<u>Unknown</u>	<u>not from our Township</u>

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>11:10</u>	<u>Standard</u>	<u>Garbage Recycling</u>	<u>Full</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 148

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stafford

OFFICE USE:
 Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Jun 21/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<u>Yes / No</u>	_____
Windblown Litter:	<u>Yes / No</u>	_____
Leachate Springs:	<u>Yes / No</u>	_____
Animals:	<u>Yes / No</u>	_____
Other:	<u>Yes / No</u>	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE _____

DATE BINS WERE ORDERED: Jun 21/2021 paper / mixed / occ

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 74

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Jun 23/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1/1
 DATES BINS WERE PICKED UP: Jun 13/2021 OCCL / mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>3:25</u>	<u>Unknown</u>	<u>NOT FROM OUR TOWNSHIP</u>

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:35</u>	<u>ELVidge</u>	<u>Garbage</u>	<u>FULL</u>	<u>Y</u>
<u>11:05</u>	<u>"</u>	<u>Recycling</u>	<u>"</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 105

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / ~~No~~
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Jun 24/2021 TIME: 8:30 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / <u>No</u>	_____
Windblown Litter:	<u>Yes</u> / No	_____
Leachate Springs:	Yes / <u>No</u>	_____
Animals:	Yes / <u>No</u>	_____
Other:	Yes / <u>No</u>	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: Jun/24/2021 Steel/mixed
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>11:30</u>	<u>unknown</u>	<u>not from this township</u>

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:45</u>	<u>Matisse</u>	<u>Garbage Recycling</u>	<u>full</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 75

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE: [Signature] Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds** and the **Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Jun 26/2011 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / / _____

DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 142

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford

Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Jun 28/2021 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="checkbox"/> No	
Windblown Litter:	<input checked="" type="checkbox"/> No	
Leachate Springs:	<input checked="" type="checkbox"/> No	
Animals:	<input checked="" type="checkbox"/> No	
Other:	<input checked="" type="checkbox"/> No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: Jun/28/2021 TYPE: acc/mixed
 DATES BINS WERE PICKED UP: Jun/28/2021 TYPE: mixed/steel

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 78

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: Extra help to pick up garbage

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE: John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Jun 30/2021 TIME: 9:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / <input checked="" type="checkbox"/> No	_____
Windblown Litter:	Yes / <input checked="" type="checkbox"/> No	_____
Leachate Springs:	Yes / <input checked="" type="checkbox"/> No	_____
Animals:	Yes / <input checked="" type="checkbox"/> No	_____
Other:	Yes / <input checked="" type="checkbox"/> No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: Jun/30/2021 mixed/paper
 DATES BINS WERE PICKED UP: Jun/30/2021 occ

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:30	ELVidga	Garbage Recycling	FULL	✓
11:05	"	"	"	✓

TOTAL COUNT OF HOUSEHOLD USERS: 97

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: Extra help to pick up garbage

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE:



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: July 3/2011 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 208

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: July 5/21 TIME: 8:15 STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / <u>No</u>	
Windblown Litter:	<u>Yes</u> / No	<u>along the road, pickup litter</u>
Leachate Springs:	Yes / <u>No</u>	
Animals:	<u>Yes</u> / No	<u>Birds.</u>
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:
 DATE BINS WERE ORDERED: 11/11/11 TYPE: Metal Bin, Plastic Bin, Cardboard Bin
 DATES BINS WERE PICKED UP: 05/07/21 Box Paper, and newspaper bin.

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 102

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: Litter Control / Pick 1HR

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE: ALLAN McRAE Print Staff Name: ALLAN McRAE

OFFICE USE:
 Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: July 7/21 TIME: 8.15 STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	
Windblown Litter:	<input checked="" type="radio"/> Yes / No	<u>Pick up around the site ROAD</u>
Leachate Springs:	Yes / <input checked="" type="radio"/> No	
Animals:	<input checked="" type="radio"/> Yes / No	<u>Birds.</u>
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE _____

DATE BINS WERE ORDERED: 11/1/21

DATES BINS WERE PICKED UP: 07/07/21 Plastic /
07 - Household Organics.

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:00 AM</u>	<u>ELVIDGE</u>	<u>Recycling/Landfill</u>	<u>Full</u>	<u>Yes</u>
<u>10:30 AM</u>	<u>" "</u>	<u>" "</u>	<u>full</u>	<u>Yes</u>

TOTAL COUNT OF HOUSEHOLD USERS: 61

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: Pickup along side of Road & Bins

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: July 8/21 TIME: 8:15 STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	Yes / <input checked="" type="radio"/> No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Birds</u>
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: 8/07/2021 - metal bin / cardboard bin

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:00 AM</u>	<u>Mattice</u>	<u>Landfill/Recycling Full</u>		<u>Yes</u>

TOTAL COUNT OF HOUSEHOLD USERS: 78

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: around the site and bins

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE: ALLAN McRAE Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: July 10/21 TIME: 8.15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No
 Windblown Litter: Yes / No
 Leachate Springs: Yes / No
 Animals: Yes / No
 Other: Yes / No

Description / Location

Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Large item tag /
1/2 Ton Truck /

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 192

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: up around landfill

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE ALLAN McRAE Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: July 12/21 TIME: 8:15 AM STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	Yes / <input checked="" type="radio"/> No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	<input checked="" type="radio"/> Yes / <input checked="" type="radio"/> No	<u>Birds.</u>
Other:	Yes / <input checked="" type="radio"/> No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / / _____

DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

AMNESTY DAY TAG / 606 Lyndhurst Rd.

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 114

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: around bins and weed control between plastic bins.

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: July 14/21 TIME: 8:15 am STAFF: ALLAN McRae

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / <u>No</u>	
Windblown Litter:	<u>Yes</u> / No	
Leachate Springs:	Yes / <u>No</u>	
Animals:	<u>Yes</u> / No	<u>Birds</u>
Other:	Yes / <u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: 17/07/2021 TYPE ① Plastic Bin / ② Box Board paper Bin
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:30	Clint Fletchee	Township G/R	Partial Load	Yes
9:30	ELDRIDGE	GARBAGE / Recycling	Full Load	Yes
11:00	ELDRIDGE	GARBAGE / Recycling	Full Load	Yes

TOTAL COUNT OF HOUSEHOLD USERS: 89

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: around the site and bins.

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE Allan McRae Print Staff Name: ALLAN McRae

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: July 15/21 TIME: 8:15 STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No
 Windblown Litter: Yes / No
 Leachate Springs: Yes / No
 Animals: Yes / No Birds.
 Other: Yes / No

Description / Location

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
 	 	

OTHER COMMENTS / OBSERVATIONS

John Showwood with Backhoe

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
1:00 pm	Corey Mattice	Landfill / Recycling	Full Load	Yes

TOTAL COUNT OF HOUSEHOLD USERS: 98

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: around site and bins

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: July 17/21 TIME: 8:15 STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water:	Yes / <u>No</u>	_____
Windblown Litter:	Yes / <u>No</u>	_____
Leachate Springs:	Yes / <u>No</u>	_____
Animals:	<u>Yes</u> / No	<u>Birds</u>
Other:	Yes / <u>No</u>	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: 16/07/21 ① Plastic / ② Box Paper Bin

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

- Amnesty tags ②
- WASTE Load tags ①

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 155

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: around the site

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: July 19/2021 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<u>Yes</u> / No	_____
Windblown Litter:	<u>Yes</u> / No	_____
Leachate Springs:	<u>Yes</u> / No	_____
Animals:	<u>Yes</u> / No	_____
Other:	<u>Yes</u> / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE _____
 DATE BINS WERE ORDERED: July 19/2021 E waste / mixed / acc
 DATES BINS WERE PICKED UP: 7/1/21 _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 79

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE: John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: July 21/2021 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>Yes</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: July 21/2021 TYPE: mixed
 DATES BINS WERE PICKED UP: July 21/2021 TYPE: mixed / OCC

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:05	BLridge	Garbage	FULL	Y
10:55	"	Recycling	"	Y
11:20	"	Brush	"	Y
11:50	"	"	"	Y

TOTAL COUNT OF HOUSEHOLD USERS: 71

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: July 22/2011 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: July 22/2011 TYPE: Steel

DATES BINS WERE PICKED UP: July 22/2011 TYPE: E-Waste

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:35</u>	<u>Matisse</u>	<u>Garbage Recycling</u>	<u>FULL</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 63

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No

IF NO: Waste Sent To: _____

LITTER CONTROL: ~~Yes~~ / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: ~~Yes~~ / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: ~~Yes~~ / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE: John Stafford Print Staff Name: John Stafford

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: July 24/2021 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	<u>No</u>	_____
Windblown Litter:	<u>No</u>	_____
Leachate Springs:	<u>No</u>	_____
Animals:	<u>No</u>	_____
Other:	<u>No</u>	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 164

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: July 28/21 TIME: 8:15 STAFF: ALAN MCRAE

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / <u>No</u>	
Windblown Litter:	<u>Yes</u> / No	
Leachate Springs:	Yes / <u>No</u>	
Animals:	<u>Yes</u> / No	<u>Birds</u>
Other:	Yes / <u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ **TYPE** _____

DATE BINS WERE ORDERED: / / _____

DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS Started too RAIN @ 4:15pm
Heavy.

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 114

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: along ROADWAY, and around the bins

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE _____ Print Staff Name: ALLAN MCRAE

OFFICE USE:
 Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: July 28/2021 TIME: 8:16 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: July 23/2021 ~~mixed~~ / mixed / paper
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:20	KLvidga	Garbage Recycling	Full	Y
10:55	"	"	"	Y
11:35	"	"	"	Y

TOTAL COUNT OF HOUSEHOLD USERS: 87

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No

IF NO: Waste Sent To: _____

LITTER CONTROL: ~~Yes~~ / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: July 29/2021 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: July 29/2021 Mixed / OCC
 DATES BINS WERE PICKED UP: July 29/2021 Mixed / Paper

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:00	MATISSE	Garbage Recycling	Full	Y

TOTAL COUNT OF HOUSEHOLD USERS: 73

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE: John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: July 31/2021 TIME: 8:15 STAFF: John Stokard

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
2:00	STander	Garbage Recycling	Full	Y

TOTAL COUNT OF HOUSEHOLD USERS: 178

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stokard

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: August 7/21 TIME: 8:15 STAFF: ALLAN MCRAE

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / <u>No</u>	
Windblown Litter:	<u>Yes</u> / No	<u>along roadway and bins.</u>
Leachate Springs:	Yes / <u>No</u>	
Animals:	<u>Yes</u> / No	<u>Bird & Raccoons</u>
Other:	Yes / <u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ **TYPE** _____

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: 08/04/21 - cardboard & Plastic Bins
08/04/21 - Manco came and got ORGANICS

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
65⁰⁰ WASTE load tickets /

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:45 AM</u>	<u>KLvidge</u>	<u>Landfill / Recycle</u>	<u>Full Load.</u>	<u>Yes</u>
<u>11:30 AM</u>	<u>ELvidge</u>	<u>" "</u>	<u>Full Load</u>	<u>Yes</u>

TOTAL COUNT OF HOUSEHOLD USERS: 131

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: Major Litter Control around Plastic Bins

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE Allan McRae Print Staff Name: ALLAN MCRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Aug 5/21 TIME: 8:15am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No
 Windblown Litter: Yes / No
 Leachate Springs: Yes / No
 Animals: Yes / No
 Other: Yes / No

Description / Location

around Landfill.
Birds.

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>4:00 pm</u>	<u>CONTRACTOR FROM Kingston PROTECT Basement Repairs</u>	<u>(not from Township.)</u>

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:00am</u>	<u>Coney Mattice</u>	<u>Landfill/Recycle</u>	<u>full load</u>	<u>yes</u>

TOTAL COUNT OF HOUSEHOLD USERS: 78

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: around Landfill FACE.

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE Allan McRae Print Staff Name: ALLAN McRae

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Aug 07/21 TIME: 8:15 STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	
Windblown Litter:	<input checked="" type="radio"/> Yes / No	<u>Litter Control along Rd & Landfill</u>
Leachate Springs:	Yes / <input checked="" type="radio"/> No	
Animals:	<input checked="" type="radio"/> Yes / No	<u>Birds & Raccoons</u>
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / /
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
Household amnesty tag I
65.00 Load tag I
LARGE Home waste tag II
- 3:30pm severe thunder storm - 1/2 HR

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>12:30 AM</u>	<u>Standen</u>	<u>Landfill & Recycle</u>	<u>Trailer Load</u>	<u>Yes</u>

TOTAL COUNT OF HOUSEHOLD USERS: 101

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: Around Bins, Roadside and Landfill

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE ALLAN McRAE Print Staff Name: ALLAN McRAE



Lansdowne
 Lyndhurst
 Escott

DATE: Aug 9 / 21 TIME: 8:15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / <u>No</u>	
Windblown Litter:	Yes / <u>No</u>	
Leachate Springs:	Yes / <u>No</u>	
Animals:	<u>Yes</u> / No	<u>Birds</u>
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: 09/08/2021 ^{TYPE} Cardboard / Plastic Bin / Paper Bin
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 96

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: around site

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE ALLAN McRAE Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Aug 10/21 TIME: 8:15 STAFF: ALLAN McRae

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	
Windblown Litter:	<input checked="" type="radio"/> Yes / No	<u>along roadside / and Bins.</u>
Leachate Springs:	Yes / <input checked="" type="radio"/> No	
Animals:	<input checked="" type="radio"/> Yes / No	<u>Birds</u>
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: 10/21 Metal Bin, - plastic mixed.
 DATES BINS WERE PICKED UP: 10/21 Plastic Mix Bin / cardboard Bin.

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:30</u>	<u>Eldridge</u>	<u>Landfill/Recycle</u>	<u>full</u>	<u>Yes</u>
<u>11:00</u>	<u>Eldridge</u>	<u>Landfill/Recycle</u>	<u>full</u>	<u>Yes</u>

TOTAL COUNT OF HOUSEHOLD USERS: 98

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: along Roadside

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE ALLAN McRae Print Staff Name: ALLAN McRAE

OFFICE USE:
 Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Aug 13/21 TIME: 8:15 STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No
 Windblown Litter: Yes / No
 Leachate Springs: Yes / No
 Animals: Yes / No
 Other: Yes / No

Description / Location

around bins & along Roadway
Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: 12/08/21

Metal bin / and Plastic Bin.

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u> </u>		

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:30</u>	<u>Mattice.</u>	<u>Landfill/Recycle</u>	<u>full</u>	<u>Yes</u>

TOTAL COUNT OF HOUSEHOLD USERS: 72

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: around bins and Roadway.

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Aug 14 / 21 TIME: 8:15 AM STAFF: ALLAN McRae

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No
 Windblown Litter: Yes / No
 Leachate Springs: Yes / No
 Animals: Yes / No
 Other: Yes / No

Description / Location

along roadside and Bins
Birds.

RECOMMENDED ACTIONS / ACTIONS TAKEN:

2 - \$65.00 Tags / Cindy Lewis Amnesty Tag
1 - \$12.00 Large item Tag.

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>11:00 AM</u>	<u>Standen.</u>	<u>Landfill/Recycle</u>	<u>Load (full)</u>	<u>Yes</u>
<u>12:45 pm</u>	<u>Standen.</u>	<u>Brush</u>	<u>" "</u>	<u>Yes</u>
<u>3:30 pm</u>	<u>Standen</u>	<u>Brush</u>	<u>" "</u>	<u>Yes</u>

TOTAL COUNT OF HOUSEHOLD USERS: 168

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: along roadside and around Bins

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE Allan McRae Print Staff Name: ALLAN McRae

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: AUG 16/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	<u>Around bins</u>
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: AUG 16/21 TYPE: OCG / mixed / paper

DATES BINS WERE PICKED UP: 8/1/21

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>1:05</u>	<u>Unknown</u>	<u>WST From our Township</u>

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 29

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No

IF NO: Waste Sent To: _____

LITTER CONTROL: ~~Yes~~ / No

DETAILS: Pick up litter around bins

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE: [Signature] Print Staff Name: John Stafford

OFFICE USE: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: AUG 12/11 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No
 Windblown Litter: Yes / No
 Leachate Springs: Yes / No
 Animals: Yes / No
 Other: Yes / No

Description / Location

Around bins

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:40	ELVidge	Garbage	Full	✓
10:20	"	Recycling	"	✓

TOTAL COUNT OF HOUSEHOLD USERS: 77

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: Pick up litter around bins

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE: [Signature] Print Staff Name: John Stafford

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: AUG 19/21 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	<u>Around bins</u>
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1/1
 DATES BINS WERE PICKED UP: AUG 19/21 occ / mixed / paper

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>11:00</u>	<u>MATISSE</u>	<u>Garbage Recycling</u>	<u>FULL</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 51

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: Cleaned up around bins

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: AUG 21/21 TIME: 8:15 STAFF: John Stoffer

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
DATE BINS WERE ORDERED: / / _____
DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>11:05</u>	<u>Unknown</u>	<u>NOT FOR THIS TOWNSHIP</u>

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>11:15</u>	<u>Stander</u>	<u>Garbage Recycling</u>	<u>FULL</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 178

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
IF NO: Waste Sent To: _____

LITTER CONTROL: _____ Yes / ~~No~~
DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
DETAILS: _____

COMPLAINTS RECEIVED: _____ Yes / ~~No~~
If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stoffer
OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: AUG 23/21 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	<u>Around bins</u>
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: AUG 23/21 TYPE: paper / mixed
 DATES BINS WERE PICKED UP: 1 / 1

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 92

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: Picked up around bins

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / ~~No~~

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE: John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: AUG 25/21 TIME: 8:30 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: AUG 25/21 OCG / mixed
 DATES BINS WERE PICKED UP: AUG 24/21 mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:10	FLVidge	Garbage	FULL	Y
10:50	"	RECYCLING	"	Y
1:35	"	Brush	"	Y

TOTAL COUNT OF HOUSEHOLD USERS: 88

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No /
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No /
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No /
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No /
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No /
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: AUG 26/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE oil containers

DATE BINS WERE ORDERED: AUG/26/21

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:10	Matisse	Garbage Recycling	full	Y

TOTAL COUNT OF HOUSEHOLD USERS: 78

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE: _____



Lansdowne
 Lyndhurst
 Escott

DATE: AUG 28/11 TIME: 8:15 STAFF: John Stofko

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<u>Yes / No</u>	_____
Windblown Litter:	<u>Yes / No</u>	_____
Leachate Springs:	<u>Yes / No</u>	_____
Animals:	<u>Yes / No</u>	_____
Other:	<u>Yes / No</u>	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE _____
 DATE BINS WERE ORDERED: / /
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:35</u>	<u>Stander</u>	<u>Garbage Recycling</u>	<u>FULL</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 174

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stofko Print Staff Name: John Stofko
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: AUG 30/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	<u>Along entryway</u>
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: AUG 30/21 paper/mixed/steel
 DATES BINS WERE PICKED UP: 1/1

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 67

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: ~~Yes~~ / No
 DETAILS: Pick up wind blown litter

APPLICATION OF DUST SUPPRESSANT: ~~Yes~~ / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: ~~Yes~~ / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: SEP 1 / 21 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	<u>Yes / No</u>	_____
Windblown Litter:	<u>Yes / No</u>	_____
Leachate Springs:	<u>Yes / No</u>	_____
Animals:	<u>Yes / No</u>	_____
Other:	<u>Yes / No</u>	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: SEP 1 / 21 TYPE: OC
 DATES BINS WERE PICKED UP: SEP 1 / 21 TYPE: Steel

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:00</u>	<u>ELVidge</u>	<u>Garbage</u>	<u>FULL</u>	<u>Y</u>
<u>10:55</u>	<u>"</u>	<u>Recycling</u>	<u>"</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 79

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE: [Signature] Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Aug 2 / 21 TIME: 9:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:
Cleaned up around gate

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / /
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:35</u>	<u>Matisse</u>	<u>Garbage Recycling</u>	<u>FULL</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 74

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: SEPT 4/21 TIME: 8:10 am STAFF: TRISH BROWN

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 212

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: TRISH BROWN

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: 8:15 am TIME: Sept 21 STAFF: ALLAN MCFEE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No
 Windblown Litter: Yes / No
 Leachate Springs: Yes / No
 Animals: Yes / No
 Other: Yes / No

Description / Location

along Roadside / around SITE

Birds / Rained hard for about 1 1/2

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

1 - \$65.00 Tag

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:30am	Eldridge	Landfill/Recycle	Truck / TRAILER	Yes
12:00	Eldridge	landfill/Recycle	" "	Yes

TOTAL COUNT OF HOUSEHOLD USERS: 102

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: along Roadside and SITE (Pick & bag)

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE Allan McFee Print Staff Name: Allan McFee

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Sept 9/21 TIME: 8:15 STAFF: ALLAN M CRAE

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / <u>No</u>	
Windblown Litter:	Yes / <u>No</u>	
Leachate Springs:	Yes / <u>No</u>	
Animals:	<u>Yes</u> / No	<u>Birds</u>
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: 9/9/21
 DATES BINS WERE PICKED UP: 9/9/21 oil & filters (Tomblings)

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10 30</u>	<u>Wolfe Mattice</u>	<u>Landfill/Recycled</u>	<u>Truck & Trailer</u>	<u>Yes</u>
<u>1200 noon</u>	<u>"</u>	<u>"</u>	<u>1/2 of 1/2 ton</u>	<u>Yes</u>

TOTAL COUNT OF HOUSEHOLD USERS: 103

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: up near the Landfill

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE Alan McRae Print Staff Name: ALLAN M CRAE



Lansdowne
 Lyndhurst
 Escott

DATE: Sept 11/21 TIME: 8:15 STAFF: Allan McRae

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / <u>No</u>	
Windblown Litter:	Yes / <u>No</u>	
Leachate Springs:	Yes / <u>No</u>	
Animals:	<u>Yes</u> / No	<u>Birds</u>
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE _____

DATE BINS WERE ORDERED: / / _____

DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

3 - Large Item Tags
1 - 6500 Waste Load Tag

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 195

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: around SITE

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Sept 13/21 TIME: 8:15 am STAFF: ALLAN McRae

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / <u>No</u>	
Windblown Litter:	<u>Yes</u> / No	<u>along Roadway & around Bins</u>
Leachate Springs:	Yes / <u>No</u>	
Animals:	<u>Yes</u> / No	<u>Birds</u>
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:
 DATE BINS WERE ORDERED: 13/09/21 ② TYPE Plastic mix / ① Paper / ① Cardboard
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 107

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: along Roadway & Bins

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____
 SIGNATURE ALLAN McRae Print Staff Name: ALLAN McRae

OFFICE USE:
 Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Sept 15/21 TIME: 8:15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / <u>No</u>	
Windblown Litter:	<u>Yes</u> / No	<u>around Bins / along Roadside</u>
Leachate Springs:	Yes / <u>No</u>	
Animals:	<u>Yes</u> / No	<u>Birds</u>
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE _____

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: 19/09/21 ② mixed Plastic. / ① mixed Paper.

REJECTED LOADS: (manco) 14/09/21 Household organics / ① cardboard.

TIME	HAULER NAME	REASON FOR REJECTION
<u>2:00pm</u>	<u>Black Ford</u>	<u>No Tags, and couldn't give</u>
	<u>P/u with</u>	<u>proper address</u>
	<u>Tandem Trailer</u>	<u>(Reno Waste.)</u>

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:00 am</u>	<u>Eldridge</u>	<u>Landfill/Recycle</u>	<u>Truck & Trailer</u>	<u>Yes</u>
<u>11:45 am</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>Yes</u>

TOTAL COUNT OF HOUSEHOLD USERS: 77

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: around Bins / along side Roadway

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Sept 16/21 TIME: 8:15 STAFF: ALLAN McPae

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / <u>No</u>	
Windblown Litter:	<u>Yes</u> / No	<u>around SITE</u>
Leachate Springs:	Yes / <u>No</u>	
Animals:	<u>Yes</u> / No	<u>Birds</u>
Other:	Yes / <u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Household Amnesty Tag (Barry Sexton)

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:00am</u>	<u>Mattice</u>	<u>Household/Recycle</u>	<u>Truck & Trailer</u>	<u>Yes</u>

TOTAL COUNT OF HOUSEHOLD USERS: 85

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: Around site

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE: Allan McPae Print Staff Name: ALLAN McPae

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Sept 18/21 TIME: 8:15 STAFF: Allan McRae

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	
Windblown Litter:	Yes / <input checked="" type="radio"/> No	<u>along Roadside / and Bins</u>
Leachate Springs:	Yes / <input checked="" type="radio"/> No	
Animals:	Yes / <input checked="" type="radio"/> No	<u>Birds.</u>
Other:	Yes / <input checked="" type="radio"/> No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
 		

OTHER COMMENTS / OBSERVATIONS
① 65.00 Tag.

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>11:45</u>	<u>STANOLAN</u>	<u>Landfill/Recycle</u>	<u>Truck/Trail</u>	<u>Yes</u>

TOTAL COUNT OF HOUSEHOLD USERS: 232

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: Long Roadside / and Bins

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE Allan McRae Print Staff Name: Allan McRae

OFFICE USE:
 Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Sept 20/20 TIME: 8:10 STAFF: John Staffard

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	<u>X</u>	
Windblown Litter:	<u>X</u>	
Leachate Springs:	<u>X</u>	
Animals:	<u>X</u>	
Other:	<u>X</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: Sept 20/20 TYPE: occ/mixed/steel/paper
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 82

AREA OF WASTE DISPOSAL: All waste sent to active face: X Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: X Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: X Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: X Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: X Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE: [Signature] Print Staff Name: John Staffard

OFFICE USE:
 Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Sept 22/21 TIME: 9:15 STAFF: John Steffen

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="checkbox"/> No	
Windblown Litter:	Yes / <input checked="" type="checkbox"/> No	
Leachate Springs:	Yes / <input checked="" type="checkbox"/> No	
Animals:	Yes / <input checked="" type="checkbox"/> No	
Other:	Yes / <input checked="" type="checkbox"/> No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:
Picked up litter around bins and entrance

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / /
 DATES BINS WERE PICKED UP: Sept 22/21 Steel

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
Heavy rain today

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:35	Kellogg	Garbage	Full	Y
11:15	"	Recycling	"	Y

TOTAL COUNT OF HOUSEHOLD USERS: 54

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: _____ Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Steffen Print Staff Name: John Steffen
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Sep 23/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: Sep/23/21 mixed
 DATES BINS WERE PICKED UP: Sep/23/21 OCC

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
Heavy rain all day

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
11:00	MATISSE	Garbage Recycling	Full	Y

TOTAL COUNT OF HOUSEHOLD USERS: 54

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: SEP 25/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>No</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 1/1

DATES BINS WERE PICKED UP: SEP/24/21 mixed/paper

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 172

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds** and the **Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Sep 27/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:
Picked up litter around bins

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / /
 DATES BINS WERE PICKED UP: Sep/27/21 mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
Rain most of the day

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 58

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Sep 29/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: Sep/29/21 paper / mixed
 DATES BINS WERE PICKED UP: Sep/29/21 Organic

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
Extra personnel for garbage pick ~~up~~ up Today

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 83

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: ~~Yes~~ / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Oct 2/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>No</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 1/1

DATES BINS WERE PICKED UP: 05/11/21 paper

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Lots of rain

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>11:05</u>	<u>STander</u>	<u>Garbage Recycling</u>	<u>Full</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 167

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: 05/4/21 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>No</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: 05/4/21 mixed / paper / occ
 DATES BINS WERE PICKED UP: 05/4/21 mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 70

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE: John Stafford Print Staff Name: John Stafford
 OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Oct 6/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:
Pick up garbage around bins and entranceway

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:55	ELVidge	Garbage	FULL	Y
10:40	"	Recycling	"	Y

TOTAL COUNT OF HOUSEHOLD USERS: 85

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Oct 7/21 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>No</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1/1
 DATES BINS WERE PICKED UP: Oct 7/21 occ / paper / mixed

REJECTED LOADS:	TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS	Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
	<u>10:30</u>	<u>matisse</u>	<u>Garbage Recycling</u>	<u>Full</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 78

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Oct 9/21 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<input checked="" type="checkbox"/>	
Windblown Litter:	<input checked="" type="checkbox"/>	
Leachate Springs:	<input checked="" type="checkbox"/>	
Animals:	<input checked="" type="checkbox"/>	
Other:	<input checked="" type="checkbox"/>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
11:00	Standard	Garbage Recycling	Full	Y

TOTAL COUNT OF HOUSEHOLD USERS: 173

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Oct 13 / 21 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:

Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

Picked up along entranceway and around bins

RECYCLING:

DATE BINS WERE ORDERED: Oct 12 / 21 TYPE: paper / mixed / steel
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>12:20</u>	<u>Unknown</u>	<u>Not from this Township</u>

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:15</u>	<u>EL vidgee</u>	<u>Garbage</u>	<u>Full</u>	<u>Y</u>
<u>11:20</u>	<u>"</u>	<u>Recycling</u>	<u>"</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 104

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No X
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No X
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No X
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No X
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No X
 If Yes, complaint file number(s) and topic: _____

SIGNATURE: [Signature] Print Staff Name: John Stafford

OFFICE USE:
 Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Oct 14 / 21 TIME: 8:25 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>No</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 1 / 1
 DATES BINS WERE PICKED UP: Oct 14 / 21 Steel / mixed / paper

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:50</u>	<u>MATISSE</u>	<u>Garbage Recycling</u>	<u>Full</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 68

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE: [Signature] Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Oct 16/21 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>No</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 1 / 1

DATES BINS WERE PICKED UP: Oct 15/21 paper

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Heavy Rain

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>11:00</u>	<u>Stander</u>	<u>Garbage Recycling</u>	<u>1/2</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 114

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: 07/18/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE _____
 DATE BINS WERE ORDERED: 07/18/21 mixed / occ
 DATES BINS WERE PICKED UP: 07/18/21 mixed /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>3:40</u>	<u>Unknown</u>	<u>Went from this Township</u>

OTHER COMMENTS / OBSERVATIONS
Changed mixed container instead of occ

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 72

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: OCT 26/21 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / <u>No</u>	_____
Windblown Litter:	Yes / <u>No</u>	_____
Leachate Springs:	Yes / <u>No</u>	_____
Animals:	Yes / <u>No</u>	_____
Other:	Yes / <u>No</u>	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:25	TEL vidgea	Garbage	Full	Y
11:05	"	Recycling	"	Y

TOTAL COUNT OF HOUSEHOLD USERS: 72

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: _____ Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: _____ Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Oct 21/21 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ **TYPE** _____

DATE BINS WERE ORDERED: / / _____

DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Tires were taken to Lansdowne today

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>11:05</u>	<u>Matisse</u>	<u>Garbage Recycling</u>	<u>Full</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 672

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: 01/23/21 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1/1
 DATES BINS WERE PICKED UP: 01/24/21 occ / mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
16:50	Stander	Garbage Recycling	Full	✓

TOTAL COUNT OF HOUSEHOLD USERS: 168

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / ~~No~~
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Oct 25/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="checkbox"/>	
Windblown Litter:	<input checked="" type="checkbox"/>	
Leachate Springs:	<input checked="" type="checkbox"/>	
Animals:	<input checked="" type="checkbox"/>	
Other:	<input checked="" type="checkbox"/>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: 05/25/21 TYPE: mixed / paper
 DATES BINS WERE PICKED UP: 1 / 1

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Rained all day

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 48

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford

Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Oct 21/21 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE _____

DATE BINS WERE ORDERED: 1/1

DATES BINS WERE PICKED UP: 05/21/21 Organic waste

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:45	Elvidga	Garbage	Full	Y
10:15	"	Recycling	"	Y

TOTAL COUNT OF HOUSEHOLD USERS: 64

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes / No~~

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes / No~~

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Oct 28/21 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: / / TYPE _____

DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:50	Matisse	Garbage Recycling	Full	Y

TOTAL COUNT OF HOUSEHOLD USERS: 67

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / ~~No~~

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Oct 30/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	<u>Yes / No</u>	_____
Windblown Litter:	<u>Yes / No</u>	_____
Leachate Springs:	<u>Yes / No</u>	_____
Animals:	<u>Yes / No</u>	_____
Other:	<u>Yes / No</u>	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 1/1

DATES BINS WERE PICKED UP: Oct 12/21 mixed / paper

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:50</u>	<u>Stander</u>	<u>garbage Recycling</u>	<u>FULL</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 163

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Nov 1/21 TIME: 8:30 STAFF: DUSTY JACKSON

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / <u>No</u>	
Windblown Litter:	<u>Yes</u> / No	<u>bins</u> <u>Barriers</u>
Leachate Springs:	Yes / <u>No</u>	
Animals:	<u>Yes</u> / No	<u>BIRDS</u>
Other:	Yes / <u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:
Cleared up around bins

RECYCLING: TYPE _____
 DATE BINS WERE ORDERED: / /
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS
Rain in the afternoon

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 74

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: DAMP

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: _____
 OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of
**Leeds and the
Thousand Islands**

1233 Prince Street, P.O. Box 280
Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: Nov 3/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

Extra help for cleanup today

RECYCLING:

DATE BINS WERE ORDERED: Nov 2/21 TYPE: mixed / paper / OCC
 DATES BINS WERE PICKED UP: 1/1

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:25	EL Vidga	Crushed Recycling	FULL	Y
11:10	"	"	"	Y

TOTAL COUNT OF HOUSEHOLD USERS: 77

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / ~~No~~

IF NO: Waste Sent To: _____

LITTER CONTROL: ~~Yes~~ / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: ~~Yes~~ / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / ~~No~~

DETAILS: _____

COMPLAINTS RECEIVED: ~~Yes~~ / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE: John Stafford Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Nov 4/20 TIME: 8:20 STAFF: John Salford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE _____
 DATE BINS WERE ORDERED: / /
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:40	matissa	bar base Recycling	Full	✓

TOTAL COUNT OF HOUSEHOLD USERS: 68

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Salford
 OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Nov 6/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No <input checked="" type="checkbox"/>	
Windblown Litter:	Yes / No <input checked="" type="checkbox"/>	
Leachate Springs:	Yes / No <input checked="" type="checkbox"/>	
Animals:	Yes / No <input checked="" type="checkbox"/>	
Other:	Yes / No <input checked="" type="checkbox"/>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1/1
 DATES BINS WERE PICKED UP: Nov 15/21 paper / mixed / occ

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>12:05</u>	<u>Unknown</u>	<u>Not from This Township</u>

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:40</u>	<u>Sander</u>	<u>Garbage Recycling</u>	<u>FULL</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 158

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
 If Yes, complaint file number(s) and topic: _____

SIGNATURE: [Signature] Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Nov 8/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: Nov 8/21 TYPE: mixed / Steel

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 67

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE: [Signature] Print Staff Name: John Stafford

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Nov 10/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE

DATE BINS WERE ORDERED: 1/1

DATES BINS WERE PICKED UP: Nov 10/21 mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:45	FLVidge	Garbage	Full	Y
10:40	"	Recycling	"	Y

TOTAL COUNT OF HOUSEHOLD USERS: 67

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Nov 13/2022 TIME: 8:15 Am STAFF: Allan McPae

DEFICIENCIES OBSERVED:

Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>along Roadside</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>all along Road / around Bins</u>
Leachate Springs:	Yes / <input checked="" type="radio"/> No	
Animals:	Yes / <input checked="" type="radio"/> No	
Other:	Yes / <input checked="" type="radio"/> No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: / / TYPE _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

IT \$65.00 dollar Load Tags.

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 Am	Willie Mattice	Recycle/House	P/T Full Trailer	Yes
11:30 am	Stander	Recycle/House	Trailer	Yes

TOTAL COUNT OF HOUSEHOLD USERS: 164.

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: along Roadway / and Bins.

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE Allan McPae Print Staff Name: Allan McPae

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Nov 15/21 TIME: 8:25 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: **TYPE**
 DATE BINS WERE ORDERED: Nov/15/21 mixed / paper
 DATES BINS WERE PICKED UP: Nov/12/21 Steel

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 58

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: ~~Yes~~ / No
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stafford
 OFFICE USE: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Nov 17/21 TIME: 8:15 STAFF: John Stallard

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>No</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE

DATE BINS WERE ORDERED: 1/1

DATES BINS WERE PICKED UP: Nov 17/21 mixed/paper

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:30</u>	<u>EL Vidace</u>	<u>Garbage</u>	<u>Full</u>	<u>Y</u>
<u>11:35</u>	<u>"</u>	<u>Recycling</u>	<u>"</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 67

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: Cleaned up around bins

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE: [Signature] Print Staff Name: John Stallard

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Nov 18/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>No</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /
 DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Traffic slow heavy rain

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 36

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Nov 20/21 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / <u>No</u>	_____
Windblown Litter:	Yes / <u>No</u>	_____
Leachate Springs:	Yes / <u>No</u>	_____
Animals:	Yes / <u>No</u>	_____
Other:	Yes / <u>No</u>	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE _____
DATE BINS WERE ORDERED: / /
DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 154

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stafford
OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Nov 22/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>No</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: Nov/22/21 TYPE: mixed OCC/paper
 DATES BINS WERE PICKED UP: 1/1

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Two loads of gravel were brought in to help with mud issue

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 60

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE: [Signature] Print Staff Name: John Stafford

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Nov/24/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	<u>No</u>	
Windblown Litter:	<u>No</u>	
Leachate Springs:	<u>No</u>	
Animals:	<u>No</u>	
Other:	<u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: Nov/24/21 TYPE: Steel / mixed
 DATES BINS WERE PICKED UP: Nov/24/21 TYPE: mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:10</u>	<u>ELVidge</u>	<u>Garbage</u>	<u>Full</u>	<u>Y</u>
<u>11:00</u>	<u>"</u>	<u>Recycling</u>	<u>"</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 70

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: Cleaned up big mess around bins caused by people

APPLICATION OF DUST SUPPRESSANT: Yes / No

coming in after hours

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE: John Stafford Print Staff Name: John Stafford

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Nov 25 / 21 TIME: 8:25 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="checkbox"/> No	
Windblown Litter:	<input checked="" type="checkbox"/> No	
Leachate Springs:	<input checked="" type="checkbox"/> No	
Animals:	<input checked="" type="checkbox"/> No	
Other:	<input checked="" type="checkbox"/> No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: / / TYPE _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:50	Matisse	Garbage Recycling	Full	-

TOTAL COUNT OF HOUSEHOLD USERS: 56

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Nov 27/21 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ TYPE _____
 DATE BINS WERE ORDERED: 1/1
 DATES BINS WERE PICKED UP: Nov 26/21 paper / OCC

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:35	STANDER	Garbage Recycling	FULL	✓

TOTAL COUNT OF HOUSEHOLD USERS: 143

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Nov 29/21 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: Nov/29/21 TYPE: mixed
 DATES BINS WERE PICKED UP: Nov/29/21 Steel / mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 51

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE: John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Dec 1/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 46

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Dec 2/21 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: Dec 2/21 occ / paper
 DATES BINS WERE PICKED UP: Dec 2/21 mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:00</u>	<u>Matteo</u>	<u>Garbage Recycling</u>	<u>Full</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 42

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Dec 4 / 2011 TIME: 8:15 STAFF: John Stoffer

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 144

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes / No~~

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes / No~~

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE *John Stoffer* Print Staff Name: John Stoffer

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

DATE: Dec 6/21 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: Dec 16/21 TYPE: mixed

DATES BINS WERE PICKED UP: Dec 16/21 occ / paper

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Freezing rain a.m. Heavy rain p.m Traffic slow

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 29

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / ~~No~~

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Dec 8/21 TIME: 8:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Windblown Litter:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Leachate Springs:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Animals:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Other:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 1/1

DATES BINS WERE PICKED UP: Dec 8/21 mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Snowed all day traffic slower

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:25	ELVidge	Garbage	FULL	✓
11:35	"	Recycling	3/4	✓

TOTAL COUNT OF HOUSEHOLD USERS: 36

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stafford

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of
Leeds and the
Thousand Islands
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

WASTE DISPOSAL SITE
DAILY INSPECTION FORM

DATE: Dec 9/11 TIME: 8:20 STAFF: John Stobard

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
11:00	Matisse	garbage Recycling	Full	✓

TOTAL COUNT OF HOUSEHOLD USERS: 58

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / ~~No~~

IF NO: Waste Sent To: _____

LITTER CONTROL: ~~Yes~~ / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: ~~Yes~~ / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / ~~No~~

DETAILS: _____

COMPLAINTS RECEIVED: ~~Yes~~ / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stobard Print Staff Name: John Stobard

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Lansdowne
 Lyndhurst
 Escott

DATE: Dec 11/21 TIME: 8:15 STAFF: John Stoddard

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	<u>Near brush pile</u>
Windblown Litter:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Leachate Springs:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Animals:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	
Other:	<input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:
Reported it to Jones on Dec 6/21 Leaves and brush have blocked runoff

RECYCLING: TYPE _____
DATE BINS WERE ORDERED: / /
DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 130

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No
IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No
DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No
DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No
DETAILS: _____

COMPLAINTS RECEIVED: Yes / No
If Yes, complaint file number(s) and topic: _____

SIGNATURE [Signature] Print Staff Name: John Stoddard
OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Dec 13/21 TIME: 8:31 STAFF: John Stafford

DEFICIENCIES OBSERVED:

Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	<u>Around bins and Entrance</u>
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

Description / Location

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: Dec 13/21 TYPE: mixed / paper
 DATES BINS WERE PICKED UP: 1 / 1

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 74

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No

IF NO: Waste Sent To: _____

LITTER CONTROL: ~~Yes~~ / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE: [Signature] Print Staff Name: John Stafford

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Dec 15/21 TIME: 8:10 STAFF: John Stafford

DEFICIENCIES OBSERVED:

	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: Dec 15/21 TYPE: OLL

DATES BINS WERE PICKED UP: Dec 14/21 TYPE: mixed

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:20	Elvidge	Garbage	FULL	Y
11:10	"	Recycling	"	Y

TOTAL COUNT OF HOUSEHOLD USERS: 64

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes / No~~

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / ~~No~~

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE: John Stafford Print Staff Name: John Stafford

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Dec 16/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE

DATE BINS WERE ORDERED: 12/1/21 2021

DATES BINS WERE PICKED UP: / / / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:25</u>	<u>Matisse</u>	<u>Garbage Recycling</u>	<u>FULL</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 73

AREA OF WASTE DISPOSAL: All waste sent to active face: ~~Yes~~ / No

IF NO: Waste Sent To: _____

LITTER CONTROL: ~~Yes~~ / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ~~Yes~~ / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Dec 18 21 TIME: 8:15 STAFF: John Salkard

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ **TYPE** _____
 DATE BINS WERE ORDERED: 1 / 1
 DATES BINS WERE PICKED UP: Dec 17 / 21 paper / OCC

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:20	ELridge	Garbage / Recycling	FULL	Y

TOTAL COUNT OF HOUSEHOLD USERS: 151

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / ~~No~~
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Salkard **Print Staff Name:** John Salkard
OFFICE USE: _____

Date Reviewed: _____ **Reviewer:** _____ **File Number:** _____



Township of
Leeds and the
Thousand Islands
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

<input type="checkbox"/>	Lansdowne
<input checked="" type="checkbox"/>	Lyndhurst
<input type="checkbox"/>	Escott

WASTE DISPOSAL SITE
DAILY INSPECTION FORM

DATE: Dec 20/21 TIME: 8:15 STAFF: John Stafford

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE

DATE BINS WERE ORDERED: Dec 20/21 mixed / paper / OCC / steel

DATES BINS WERE PICKED UP: 1 / 1

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)

TOTAL COUNT OF HOUSEHOLD USERS: 50

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / ~~No~~

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford

OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Dec 22/21 TIME: 9:20 STAFF: John Stafford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	
Windblown Litter:	Yes / No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE
 DATE BINS WERE ORDERED: 1/1
 DATES BINS WERE PICKED UP: Dec 21/21 mixed / steel / compost
Empty oil containers

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:50	KL Vidage	Garbage Recycling	Full	✓
10:30	"	"	3/4	✓

TOTAL COUNT OF HOUSEHOLD USERS: 77

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / ~~No~~
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stafford Print Staff Name: John Stafford
 OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



<input type="checkbox"/> Lansdowne
<input checked="" type="checkbox"/> Lyndhurst
<input type="checkbox"/> Escott

DATE: Dec 29/21 TIME: 8:10 STAFF: John Stoford

DEFICIENCIES OBSERVED:	Yes / No	Description / Location
Ponded Water:	Yes / No	_____
Windblown Litter:	Yes / No	_____
Leachate Springs:	Yes / No	_____
Animals:	Yes / No	_____
Other:	Yes / No	_____

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: _____ **TYPE** _____
 DATE BINS WERE ORDERED: / / _____
 DATES BINS WERE PICKED UP: / / _____

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:45	ELvidge	Cardboard Recycling	Full	✓
10:30	"	"	"	✓

TOTAL COUNT OF HOUSEHOLD USERS: 94

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / ~~No~~
 IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / ~~No~~
 DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ~~No~~
 DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / ~~No~~
 DETAILS: _____

COMPLAINTS RECEIVED: Yes / ~~No~~
 If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stoford **Print Staff Name:** John Stoford
OFFICE USE: _____

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of **Leeds and the Thousand Islands**
 1233 Prince Street, P.O. Box 280
 Lansdowne, ON K0E 1L0

Lansdowne
 Lyndhurst
 Escott

**WASTE DISPOSAL SITE
 DAILY INSPECTION FORM**

DATE: Dec 30/21 TIME: 8:15 STAFF: John Stalck
ALAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING: TYPE

DATE BINS WERE ORDERED: 1/1

DATES BINS WERE PICKED UP: Dec 13/21 paper / OCC

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
11:05	mti	Recycling	600	✓

TOTAL COUNT OF HOUSEHOLD USERS: 113

AREA OF WASTE DISPOSAL: All waste sent to active face: Yes / No

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

If Yes, complaint file number(s) and topic: _____

SIGNATURE John Stalck **Print Staff Name:** John Stalck
Alan McRae ALAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____

Appendix G
Malroz Site Inspection



Landfill Site Inspection

Date: April 15, 2021
 Inspected by: MW
 Temperature: 10°C
 Project #: 1036

Time: 14:55



Inspection Item	Condition/Result	Notes
Is signage displayed that outlines the hours of operation, acceptable wastes etc. per ECA?	Yes	
Was a site attendant present during operational hours of the landfill? Record name of attendant.	Yes	Vapours in shed Hex - IBL - recent page
Were any hazardous or liquid wastes observed being disposed of at the site?	No	
Are recycling materials being placed in the appropriate bins?	Yes	
Were vermin, vectors, dust or litter present?	No/yes some litter	It was raining while onsite. litter present
Is windblown litter present at the site? If yes, has a schedule been set for removal?	Yes	Yes someone has been hired to clean it up. has already been there twice. on South side of gate
Are brush and clean wood segregated from other wastes?	Yes	Someone threw over fence
Did any waste burning occur at the site?	No	
Is interim cover being applied to the site?	Yes	
Is the property locked outside of posted hours? Is the gate and fencing in good condition?	Yes & Yes	Fence which was previously damaged has been fixed on the left side of gate (facing site)
Drainage conditions (e.g. ponded water).	Good	
Are surface water features obstructed?	No	

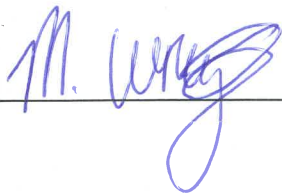
Proj #: 1036

Date: April 15, 2021

Inspection Item	Condition	Notes
Are all ditches, swales, sediment control ponds, and rock check dams in working order?	Yes	
Is there evidence of excessive erosion on the on-site road?	NO	
Condition of the landfill cap? Is erosion of the cap occurring? Condition of vegetation?	1. Good 2. NO 3. Good	
Are leachate springs evident anywhere on site?	NO	
Have all monitoring wells been located? Do all wells have proper caps? Do any wells need repair?	1. Yes 2. Yes 3. Yes	DW24 need repair due to a Separation
Are there seeps present?	NO	
What is the condition of the methane venting system?	n/a	
Was waste observed outside of the approved fill area?	NO	
Were any unapproved wastes deposited or observed at the site?	NO	
Are on-site structures in good condition?	Yes	
Methane monitoring in on site structures?	Yes	Hex-nr PID - 103 ppm
Other:		→ Due to sensor error detected to be caused by rain. → other sensor (dex) appeared to be functioning properly

General Comments:

Signature: _____



Briar Hill Site Inspection

Date: Oct. 21/21
 Inspected by: Marilyn Wright
 Weather Conditions: Cloudy (16°C)

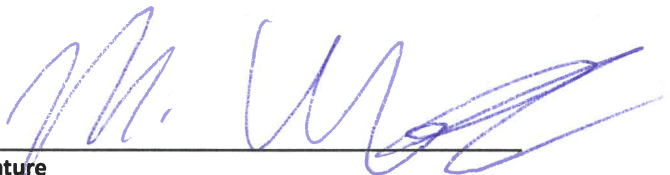
Time: 13:30

Inspection Item	condition	notes
Signage is displayed per section 2 (2), (3), and (4) of the ECA.	Good	
Was a site attendant present?	Yes	
Were any hazardous or liquid wastes observed being disposed of at the site?	No	
Are recycling materials being placed in the appropriate bins?	Yes	
Were vermin, vectors, dust or litter present?	Front to the right facing forward Turc Place Road	
Is litter present at the site? Has a schedule been set for removal if present.	Yes during high wind events & when large amounts are observed.	
Are brush and clean wood segregated from other wastes?.	Yes	
Are wastes burned at the site?	NO	
Is interim cover being applied to the site?	Yes	every other Tuesday

Is the property locked outside of posted hours?	Yes	
Drainage conditions (e.g. ponded water).	Good	
Are surfacewater features obstructed?	NO	
Are there seeps present?	NO	
What is the location of the active fill area?	SW to to the Landfill Shed as shown	- AS Shows on the Side Plan from Material
Was waste observed outside of the approved fill area?	NO	
Condition of the waste cap (Erosion, repairs needed?)	Good	
Were any unapproved wastes observed at the site?	NO	
Are on-site structures in good condition?	Yes	
Were buildings on site monitored for methane gas, as per 8(1) of the ECA?	Yes	Attendant Shed Vapour Monitoring: Hex: NR ME: - PID: NR

General Comments

Signature



Appendix H
Groundwater and Surface Water
Monitoring and Sampling Program

1036 Briar Hill

Monitoring Tasks:

- GPS Wells and SW stations
- Photos of Wells and SW Stations
- Site inspection
- Gas monitoring around buildings or structures at the site
- Measure DTW and DTB in monitoring wells

Sampling Tasks:

Groundwater:

BW1, BW2(s/d), L10, L11, L2, OW1, OW6R1, OW7R1, OW15(s/d), OW17
 OW18, OW19, OW20, OW21, OW22, OW23, OW24, OW25
 Pump required for BW1 and BW2d

Total 20
 Lab criteria: ODWS

Surface Water:

Total SW1, SW4 & SW5
 Lab criteria: 3
 PWQO

Parameters	Groundwater	Surface Water
Lab	Alkalinity	Alkalinity
	Arsenic	Arsenic
	Barium	Barium
	Boron	Boron
	Cadmium	Cadmium
	Chromium	Chromium
	Calcium	Calcium
	Cobalt	Cobalt
	Copper	Copper
	Iron	Iron
	Lead	Lead
	Magnesium	Magnesium
	Manganese	Manganese
	Potassium	Nickel
	Silver	Potassium
	Sodium	Silver
	Strontium	Sodium
	Uranium	Strontium
	Vanadium	Vanadium
	Zinc	Zinc
		Aluminum, dissolved
		Mercury, dissolved
	Acetone	
	Benzene	
	Bromobenzene	
	Bromodichloromethane	
	Bromoform	
	Bromomethane	
	Carbon Tetrachloride	
	Chloroethane	
	Chloroform	
	Chloromethane	
	2-Chlorotoluene	
	4-Chlorotoluene	
	1,2-Dibromo-3-Chloropropan	
	Dibromochloromethane	
	1,2-Dibromoethane	
	Dibromomethane	
	1,2-Dichlorobenzene	
	1,3-Dichlorobenzene	
	1,4-Dichlorobenzene	
	Dichlorodifluoromethane	
	1,1-Dichloroethane	
	1,2-Dichloroethane	
	1,1-Dichloroethylene	
	cis-1,2-Dichloroethylene	
	trans-1,2-Dichloroethylene	
	Methylene Chloride	
	1,2-Dichloropropane	
	1,3-Dichloropropane	
	2,2-Dichloropropane	
	cis-1,3-Dichloropropene	
	trans-1,3-Dichloropropene	
	1,3-Dichloropropene, total	
	1,1-Dichloropropene	
	Ethylbenzene	
	Hexachlorobutadiene	
	Hexane	
	Isopropylbenzene	
	4-Isopropyltoluene	
	Methyl Butyl Ketone	
	Methyl Ethyl Ketone	
	Methyl Isobutyl Ketone	
	Methyl tert-butyl ether	
	Chlorobenzene	
	Naphthalene	
	n-Butylbenzene	
	n-Propylbenzene	
	sec-Butylbenzene	
	Styrene	
	tert-Butylbenzene	
	1,1,1,2-Tetrachloroethane	
	1,1,2,2-Tetrachloroethane	
	Tetrachloroethylene	
	Toluene	
	1,2,3-Trichlorobenzene	
	1,2,4-Trichlorobenzene	
	1,1,1-Trichloroethane	
	1,1,2-Trichloroethane	
	Trichloroethylene	
	Trichlorofluoromethane	
	1,2,3-Trichloropropane	
	1,2,4-Trimethylbenzene	
	1,3,5-Trimethylbenzene	
	Vinyl Chloride	
	m/p-Xylene	
	o-Xylene	
	Xylenes, total	

Appendix I
Site Photographs



Photo 1: surface water location SW1 (April 2021)



Photo 2: surface water location SW4 (April 2021)



Photo 3: surface water location SW5 (April 2021)



Photo 4: front entrance signage (April 2021)



Photo 5: monitoring well BW2 (s/d) (October 2021)



Photo 6: monitoring well OW1 (April 2021)



Photo 7: monitoring well L10 and L11 (April 2021)



Photo 8: monitoring well L2 (April 2021)



Photo 9: monitoring well OW6R1
(April 2021)



Photo 10: monitoring well OW7R1
(October 2021)



Photo 11: monitoring well OW15d
(April 2021)



Photo 12: monitoring well OW15s
(April 2021)



Photo 13: monitoring well OW17
(October 2021)



Photo 14: monitoring well OW18
(April 2021)



Photo 15: monitoring Well OW19
(October 2021)



Photo 16: monitoring Well OW22
(October 2021)



Photo 17: monitoring well OW20
(October 2021)



Photo 18: monitoring well OW23
(October 2021)



Photo 19: monitoring well OW24R01
following installation (July 2021)



Photo 20: active waste filling area (October 2021)



Photo 21: cardboard, paper bins and plastic and can bins shed (October 2021)



Photo 22: view of brush pile (April 2021)



Photo 23: organic bins and plastic bins (April 2021)



Photo 24: scrap metal bin and organics bins (April 2021)

Appendix J
Laboratory Certificates of Analyses

C.O.C.: G098343

REPORT No. B21-10717

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 15-Apr-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 22-Apr-21

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

Client I.D.	21-W001	21-W004		
Sample I.D.	B21-10717-1	B21-10717-2		
Date Collected	15-Apr-21	15-Apr-21		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	19-Apr-21/O	208	208		
pH @25°C	pH Units		SM 4500H	19-Apr-21/O	8.08	8.18		
Conductivity @25°C	µmho/cm	1	SM 2510B	19-Apr-21/O	457	454		
Chloride	mg/L	0.5	SM4110C	19-Apr-21/O	9.2	8.8		
Nitrate (N)	mg/L	0.05	SM4110C	19-Apr-21/O	0.92	0.92		
Nitrite (N)	mg/L	0.05	SM4110C	19-Apr-21/O	< 0.05	< 0.05		
Sulphate	mg/L	1	SM4110C	19-Apr-21/O	21	21		
BOD(5 day)	mg/L	3	SM 5210B	16-Apr-21/K	< 3	< 3		
Total Suspended Solids	mg/L	3	SM2540D	16-Apr-21/K	26	3		
o-Phosphate (P)	mg/L	0.002	PE4500-S	19-Apr-21/K	0.004	0.003		
Phosphorus-Total	mg/L	0.01	E3199A.1	19-Apr-21/K	0.03	0.06		
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	19-Apr-21/K	0.6	0.7		
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	19-Apr-21/K	0.06	0.08		
Ammonia (N)-unionized	mg/L	0.01	CALC	19-Apr-21/K	< 0.01	< 0.01		
Total Dissolved Solids	mg/L	3	SM 2540D	20-Apr-21/O	236	235		
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	19-Apr-21/O	4.8	4.2		
Phenolics	mg/L	0.001	MOEE 3179	16-Apr-21/K	< 0.001	< 0.001		
COD	mg/L	5	SM5220C	16-Apr-21/K	21	16		
Hardness (as CaCO3)	mg/L	1	SM 3120	21-Apr-21/O	239	239		
Aluminum	mg/L	0.01	SM 3120	19-Apr-21/O	0.02	0.02		
Arsenic	mg/L	0.0001	EPA 200.8	20-Apr-21/O	0.0003	0.0002		
Barium	mg/L	0.001	SM 3120	21-Apr-21/O	0.132	0.125		
Boron	mg/L	0.005	SM 3120	21-Apr-21/O	0.023	0.022		
Cadmium	mg/L	0.000015	EPA 200.8	20-Apr-21/O	< 0.000015	< 0.000015		
Calcium	mg/L	0.02	SM 3120	21-Apr-21/O	57.8	54.8		
Chromium	mg/L	0.001	EPA 200.8	20-Apr-21/O	< 0.001	< 0.001		
Cobalt	mg/L	0.0001	EPA 200.8	20-Apr-21/O	0.0003	0.0004		



R.L. = Reporting Limit

Test methods may be modified from specified reference method unless indicated by an *

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

Michelle Dubien
 Lab Manager

The analytical results reported herein refer to the samples as received. Reproduction of this analytical report in full or in part is prohibited without prior consent from

C.O.C.: G098343

REPORT No. B21-10717

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada
Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 15-Apr-21
 DATE REPORTED: 22-Apr-21
 SAMPLE MATRIX: Surface Water

JOB/PROJECT NO.: 1036-Briar Hill
 P.O. NUMBER:
 WATERWORKS NO.

Client I.D.	21-W001	21-W004		
Sample I.D.	B21-10717-1	B21-10717-2		
Date Collected	15-Apr-21	15-Apr-21		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Copper	mg/L	0.0001	EPA 200.8	20-Apr-21/O	0.0011	0.0012		
Iron	mg/L	0.005	SM 3120	21-Apr-21/O	0.313	0.389		
Lead	mg/L	0.00002	EPA 200.8	20-Apr-21/O	0.00011	0.00024		
Magnesium	mg/L	0.02	SM 3120	21-Apr-21/O	20.3	19.6		
Manganese	mg/L	0.001	SM 3120	21-Apr-21/O	0.058	0.060		
Mercury	mg/L	0.00002	SM 3112 B	20-Apr-21/O	< 0.00002	< 0.00002		
Nickel	mg/L	0.0002	EPA 200.8	20-Apr-21/O	0.0006	0.0008		
Potassium	mg/L	0.1	SM 3120	21-Apr-21/O	1.5	1.5		
Silver	mg/L	0.0001	EPA 200.8	20-Apr-21/O	< 0.0001	< 0.0001		
Sodium	mg/L	0.2	SM 3120	21-Apr-21/O	6.8	6.5		
Strontium	mg/L	0.001	SM 3120	21-Apr-21/O	0.229	0.216		
Vanadium	mg/L	0.0001	EPA 200.8	20-Apr-21/O	0.0015	0.0017		
Zinc	mg/L	0.005	SM 3120	21-Apr-21/O	0.007	0.006		
pH	pH Units		Client Supplied Data	15-Apr-21	7.32	7.97		
Temperature	°C		Client Supplied Data	15-Apr-21	11.2	11.4		

1. Sample preserved at the lab.



Michelle Dubien
 Lab Manager

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C.O.C.: G098221

REPORT No. B21-10719 (i)

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 15-Apr-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 23-Apr-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W002	21-W003	21-W005	21-W006
Sample I.D.	B21-10719-1	B21-10719-2	B21-10719-3	B21-10719-4
Date Collected	15-Apr-21	15-Apr-21	15-Apr-21	15-Apr-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	19-Apr-21/O	515	458	203	216
pH @25°C	pH Units		SM 4500H	19-Apr-21/O	7.61	7.51	7.96	8.04
Conductivity @25°C	µmho/cm	1	SM 2510B	19-Apr-21/O	1250	1160	412	469
Chloride	mg/L	0.5	SM4110C	19-Apr-21/O	71.5	69.6	0.7	1.4
Nitrite (N)	mg/L	0.05	SM4110C	19-Apr-21/O	< 0.05	< 0.05	< 0.05	< 0.05
Nitrate (N)	mg/L	0.05	SM4110C	19-Apr-21/O	< 0.05	< 0.05	0.34	< 0.05
Sulphate	mg/L	1	SM4110C	19-Apr-21/O	45	46	4	21
BOD(5 day)	mg/L	3	SM 5210B	16-Apr-21/K	< 3	< 3	< 3	< 3
Total Suspended Solids	mg/L	3	SM2540D	16-Apr-21/K	36000	4080	14	12400
Phosphorus-Total	mg/L	0.01	E3199A.1	20-Apr-21/K	14.9	28.5	0.02	5.85
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	20-Apr-21/K	1.4	1.3	< 0.1	0.6
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	19-Apr-21/K	0.11	1.12	0.01	0.09
Total Dissolved Solids	mg/L	3	SM 2540D	20-Apr-21/O	676	642	213	242
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	20-Apr-21/O	4.0	5.0	2.0	2.3
Phenolics	mg/L	0.002	MOEE 3179	16-Apr-21/K	< 0.002	< 0.002	< 0.002	< 0.002
COD	mg/L	5	SM5220C	16-Apr-21/K	178	8	13	102
Hardness (as CaCO3)	mg/L	1	SM 3120	20-Apr-21/O	668	595	237	272
Aluminum	mg/L	0.01	SM 3120	20-Apr-21/O	0.04	0.09	0.13	0.07
Arsenic	mg/L	0.0001	EPA 200.8	20-Apr-21/O	0.0011	0.0008	0.0001	0.0002
Barium	mg/L	0.001	SM 3120	20-Apr-21/O	0.415	0.477	0.485	0.163
Boron	mg/L	0.005	SM 3120	20-Apr-21/O	0.246	0.243	0.011	0.006
Cadmium	mg/L	0.000015	EPA 200.8	20-Apr-21/O	< 0.000015	< 0.000015	< 0.000015	< 0.000015
Calcium	mg/L	0.02	SM 3120	20-Apr-21/O	148	155	62.4	60.9
Chromium	mg/L	0.001	EPA 200.8	20-Apr-21/O	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	mg/L	0.0001	EPA 200.8	20-Apr-21/O	0.0001	0.0005	0.0013	0.0002
Copper	mg/L	0.0001	EPA 200.8	20-Apr-21/O	0.0008	< 0.0001	0.0021	0.0013
Iron	mg/L	0.005	SM 3120	20-Apr-21/O	2.44	2.14	0.304	0.122



R.L. = Reporting Limit

Test methods may be modified from specified reference method unless indicated by an *

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

Michelle Dubien
 Lab Manager

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C.O.C.: G098221

REPORT No. B21-10719 (i)

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada
Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 15-Apr-21
 DATE REPORTED: 23-Apr-21
 SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1036-Briar Hill
 P.O. NUMBER:
 WATERWORKS NO.

Client I.D.	21-W002	21-W003	21-W005	21-W006
Sample I.D.	B21-10719-1	B21-10719-2	B21-10719-3	B21-10719-4
Date Collected	15-Apr-21	15-Apr-21	15-Apr-21	15-Apr-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Lead	mg/L	0.00002	EPA 200.8	20-Apr-21/O	0.00008	0.00008	0.00050	0.00008
Magnesium	mg/L	0.02	SM 3120	20-Apr-21/O	72.4	50.4	19.8	29.2
Manganese	mg/L	0.001	SM 3120	20-Apr-21/O	0.046	0.217	0.020	0.017
Mercury	mg/L	0.00002	SM 3112 B	20-Apr-21/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Potassium	mg/L	0.1	SM 3120	20-Apr-21/O	3.3	9.2	1.0	1.6
Silver	mg/L	0.0001	EPA 200.8	20-Apr-21/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	20-Apr-21/O	41.8	41.9	1.0	4.7
Strontium	mg/L	0.001	SM 3120	20-Apr-21/O	0.833	0.541	0.076	0.137
Uranium	mg/L	0.00005	EPA 200.8	20-Apr-21/O	< 0.00005	0.00244	0.00022	0.00131
Vanadium	mg/L	0.0001	EPA 200.8	20-Apr-21/O	< 0.0001	< 0.0001	0.0006	0.0003
Zinc	mg/L	0.005	SM 3120	20-Apr-21/O	< 0.005	< 0.005	< 0.005	< 0.005



Michelle Dubien
 Lab Manager

R.L. = Reporting Limit

Test methods may be modified from specified reference method unless indicated by an *

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

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 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
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DATE RECEIVED: 15-Apr-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 23-Apr-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Parameter	Units	R.L.	Client I.D.		21-W007	21-W008	21-W009	21-W010
			Reference Method	Date/Site Analyzed	B21-10719-5	B21-10719-6	B21-10719-7	B21-10719-8
			Date Collected		15-Apr-21	15-Apr-21	15-Apr-21	15-Apr-21
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	19-Apr-21/O	186	189	321	396
pH @25°C	pH Units		SM 4500H	19-Apr-21/O	8.02	8.10	7.57	7.66
Conductivity @25°C	µmho/cm	1	SM 2510B	19-Apr-21/O	464	470	967	1200
Chloride	mg/L	0.5	SM4110C	19-Apr-21/O	7.0	5.3	56.7	133
Nitrite (N)	mg/L	0.05	SM4110C	19-Apr-21/O	< 0.05	< 0.05	< 0.05	0.06
Nitrate (N)	mg/L	0.05	SM4110C	19-Apr-21/O	5.78	0.07	< 0.05	0.89
Sulphate	mg/L	1	SM4110C	19-Apr-21/O	15	40	84	20
BOD(5 day)	mg/L	3	SM 5210B	16-Apr-21/K	< 3	< 3	< 3	< 3
Total Suspended Solids	mg/L	3	SM2540D	16-Apr-21/K	2740	1200	40	6500
Phosphorus-Total	mg/L	0.01	E3199A.1	20-Apr-21/K	3.55	0.87	0.03	2.97
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	20-Apr-21/K	1.6	0.2	2.5	0.5
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	19-Apr-21/K	0.11	0.17	2.44	0.08
Total Dissolved Solids	mg/L	3	SM 2540D	20-Apr-21/O	240	243	515	647
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	20-Apr-21/O	1.5	1.8	4.9	2.8
Phenolics	mg/L	0.002	MOEE 3179	16-Apr-21/K	< 0.002	< 0.002	< 0.002	< 0.002
COD	mg/L	5	SM5220C	16-Apr-21/K	113	< 5	6	60
Hardness (as CaCO3)	mg/L	1	SM 3120	20-Apr-21/O	260	264	417	522
Aluminum	mg/L	0.01	SM 3120	20-Apr-21/O	0.05	0.04	0.08	0.09
Arsenic	mg/L	0.0001	EPA 200.8	20-Apr-21/O	< 0.0001	0.0006	0.0003	< 0.0001
Barium	mg/L	0.001	SM 3120	20-Apr-21/O	0.292	0.130	0.391	0.931
Boron	mg/L	0.005	SM 3120	20-Apr-21/O	0.018	0.063	0.216	0.066
Cadmium	mg/L	0.00015	EPA 200.8	20-Apr-21/O	< 0.000015	< 0.000015	0.000040	< 0.000015
Calcium	mg/L	0.02	SM 3120	20-Apr-21/O	64.4	59.4	121	149
Chromium	mg/L	0.001	EPA 200.8	20-Apr-21/O	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	mg/L	0.0001	EPA 200.8	20-Apr-21/O	< 0.0001	< 0.0001	0.0075	0.0002
Copper	mg/L	0.0001	EPA 200.8	20-Apr-21/O	0.0006	0.0009	0.0019	0.0016
Iron	mg/L	0.005	SM 3120	20-Apr-21/O	0.006	0.146	1.25	< 0.005



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Michelle Dubien
 Lab Manager

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C.O.C.: G098221

REPORT No. B21-10719 (i)

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada
Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 15-Apr-21
 DATE REPORTED: 23-Apr-21
 SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1036-Briar Hill
 P.O. NUMBER:
 WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.	21-W007	21-W008	21-W009	21-W010
					Sample I.D.	B21-10719-5	B21-10719-6	B21-10719-7	B21-10719-8
Date Collected					15-Apr-21	15-Apr-21	15-Apr-21	15-Apr-21	15-Apr-21
Lead	mg/L	0.00002	EPA 200.8	20-Apr-21/O	< 0.00002	0.00003	0.00003	< 0.00004	< 0.00004
Magnesium	mg/L	0.02	SM 3120	20-Apr-21/O	24.2	28.1	27.9	36.3	36.3
Manganese	mg/L	0.001	SM 3120	20-Apr-21/O	< 0.001	0.015	0.512	< 0.001	< 0.001
Mercury	mg/L	0.00002	SM 3112 B	20-Apr-21/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Potassium	mg/L	0.1	SM 3120	20-Apr-21/O	1.2	1.7	15.3	2.8	2.8
Silver	mg/L	0.0001	EPA 200.8	20-Apr-21/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	20-Apr-21/O	3.7	6.7	48.7	82.3	82.3
Strontium	mg/L	0.001	SM 3120	20-Apr-21/O	0.122	0.479	0.364	0.320	0.320
Uranium	mg/L	0.00005	EPA 200.8	20-Apr-21/O	0.00064	0.00038	0.00047	0.00054	0.00054
Vanadium	mg/L	0.0001	EPA 200.8	20-Apr-21/O	0.0005	< 0.0001	< 0.0001	0.0002	0.0002
Zinc	mg/L	0.005	SM 3120	20-Apr-21/O	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005



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JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 23-Apr-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.	21-W011	21-W012	21-W013	21-W014
					Sample I.D.	B21-10719-9	B21-10719-10	B21-10719-11	B21-10719-12
Date Collected					15-Apr-21	15-Apr-21	15-Apr-21	15-Apr-21	15-Apr-21
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	19-Apr-21/O		222	615	236	190
pH @25°C	pH Units		SM 4500H	19-Apr-21/O		7.83	7.46	7.90	7.99
Conductivity @25°C	µmho/cm	1	SM 2510B	19-Apr-21/O		646	1890	957	523
Chloride	mg/L	0.5	SM4110C	19-Apr-21/O		41.2	139	81.2	30.7
Nitrite (N)	mg/L	0.05	SM4110C	19-Apr-21/O		< 0.05	0.15	< 0.05	< 0.05
Nitrate (N)	mg/L	0.05	SM4110C	19-Apr-21/O		< 0.05	18.0	8.49	0.82
Sulphate	mg/L	1	SM4110C	19-Apr-21/O		40	107	89	17
BOD(5 day)	mg/L	3	SM 5210B	16-Apr-21/K		< 3	9	< 3	< 3
Total Suspended Solids	mg/L	3	SM2540D	16-Apr-21/K		5	150	420	3
Phosphorus-Total	mg/L	0.01	E3199A.1	20-Apr-21/K		0.02	0.39	0.36	0.01
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	20-Apr-21/K		1.1	2.9	0.3	< 0.1
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	19-Apr-21/K		0.90	0.19	0.05	< 0.01
Total Dissolved Solids	mg/L	3	SM 2540D	20-Apr-21/O		335	1040	509	271
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	20-Apr-21/O		3.9	6.6	2.4	1.6
Phenolics	mg/L	0.002	MOEE 3179	16-Apr-21/K		< 0.002	< 0.002	< 0.002	0.006
COD	mg/L	5	SM5220C	16-Apr-21/K		7	60	10	< 5
Hardness (as CaCO3)	mg/L	1	SM 3120	20-Apr-21/O		293	802	301	273
Aluminum	mg/L	0.01	SM 3120	20-Apr-21/O		0.06	0.12	0.06	0.05
Arsenic	mg/L	0.0001	EPA 200.8	20-Apr-21/O		< 0.0001	0.0005	0.0005	< 0.0001
Barium	mg/L	0.001	SM 3120	20-Apr-21/O		0.104	0.214	0.031	0.142
Boron	mg/L	0.005	SM 3120	20-Apr-21/O		0.723	0.300	0.019	0.007
Cadmium	mg/L	0.00015	EPA 200.8	20-Apr-21/O		< 0.00015	0.000024	0.000050	< 0.00015
Calcium	mg/L	0.02	SM 3120	20-Apr-21/O		79.7	254	78.7	69.8
Chromium	mg/L	0.001	EPA 200.8	20-Apr-21/O		< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	mg/L	0.0001	EPA 200.8	20-Apr-21/O		< 0.0001	0.0005	< 0.0001	< 0.0001
Copper	mg/L	0.0001	EPA 200.8	20-Apr-21/O		< 0.0001	0.0068	0.0024	0.0001



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Michelle Dubien
 Lab Manager

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 SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1036-Briar Hill
 P.O. NUMBER:
 WATERWORKS NO.

Client I.D.	21-W011	21-W012	21-W013	21-W014
Sample I.D.	B21-10719-9	B21-10719-10	B21-10719-11	B21-10719-12
Date Collected	15-Apr-21	15-Apr-21	15-Apr-21	15-Apr-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Iron	mg/L	0.005	SM 3120	20-Apr-21/O	0.568	0.021	0.023	0.008
Lead	mg/L	0.00002	EPA 200.8	20-Apr-21/O	< 0.00002	0.00013	0.00005	< 0.00002
Magnesium	mg/L	0.02	SM 3120	20-Apr-21/O	22.8	40.7	25.4	23.9
Manganese	mg/L	0.001	SM 3120	20-Apr-21/O	0.104	0.157	0.001	0.002
Mercury	mg/L	0.00002	SM 3112 B	20-Apr-21/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Potassium	mg/L	0.1	SM 3120	20-Apr-21/O	4.0	29.9	3.3	1.4
Silver	mg/L	0.0001	EPA 200.8	20-Apr-21/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	20-Apr-21/O	32.7	134	101	10.2
Strontium	mg/L	0.001	SM 3120	20-Apr-21/O	2.07	0.552	0.223	0.148
Uranium	mg/L	0.00005	EPA 200.8	20-Apr-21/O	0.00084	0.00091	0.00769	0.00088
Vanadium	mg/L	0.0001	EPA 200.8	20-Apr-21/O	< 0.0001	< 0.0001	0.0003	0.0005
Zinc	mg/L	0.005	SM 3120	20-Apr-21/O	< 0.005	< 0.005	0.009	< 0.005



Michelle Dubien
 Lab Manager

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P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.	21-W002	21-W003	21-W005	21-W006
					Sample I.D.	21-W002	21-W003	21-W005	21-W006
					Date Collected	15-Apr-21	15-Apr-21	15-Apr-21	15-Apr-21
Acetone	µg/L	30	EPA 8260	22-Apr-21/R	B21-10719-1	< 30	< 30	< 30	< 30
Benzene	µg/L	0.5	EPA 8260	22-Apr-21/R	B21-10719-2	< 0.5	< 0.5	< 0.5	< 0.5
Bromobenzene	µg/L	0.4	EPA 8260	22-Apr-21/R	B21-10719-3	< 0.4	< 0.4	< 0.4	< 0.4
Bromodichloromethane	µg/L	2	EPA 8260	22-Apr-21/R	B21-10719-4	< 2	< 2	< 2	< 2
Bromoform	µg/L	5	EPA 8260	22-Apr-21/R		< 5	< 5	< 5	< 5
Bromomethane	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	µg/L	0.2	EPA 8260	22-Apr-21/R		< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	µg/L	3	EPA 8260	22-Apr-21/R		< 3	< 3	< 3	< 3
Chloroform	µg/L	1	EPA 8260	22-Apr-21/R		< 1	< 1	< 1	< 1
Chloromethane	µg/L	2	EPA 8260	22-Apr-21/R		< 2	< 2	< 2	< 2
Chlorotoluene,2-	µg/L	0.2	EPA 8260	22-Apr-21/R		< 0.2	< 0.2	< 0.2	< 0.2
Chlorotoluene,4-	µg/L	0.2	EPA 8260	22-Apr-21/R		< 0.2	< 0.2	< 0.2	< 0.2
Dibromo-3-Chloropropane, 1,2-	µg/L	0.6	EPA 8260	22-Apr-21/R		< 0.6	< 0.6	< 0.6	< 0.6
Dibromochloromethane	µg/L	2	EPA 8260	22-Apr-21/R		< 2	< 2	< 2	< 2
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.2	EPA 8260	22-Apr-21/R		< 0.2	< 0.2	< 0.2	< 0.2
Dibromomethane	µg/L	0.1	EPA 8260	22-Apr-21/R		< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzene,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,3-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,4-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	µg/L	2	EPA 8260	22-Apr-21/R		< 2	< 2	< 2	< 2
Dichloroethane,1,1-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethane,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, cis-1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, trans-1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethylene,1,1-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5



Michelle Dubien
 Lab Manager

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DATE RECEIVED: 15-Apr-21
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 SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1036-Briar Hill
 P.O. NUMBER:
 WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.			
					21-W002	21-W003	21-W005	21-W006
					Sample I.D.			
					Date Collected			
					B21-10719-1	B21-10719-2	B21-10719-3	B21-10719-4
					15-Apr-21	15-Apr-21	15-Apr-21	15-Apr-21
Dichloromethane (Methylene Chloride)	µg/L	5	EPA 8260	22-Apr-21/R	< 5	< 5	< 5	< 5
Dichloropropane,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropane,1,3-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropane,2,2-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropene 1,3-cis+trans	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, cis-1,3-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, trans-1,3-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene,1,1-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Hexachlorobutadiene	µg/L	0.6	EPA 8260	22-Apr-21/R	< 0.6	< 0.6	< 0.6	< 0.6
Hexane	µg/L	5	EPA 8260	22-Apr-21/R	< 5	< 5	< 5	< 5
Isopropylbenzene	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Isopropyltoluene,4-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Methyl Butyl Ketone	µg/L	5	EPA 8260	22-Apr-21/R	< 5	< 5	< 5	< 5
Methyl Ethyl Ketone	µg/L	20	EPA 8260	22-Apr-21/R	< 20	< 20	< 20	< 20
Methyl Isobutyl Ketone	µg/L	20	EPA 8260	22-Apr-21/R	< 20	< 20	< 20	< 20
Methyl-t-butyl Ether	µg/L	2	EPA 8260	22-Apr-21/R	< 2	< 2	< 2	< 2
Monochlorobenzene (Chlorobenzene)	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	µg/L	0.4	EPA 8260	22-Apr-21/R	< 0.4	< 0.4	< 0.4	< 0.4
n-Butylbenzene	µg/L	0.4	EPA 8260	22-Apr-21/R	< 0.4	< 0.4	< 0.4	< 0.4
n-Propylbenzene	µg/L	0.1	EPA 8260	22-Apr-21/R	< 0.1	< 0.1	< 0.1	< 0.1
sec-Butylbenzene	µg/L	0.1	EPA 8260	22-Apr-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butylbenzene	µg/L	0.1	EPA 8260	22-Apr-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethane,1,1,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5



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 P.O. NUMBER:
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Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.	21-W002	21-W003	21-W005	21-W006
					Sample I.D.	21-W002	21-W003	21-W005	21-W006
Tetrachloroethane, 1,1,2,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	B21-10719-1	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethylene	µg/L	0.5	EPA 8260	22-Apr-21/R	B21-10719-2	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	µg/L	0.5	EPA 8260	22-Apr-21/R	B21-10719-3	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorobenzene, 1,2,3-	µg/L	0.5	EPA 8260	22-Apr-21/R	B21-10719-4	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorobenzene, 1,2,4-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane, 1,1,1-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane, 1,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethylene	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	µg/L	5	EPA 8260	22-Apr-21/R		< 5	< 5	< 5	< 5
Trichloropropane, 1,2,3-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Trimethylbenzene, 1,2,4-	µg/L	1	EPA 8260	22-Apr-21/R		< 1	< 1	< 1	< 1
Trimethylbenzene, 1,3,5-	µg/L	0.1	EPA 8260	22-Apr-21/R		< 0.1	< 0.1	< 0.1	< 0.1
Vinyl Chloride	µg/L	0.2	EPA 8260	22-Apr-21/R		< 0.2	< 0.2	< 0.2	< 0.2
Xylene, m,p-	µg/L	1.0	EPA 8260	22-Apr-21/R		< 1.0	< 1.0	< 1.0	< 1.0
Xylene, m,p,o-	µg/L	1.1	EPA 8260	22-Apr-21/R		< 1.1	< 1.1	< 1.1	< 1.1
Xylene, o-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5



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 Fax: 613-544-2770

DATE RECEIVED: 15-Apr-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 23-Apr-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.	21-W007	21-W008	21-W009	21-W010
					Sample I.D.	21-W007	21-W008	21-W009	21-W010
					Date Collected	15-Apr-21	15-Apr-21	15-Apr-21	15-Apr-21
Acetone	µg/L	30	EPA 8260	22-Apr-21/R	B21-10719-5	< 30	< 30	< 30	< 30
Benzene	µg/L	0.5	EPA 8260	22-Apr-21/R	B21-10719-6	< 0.5	< 0.5	< 0.5	< 0.5
Bromobenzene	µg/L	0.4	EPA 8260	22-Apr-21/R	B21-10719-7	< 0.4	< 0.4	< 0.4	< 0.4
Bromodichloromethane	µg/L	2	EPA 8260	22-Apr-21/R	B21-10719-8	< 2	< 2	< 2	< 2
Bromoform	µg/L	5	EPA 8260	22-Apr-21/R		< 5	< 5	< 5	< 5
Bromomethane	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	µg/L	0.2	EPA 8260	22-Apr-21/R		< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	µg/L	3	EPA 8260	22-Apr-21/R		< 3	< 3	< 3	< 3
Chloroform	µg/L	1	EPA 8260	22-Apr-21/R		< 1	< 1	< 1	< 1
Chloromethane	µg/L	2	EPA 8260	22-Apr-21/R		< 2	< 2	< 2	< 2
Chlorotoluene,2-	µg/L	0.2	EPA 8260	22-Apr-21/R		< 0.2	< 0.2	< 0.2	< 0.2
Chlorotoluene,4-	µg/L	0.2	EPA 8260	22-Apr-21/R		< 0.2	< 0.2	< 0.2	< 0.2
Dibromo-3-Chloropropane, 1,2-	µg/L	0.6	EPA 8260	22-Apr-21/R		< 0.6	< 0.6	< 0.6	< 0.6
Dibromochloromethane	µg/L	2	EPA 8260	22-Apr-21/R		< 2	< 2	< 2	< 2
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.2	EPA 8260	22-Apr-21/R		< 0.2	< 0.2	< 0.2	< 0.2
Dibromomethane	µg/L	0.1	EPA 8260	22-Apr-21/R		< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzene,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,3-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,4-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	µg/L	2	EPA 8260	22-Apr-21/R		< 2	< 2	< 2	< 2
Dichloroethane,1,1-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethane,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, cis-1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, trans-1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethylene,1,1-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5



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Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

Michelle Dubien
 Lab Manager

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C.O.C.: G098221

REPORT No. B21-10719 (ii)

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada
Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 15-Apr-21
 DATE REPORTED: 23-Apr-21
 SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1036-Briar Hill
 P.O. NUMBER:
 WATERWORKS NO.

Parameter	Units	R.L.	Client I.D.		21-W007	21-W008	21-W009	21-W010
			Reference Method	Date/Site Analyzed	B21-10719-5	B21-10719-6	B21-10719-7	B21-10719-8
			Date Collected		15-Apr-21	15-Apr-21	15-Apr-21	15-Apr-21
Dichloromethane (Methylene Chloride)	µg/L	5	EPA 8260	22-Apr-21/R	< 5	< 5	< 5	< 5
Dichloropropane,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropane,1,3-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropane,2,2-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropene 1,3-cis+trans	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, cis-1,3-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, trans-1,3-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene,1,1-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Hexachlorobutadiene	µg/L	0.6	EPA 8260	22-Apr-21/R	< 0.6	< 0.6	< 0.6	< 0.6
Hexane	µg/L	5	EPA 8260	22-Apr-21/R	< 5	< 5	< 5	< 5
Isopropylbenzene	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Isopropyltoluene,4-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Methyl Butyl Ketone	µg/L	5	EPA 8260	22-Apr-21/R	< 5	< 5	< 5	< 5
Methyl Ethyl Ketone	µg/L	20	EPA 8260	22-Apr-21/R	< 20	< 20	< 20	< 20
Methyl Isobutyl Ketone	µg/L	20	EPA 8260	22-Apr-21/R	< 20	< 20	< 20	< 20
Methyl-t-butyl Ether	µg/L	2	EPA 8260	22-Apr-21/R	< 2	< 2	< 2	< 2
Monochlorobenzene (Chlorobenzene)	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	µg/L	0.4	EPA 8260	22-Apr-21/R	< 0.4	< 0.4	< 0.4	< 0.4
n-Butylbenzene	µg/L	0.4	EPA 8260	22-Apr-21/R	< 0.4	< 0.4	< 0.4	< 0.4
n-Propylbenzene	µg/L	0.1	EPA 8260	22-Apr-21/R	< 0.1	< 0.1	< 0.1	< 0.1
sec-Butylbenzene	µg/L	0.1	EPA 8260	22-Apr-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butylbenzene	µg/L	0.1	EPA 8260	22-Apr-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethane,1,1,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5



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DATE RECEIVED: 15-Apr-21
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 SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1036-Briar Hill
 P.O. NUMBER:
 WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.			
					21-W007	21-W008	21-W009	21-W010
Tetrachloroethane,1,1,2,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethylene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorobenzene,1,2,3-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorobenzene,1,2,4-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane,1,1,1-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane,1,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethylene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	µg/L	5	EPA 8260	22-Apr-21/R	< 5	< 5	< 5	< 5
Trichloropropane,1,2,3-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trimethylbenzene,1,2,4-	µg/L	1	EPA 8260	22-Apr-21/R	< 1	< 1	< 1	< 1
Trimethylbenzene,1,3,5-	µg/L	0.1	EPA 8260	22-Apr-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Vinyl Chloride	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Xylene, m,p-	µg/L	1.0	EPA 8260	22-Apr-21/R	< 1.0	< 1.0	< 1.0	< 1.0
Xylene, m,p,o-	µg/L	1.1	EPA 8260	22-Apr-21/R	< 1.1	< 1.1	< 1.1	< 1.1
Xylene, o-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5



Michelle Dubien
 Lab Manager

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SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.	21-W011	21-W012	21-W013	21-W014
					Sample I.D.	B21-10719-9	B21-10719-10	B21-10719-11	B21-10719-12
Date Collected					15-Apr-21	15-Apr-21	15-Apr-21	15-Apr-21	15-Apr-21
Acetone	µg/L	30	EPA 8260	22-Apr-21/R	< 30	< 30	< 30	< 30	< 30
Benzene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromobenzene	µg/L	0.4	EPA 8260	22-Apr-21/R	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Bromodichloromethane	µg/L	2	EPA 8260	22-Apr-21/R	< 2	< 2	< 2	< 2	< 2
Bromoform	µg/L	5	EPA 8260	22-Apr-21/R	< 5	< 5	< 5	< 5	< 5
Bromomethane	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	µg/L	3	EPA 8260	22-Apr-21/R	< 3	< 3	< 3	< 3	< 3
Chloroform	µg/L	1	EPA 8260	22-Apr-21/R	< 1	< 1	< 1	< 1	< 1
Chloromethane	µg/L	2	EPA 8260	22-Apr-21/R	< 2	< 2	< 2	< 2	< 2
Chlorotoluene,2-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chlorotoluene,4-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Dibromo-3-Chloropropane, 1,2-	µg/L	0.6	EPA 8260	22-Apr-21/R	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Dibromochloromethane	µg/L	2	EPA 8260	22-Apr-21/R	< 2	< 2	< 2	< 2	< 2
Dibromoethane, 1,2- (Ethylene Dibromide)	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Dibromomethane	µg/L	0.1	EPA 8260	22-Apr-21/R	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzene, 1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene, 1,3-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene, 1,4-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	µg/L	2	EPA 8260	22-Apr-21/R	< 2	< 2	< 2	< 2	< 2
Dichloroethane, 1,1-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethane, 1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, cis-1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, trans-1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethylene, 1,1-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5



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SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.	21-W011	21-W012	21-W013	21-W014
					Sample I.D.	21-W011	21-W012	21-W013	21-W014
Dichloromethane (Methylene Chloride)	µg/L	5	EPA 8260	22-Apr-21/R	B21-10719-9	< 5	< 5	< 5	< 5
Dichloropropane,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	B21-10719-10	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropane,1,3-	µg/L	0.2	EPA 8260	22-Apr-21/R	B21-10719-11	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropane,2,2-	µg/L	0.2	EPA 8260	22-Apr-21/R		< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropene 1,3-cis+trans	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, cis-1,3-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, trans-1,3-	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene,1,1-	µg/L	0.2	EPA 8260	22-Apr-21/R		< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Hexachlorobutadiene	µg/L	0.6	EPA 8260	22-Apr-21/R		< 0.6	< 0.6	< 0.6	< 0.6
Hexane	µg/L	5	EPA 8260	22-Apr-21/R		< 5	< 5	< 5	< 5
Isopropylbenzene	µg/L	0.2	EPA 8260	22-Apr-21/R		< 0.2	< 0.2	< 0.2	< 0.2
Isopropyltoluene,4-	µg/L	0.2	EPA 8260	22-Apr-21/R		< 0.2	< 0.2	< 0.2	< 0.2
Methyl Butyl Ketone	µg/L	5	EPA 8260	22-Apr-21/R		< 5	< 5	< 5	< 5
Methyl Ethyl Ketone	µg/L	20	EPA 8260	22-Apr-21/R		< 20	< 20	< 20	< 20
Methyl Isobutyl Ketone	µg/L	20	EPA 8260	22-Apr-21/R		< 20	< 20	< 20	< 20
Methyl-t-butyl Ether	µg/L	2	EPA 8260	22-Apr-21/R		< 2	< 2	< 2	< 2
Monochlorobenzene (Chlorobenzene)	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	µg/L	0.4	EPA 8260	22-Apr-21/R		< 0.4	< 0.4	< 0.4	< 0.4
n-Butylbenzene	µg/L	0.4	EPA 8260	22-Apr-21/R		< 0.4	< 0.4	< 0.4	< 0.4
n-Propylbenzene	µg/L	0.1	EPA 8260	22-Apr-21/R		< 0.1	< 0.1	< 0.1	< 0.1
sec-Butylbenzene	µg/L	0.1	EPA 8260	22-Apr-21/R		< 0.1	< 0.1	< 0.1	< 0.1
Styrene	µg/L	0.5	EPA 8260	22-Apr-21/R		< 0.5	< 0.5	< 0.5	< 0.5
tert-Butylbenzene	µg/L	0.1	EPA 8260	22-Apr-21/R		< 0.1	< 0.1	< 0.1	< 0.1



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 P.O. NUMBER:
 WATERWORKS NO.

Client I.D.	21-W011	21-W012	21-W013	21-W014
Sample I.D.	B21-10719-9	B21-10719-10	B21-10719-11	B21-10719-12
Date Collected	15-Apr-21	15-Apr-21	15-Apr-21	15-Apr-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Tetrachloroethane,1,1,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethane,1,1,2,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethylene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorobenzene,1,2,3-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorobenzene,1,2,4-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane,1,1,1-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane,1,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethylene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	µg/L	5	EPA 8260	22-Apr-21/R	< 5	< 5	< 5	< 5
Trichloropropane,1,2,3-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trimethylbenzene,1,2,4-	µg/L	1	EPA 8260	22-Apr-21/R	< 1	< 1	< 1	< 1
Trimethylbenzene,1,3,5-	µg/L	0.1	EPA 8260	22-Apr-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Vinyl Chloride	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Xylene, m,p-	µg/L	1.0	EPA 8260	22-Apr-21/R	< 1.0	< 1.0	< 1.0	< 1.0
Xylene, m,p,o-	µg/L	1.1	EPA 8260	22-Apr-21/R	< 1.1	< 1.1	< 1.1	< 1.1
Xylene, o-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5



Michelle Dubien
 Lab Manager

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C.O.C.: G103278

REPORT No. B21-10808 (i)

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 16-Apr-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 26-Apr-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Parameter	Units	R.L.	Client I.D.		21-W015	21-W016	21-W017	21-W018
			Reference Method	Date/Site Analyzed	B21-10808-1	B21-10808-2	B21-10808-3	B21-10808-4
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	20-Apr-21/O	771	394	461	422
pH @25°C	pH Units		SM 4500H	20-Apr-21/O	7.67	7.84	7.87	7.93
Conductivity @25°C	µmho/cm	1	SM 2510B	20-Apr-21/O	1790	825	939	1380
Chloride	mg/L	0.5	SM4110C	20-Apr-21/O	114	28.7	25.8	194
Nitrite (N)	mg/L	0.05	SM4110C	20-Apr-21/O	< 0.05	< 0.05	< 0.05	< 0.05
Nitrate (N)	mg/L	0.05	SM4110C	20-Apr-21/O	< 0.05	1.33	1.64	2.30
Sulphate	mg/L	1	SM4110C	20-Apr-21/O	73	13	16	26
BOD(5 day)	mg/L	3	SM 5210B	16-Apr-21/K	< 3	< 3	< 3	< 3
Total Suspended Solids	mg/L	3	SM2540D	20-Apr-21/K	24	202	215	148
Phosphorus-Total	mg/L	0.01	E3199A.1	22-Apr-21/K	0.10	0.25	0.22	0.16
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	22-Apr-21/K	13.4	0.3	1.0	0.2
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	20-Apr-21/K	12.1	< 0.01	< 0.01	0.01
Total Dissolved Solids	mg/L	3	SM 2540D	21-Apr-21/O	984	434	499	751
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	21-Apr-21/O	12.7	3.5	3.1	2.3
Phenolics	mg/L	0.002	MOEE 3179	21-Apr-21/K	< 0.002	< 0.002	< 0.002	< 0.002
COD	mg/L	5	SM5220C	16-Apr-21/K	57	9	91	< 5
Hardness (as CaCO3)	mg/L	1	SM 3120	20-Apr-21/O	806	468	538	611
Aluminum	mg/L	0.01	SM 3120	20-Apr-21/O	0.10	0.08	0.08	0.08
Arsenic	mg/L	0.0001	EPA 200.8	21-Apr-21/O	0.0002	< 0.0001	0.0001	< 0.0001
Barium	mg/L	0.001	SM 3120	20-Apr-21/O	0.135	0.432	0.664	0.801
Boron	mg/L	0.005	SM 3120	20-Apr-21/O	1.18	0.028	0.015	0.053
Cadmium	mg/L	0.000015	EPA 200.8	21-Apr-21/O	< 0.000015	0.000038	< 0.000015	< 0.000015
Calcium	mg/L	0.02	SM 3120	20-Apr-21/O	217	137	152	166
Chromium	mg/L	0.001	EPA 200.8	21-Apr-21/O	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	mg/L	0.0001	EPA 200.8	21-Apr-21/O	0.0006	0.0006	< 0.0001	< 0.0001
Copper	mg/L	0.0001	EPA 200.8	21-Apr-21/O	0.0006	0.0015	0.0016	0.0006
Iron	mg/L	0.005	SM 3120	20-Apr-21/O	8.45	< 0.005	< 0.005	< 0.005



Michelle Dubien
 Lab Manager

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C.O.C.: G103278

REPORT No. B21-10808 (i)

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada
Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 16-Apr-21
 DATE REPORTED: 26-Apr-21
 SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1036-Briar Hill
 P.O. NUMBER:
 WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.	21-W015	21-W016	21-W017	21-W018
					Sample I.D.	21-W015	21-W016	21-W017	21-W018
Lead	mg/L	0.00002	EPA 200.8	21-Apr-21/O	B21-10808-1	< 0.00004	0.00002	0.00003	< 0.00004
Magnesium	mg/L	0.02	SM 3120	20-Apr-21/O	B21-10808-2	64.0	30.6	38.4	47.6
Manganese	mg/L	0.001	SM 3120	20-Apr-21/O	B21-10808-3	0.067	0.001	0.001	0.001
Mercury	mg/L	0.00002	SM 3112 B	21-Apr-21/O	B21-10808-4	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Potassium	mg/L	0.1	SM 3120	20-Apr-21/O		38.3	3.6	1.4	4.3
Silver	mg/L	0.0001	EPA 200.8	21-Apr-21/O		< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	20-Apr-21/O		97.5	10.9	17.3	76.2
Strontium	mg/L	0.001	SM 3120	20-Apr-21/O		0.829	0.222	0.192	0.264
Uranium	mg/L	0.00005	EPA 200.8	21-Apr-21/O		0.00059	0.00047	0.00030	0.00083
Vanadium	mg/L	0.0001	EPA 200.8	21-Apr-21/O		0.0008	0.0002	0.0002	< 0.0001
Zinc	mg/L	0.005	SM 3120	20-Apr-21/O		< 0.005	< 0.005	< 0.005	< 0.005



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 Lab Manager

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JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 26-Apr-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W020	21-W021		
Sample I.D.	B21-10808-5	B21-10808-6		
Date Collected	16-Apr-21	16-Apr-21		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	20-Apr-21/O	330	289		
pH @25°C	pH Units		SM 4500H	20-Apr-21/O	8.01	8.01		
Conductivity @25°C	µmho/cm	1	SM 2510B	20-Apr-21/O	749	651		
Chloride	mg/L	0.5	SM4110C	20-Apr-21/O	19.1	15.4		
Nitrite (N)	mg/L	0.05	SM4110C	20-Apr-21/O	< 0.05	< 0.05		
Nitrate (N)	mg/L	0.05	SM4110C	20-Apr-21/O	2.79	< 0.05		
Sulphate	mg/L	1	SM4110C	20-Apr-21/O	45	45		
BOD(5 day)	mg/L	3	SM 5210B	16-Apr-21/K	< 3	< 3		
Total Suspended Solids	mg/L	3	SM2540D	20-Apr-21/K	23500	5850		
Phosphorus-Total	mg/L	0.01	E3199A.1	22-Apr-21/K	2.92	3.40		
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	22-Apr-21/K	0.4	0.4		
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	20-Apr-21/K	0.04	0.13		
Total Dissolved Solids	mg/L	3	SM 2540D	21-Apr-21/O	391	338		
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	21-Apr-21/O	3.5	2.4		
Phenolics	mg/L	0.002	MOEE 3179	21-Apr-21/K	< 0.002	< 0.002		
COD	mg/L	5	SM5220C	16-Apr-21/K	57	13		
Hardness (as CaCO3)	mg/L	1	SM 3120	20-Apr-21/O	426	333		
Aluminum	mg/L	0.01	SM 3120	20-Apr-21/O	0.06	0.06		
Arsenic	mg/L	0.0001	EPA 200.8	21-Apr-21/O	0.0003	0.0001		
Barium	mg/L	0.001	SM 3120	20-Apr-21/O	0.221	0.044		
Boron	mg/L	0.005	SM 3120	20-Apr-21/O	0.023	0.007		
Cadmium	mg/L	0.000015	EPA 200.8	21-Apr-21/O	< 0.000015	0.000063		
Calcium	mg/L	0.02	SM 3120	20-Apr-21/O	103	92.5		
Chromium	mg/L	0.001	EPA 200.8	21-Apr-21/O	< 0.001	< 0.001		
Cobalt	mg/L	0.0001	EPA 200.8	21-Apr-21/O	0.0002	0.0003		
Copper	mg/L	0.0001	EPA 200.8	21-Apr-21/O	0.0035	0.0017		
Iron	mg/L	0.005	SM 3120	20-Apr-21/O	< 0.005	0.054		



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Michelle Dubien
 Lab Manager

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REPORT No. B21-10808 (i)

Report To:

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 308 Wellington Street, 2nd Floor
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Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 16-Apr-21
 DATE REPORTED: 26-Apr-21
 SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1036-Briar Hill
 P.O. NUMBER:
 WATERWORKS NO.

Client I.D.	21-W020	21-W021		
Sample I.D.	B21-10808-5	B21-10808-6		
Date Collected	16-Apr-21	16-Apr-21		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Lead	mg/L	0.00002	EPA 200.8	21-Apr-21/O	< 0.00002	0.00003		
Magnesium	mg/L	0.02	SM 3120	20-Apr-21/O	40.9	24.7		
Manganese	mg/L	0.001	SM 3120	20-Apr-21/O	0.003	0.007		
Mercury	mg/L	0.00002	SM 3112 B	21-Apr-21/O	< 0.00002	< 0.00002		
Potassium	mg/L	0.1	SM 3120	20-Apr-21/O	7.9	1.4		
Silver	mg/L	0.0001	EPA 200.8	21-Apr-21/O	< 0.0001	< 0.0001		
Sodium	mg/L	0.2	SM 3120	20-Apr-21/O	8.1	7.6		
Strontium	mg/L	0.001	SM 3120	20-Apr-21/O	0.189	0.217		
Uranium	mg/L	0.00005	EPA 200.8	21-Apr-21/O	0.00273	0.00052		
Vanadium	mg/L	0.0001	EPA 200.8	21-Apr-21/O	0.0007	0.0002		
Zinc	mg/L	0.005	SM 3120	20-Apr-21/O	< 0.005	0.005		



Michelle Dubien
 Lab Manager

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REPORT No. B21-10808 (ii)

Report To:

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 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 16-Apr-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 26-Apr-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W015	21-W016	21-W017	21-W018
Sample I.D.	B21-10808-1	B21-10808-2	B21-10808-3	B21-10808-4
Date Collected	16-Apr-21	16-Apr-21	16-Apr-21	16-Apr-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Acetone	µg/L	30	EPA 8260	22-Apr-21/R	< 30	< 30	< 30	< 30
Benzene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Bromobenzene	µg/L	0.4	EPA 8260	22-Apr-21/R	< 0.4	< 0.4	< 0.4	< 0.4
Bromodichloromethane	µg/L	2	EPA 8260	22-Apr-21/R	< 2	< 2	< 2	< 2
Bromoform	µg/L	5	EPA 8260	22-Apr-21/R	< 5	< 5	< 5	< 5
Bromomethane	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	µg/L	3	EPA 8260	22-Apr-21/R	< 3	< 3	< 3	< 3
Chloroform	µg/L	1	EPA 8260	22-Apr-21/R	< 1	< 1	< 1	< 1
Chloromethane	µg/L	2	EPA 8260	22-Apr-21/R	< 2	< 2	< 2	< 2
Chlorotoluene,2-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Chlorotoluene,4-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dibromo-3-Chloropropane, 1,2-	µg/L	0.6	EPA 8260	22-Apr-21/R	< 0.6	< 0.6	< 0.6	< 0.6
Dibromochloromethane	µg/L	2	EPA 8260	22-Apr-21/R	< 2	< 2	< 2	< 2
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dibromomethane	µg/L	0.1	EPA 8260	22-Apr-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzene,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,3-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,4-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	µg/L	2	EPA 8260	22-Apr-21/R	< 2	< 2	< 2	< 2
Dichloroethane,1,1-	µg/L	0.5	EPA 8260	22-Apr-21/R	1.2	< 0.5	< 0.5	< 0.5
Dichloroethane,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, cis-1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	0.9	< 0.5	< 0.5	< 0.5
Dichloroethene, trans-1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethylene,1,1-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5



Michelle Dubien
 Lab Manager

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REPORT No. B21-10808 (ii)

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Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 16-Apr-21
 DATE REPORTED: 26-Apr-21
 SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1036-Briar Hill
 P.O. NUMBER:
 WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.			
					21-W015	21-W016	21-W017	21-W018
					Sample I.D.	Sample I.D.	Sample I.D.	Sample I.D.
					Date Collected	Date Collected	Date Collected	Date Collected
Dichloromethane (Methylene Chloride)	µg/L	5	EPA 8260	22-Apr-21/R	< 5	< 5	< 5	< 5
Dichloropropane,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropane,1,3-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropane,2,2-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropene 1,3-cis+trans	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, cis-1,3-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, trans-1,3-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene,1,1-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Hexachlorobutadiene	µg/L	0.6	EPA 8260	22-Apr-21/R	< 0.6	< 0.6	< 0.6	< 0.6
Hexane	µg/L	5	EPA 8260	22-Apr-21/R	< 5	< 5	< 5	< 5
Isopropylbenzene	µg/L	0.2	EPA 8260	22-Apr-21/R	0.2	< 0.2	< 0.2	< 0.2
Isopropyltoluene,4-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Methyl Butyl Ketone	µg/L	5	EPA 8260	22-Apr-21/R	< 5	< 5	< 5	< 5
Methyl Ethyl Ketone	µg/L	20	EPA 8260	22-Apr-21/R	< 20	< 20	< 20	< 20
Methyl Isobutyl Ketone	µg/L	20	EPA 8260	22-Apr-21/R	< 20	< 20	< 20	< 20
Methyl-t-butyl Ether	µg/L	2	EPA 8260	22-Apr-21/R	< 2	< 2	< 2	< 2
Monochlorobenzene (Chlorobenzene)	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	µg/L	0.4	EPA 8260	22-Apr-21/R	< 0.4	< 0.4	< 0.4	< 0.4
n-Butylbenzene	µg/L	0.4	EPA 8260	22-Apr-21/R	< 0.4	< 0.4	< 0.4	< 0.4
n-Propylbenzene	µg/L	0.1	EPA 8260	22-Apr-21/R	< 0.1	< 0.1	< 0.1	< 0.1
sec-Butylbenzene	µg/L	0.1	EPA 8260	22-Apr-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butylbenzene	µg/L	0.1	EPA 8260	22-Apr-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethane,1,1,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5



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Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

Michelle Dubien
 Lab Manager

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C.O.C.: G103278

REPORT No. B21-10808 (ii)

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada
Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 16-Apr-21
 DATE REPORTED: 26-Apr-21
 SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1036-Briar Hill
 P.O. NUMBER:
 WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.			
					21-W015	21-W016	21-W017	21-W018
Tetrachloroethane, 1,1,2,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethylene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorobenzene, 1,2,3-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorobenzene, 1,2,4-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane, 1,1,1-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane, 1,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethylene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	µg/L	5	EPA 8260	22-Apr-21/R	< 5	< 5	< 5	< 5
Trichloropropane, 1,2,3-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trimethylbenzene, 1,2,4-	µg/L	1	EPA 8260	22-Apr-21/R	< 1	< 1	< 1	< 1
Trimethylbenzene, 1,3,5-	µg/L	0.1	EPA 8260	22-Apr-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Vinyl Chloride	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Xylene, m,p-	µg/L	1.0	EPA 8260	22-Apr-21/R	< 1.0	< 1.0	< 1.0	< 1.0
Xylene, m,p,o-	µg/L	1.1	EPA 8260	22-Apr-21/R	< 1.1	< 1.1	< 1.1	< 1.1
Xylene, o-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5	< 0.5	< 0.5



Michelle Dubien
 Lab Manager

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REPORT No. B21-10808 (ii)

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Caduceon Environmental Laboratories

285 Dalton Ave
Kingston Ontario K7K 6Z1
Tel: 613-544-2001
Fax: 613-544-2770

DATE RECEIVED: 16-Apr-21
DATE REPORTED: 26-Apr-21
SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1036-Briar Hill
P.O. NUMBER:
WATERWORKS NO.

Client I.D.	21-W020	21-W021		
Sample I.D.	B21-10808-5	B21-10808-6		
Date Collected	16-Apr-21	16-Apr-21		

Parameter	Units	R.L.	Reference Method		Date/Site Analyzed			
			EPA 8260	22-Apr-21/R	EPA 8260	22-Apr-21/R		
Acetone	µg/L	30	EPA 8260	22-Apr-21/R	< 30	< 30		
Benzene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5		
Bromobenzene	µg/L	0.4	EPA 8260	22-Apr-21/R	< 0.4	< 0.4		
Bromodichloromethane	µg/L	2	EPA 8260	22-Apr-21/R	< 2	< 2		
Bromoform	µg/L	5	EPA 8260	22-Apr-21/R	< 5	< 5		
Bromomethane	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5		
Carbon Tetrachloride	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2		
Chloroethane	µg/L	3	EPA 8260	22-Apr-21/R	< 3	< 3		
Chloroform	µg/L	1	EPA 8260	22-Apr-21/R	< 1	< 1		
Chloromethane	µg/L	2	EPA 8260	22-Apr-21/R	< 2	< 2		
Chlorotoluene,2-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2		
Chlorotoluene,4-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2		
Dibromo-3-Chloropropane, 1,2-	µg/L	0.6	EPA 8260	22-Apr-21/R	< 0.6	< 0.6		
Dibromochloromethane	µg/L	2	EPA 8260	22-Apr-21/R	< 2	< 2		
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2		
Dibromomethane	µg/L	0.1	EPA 8260	22-Apr-21/R	< 0.1	< 0.1		
Dichlorobenzene,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5		
Dichlorobenzene,1,3-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5		
Dichlorobenzene,1,4-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5		
Dichlorodifluoromethane	µg/L	2	EPA 8260	22-Apr-21/R	< 2	< 2		
Dichloroethane,1,1-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5		
Dichloroethane,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5		
Dichloroethene, cis-1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5		
Dichloroethene, trans-1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5		
Dichloroethylene,1,1-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5		



Michelle Dubien
Lab Manager

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C.O.C.: G103278

REPORT No. B21-10808 (ii)

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada
Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 16-Apr-21
 DATE REPORTED: 26-Apr-21
 SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1036-Briar Hill
 P.O. NUMBER:
 WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.		Sample I.D.		Date Collected	
					21-W020	21-W021	B21-10808-5	B21-10808-6	16-Apr-21	16-Apr-21
Dichloromethane (Methylene Chloride)	µg/L	5	EPA 8260	22-Apr-21/R	< 5	< 5				
Dichloropropane,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5				
Dichloropropane,1,3-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2				
Dichloropropane,2,2-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2				
Dichloropropene 1,3-cis+trans	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5				
Dichloropropene, cis-1,3-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5				
Dichloropropene, trans-1,3-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5				
Dichloropropene,1,1-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2				
Ethylbenzene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5				
Hexachlorobutadiene	µg/L	0.6	EPA 8260	22-Apr-21/R	< 0.6	< 0.6				
Hexane	µg/L	5	EPA 8260	22-Apr-21/R	< 5	< 5				
Isopropylbenzene	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2				
Isopropyltoluene,4-	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2				
Methyl Butyl Ketone	µg/L	5	EPA 8260	22-Apr-21/R	< 5	< 5				
Methyl Ethyl Ketone	µg/L	20	EPA 8260	22-Apr-21/R	< 20	< 20				
Methyl Isobutyl Ketone	µg/L	20	EPA 8260	22-Apr-21/R	< 20	< 20				
Methyl-t-butyl Ether	µg/L	2	EPA 8260	22-Apr-21/R	< 2	< 2				
Monochlorobenzene (Chlorobenzene)	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5				
Naphthalene	µg/L	0.4	EPA 8260	22-Apr-21/R	< 0.4	< 0.4				
n-Butylbenzene	µg/L	0.4	EPA 8260	22-Apr-21/R	< 0.4	< 0.4				
n-Propylbenzene	µg/L	0.1	EPA 8260	22-Apr-21/R	< 0.1	< 0.1				
sec-Butylbenzene	µg/L	0.1	EPA 8260	22-Apr-21/R	< 0.1	< 0.1				
Styrene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5				
tert-Butylbenzene	µg/L	0.1	EPA 8260	22-Apr-21/R	< 0.1	< 0.1				
Tetrachloroethane,1,1,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5				



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Michelle Dubien
 Lab Manager

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C.O.C.: G103278

REPORT No. B21-10808 (ii)

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada
Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 16-Apr-21
 DATE REPORTED: 26-Apr-21
 SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1036-Briar Hill
 P.O. NUMBER:
 WATERWORKS NO.

Client I.D.	21-W020	21-W021		
Sample I.D.	B21-10808-5	B21-10808-6		
Date Collected	16-Apr-21	16-Apr-21		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
			EPA 8260	22-Apr-21/R	< 0.5	< 0.5		
Tetrachloroethane,1,1,2,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5		
Tetrachloroethylene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5		
Toluene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5		
Trichlorobenzene,1,2,3-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5		
Trichlorobenzene,1,2,4-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5		
Trichloroethane,1,1,1-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5		
Trichloroethane,1,1,2-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5		
Trichloroethylene	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5		
Trichlorofluoromethane	µg/L	5	EPA 8260	22-Apr-21/R	< 5	< 5		
Trichloropropane,1,2,3-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5		
Trimethylbenzene,1,2,4-	µg/L	1	EPA 8260	22-Apr-21/R	< 1	< 1		
Trimethylbenzene,1,3,5-	µg/L	0.1	EPA 8260	22-Apr-21/R	< 0.1	< 0.1		
Vinyl Chloride	µg/L	0.2	EPA 8260	22-Apr-21/R	< 0.2	< 0.2		
Xylene, m,p-	µg/L	1.0	EPA 8260	22-Apr-21/R	< 1.0	< 1.0		
Xylene, m,p,o-	µg/L	1.1	EPA 8260	22-Apr-21/R	< 1.1	< 1.1		
Xylene, o-	µg/L	0.5	EPA 8260	22-Apr-21/R	< 0.5	< 0.5		



Michelle Dubien
 Lab Manager

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C.O.C.: G103279

REPORT No. B21-10809

Report To:

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 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 16-Apr-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 26-Apr-21

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

Client I.D.	21-W019		
Sample I.D.	B21-10809-1		
Date Collected	16-Apr-21		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	20-Apr-21/O	175		
pH @25°C	pH Units		SM 4500H	20-Apr-21/O	8.07		
Conductivity @25°C	µmho/cm	1	SM 2510B	20-Apr-21/O	379		
Chloride	mg/L	0.5	SM4110C	20-Apr-21/O	5.9		
Nitrite (N)	mg/L	0.05	SM4110C	20-Apr-21/O	< 0.05		
Nitrate (N)	mg/L	0.05	SM4110C	20-Apr-21/O	1.30		
Sulphate	mg/L	1	SM4110C	20-Apr-21/O	16		
BOD(5 day)	mg/L	3	SM 5210B	16-Apr-21/K	< 3		
Total Suspended Solids	mg/L	3	SM2540D	20-Apr-21/K	8		
o-Phosphate (P)	mg/L	0.002	PE4500-S	19-Apr-21/K	0.019		
Phosphorus-Total	mg/L	0.01	E3199A.1	22-Apr-21/K	0.11		
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	22-Apr-21/K	0.6		
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	19-Apr-21/K	0.05		
Ammonia (N)-unionized	mg/L	0.01	CALC	19-Apr-21/K	< 0.01		
Total Dissolved Solids	mg/L	3	SM 2540D	21-Apr-21/O	195		
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	21-Apr-21/O	9.2		
Phenolics	mg/L	0.001	MOEE 3179	21-Apr-21/K	< 0.001		
COD	mg/L	5	SM5220C	16-Apr-21/K	19		
Hardness (as CaCO3)	mg/L	1	SM 3120	21-Apr-21/O	213		
Aluminum	mg/L	0.01	SM 3120	20-Apr-21/O	0.04		
Arsenic	mg/L	0.0001	EPA 200.8	21-Apr-21/O	0.0003		
Barium	mg/L	0.001	SM 3120	21-Apr-21/O	0.095		
Boron	mg/L	0.005	SM 3120	21-Apr-21/O	0.010		
Cadmium	mg/L	0.000015	EPA 200.8	21-Apr-21/O	0.000022		
Calcium	mg/L	0.02	SM 3120	21-Apr-21/O	50.0		
Chromium	mg/L	0.001	EPA 200.8	21-Apr-21/O	< 0.001		
Cobalt	mg/L	0.0001	EPA 200.8	21-Apr-21/O	0.0002		



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DATE RECEIVED: 16-Apr-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 26-Apr-21

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

Client I.D.	21-W019		
Sample I.D.	B21-10809-1		
Date Collected	16-Apr-21		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Copper	mg/L	0.0001	EPA 200.8	21-Apr-21/O	0.0021		
Iron	mg/L	0.005	SM 3120	21-Apr-21/O	0.432		
Lead	mg/L	0.00002	EPA 200.8	21-Apr-21/O	0.00020		
Magnesium	mg/L	0.02	SM 3120	21-Apr-21/O	18.0		
Manganese	mg/L	0.001	SM 3120	21-Apr-21/O	0.033		
Mercury	mg/L	0.00002	SM 3112 B	21-Apr-21/O	< 0.00002		
Nickel	mg/L	0.0002	EPA 200.8	21-Apr-21/O	0.0006		
Potassium	mg/L	0.1	SM 3120	21-Apr-21/O	2.1		
Silver	mg/L	0.0001	EPA 200.8	21-Apr-21/O	< 0.0001		
Sodium	mg/L	0.2	SM 3120	21-Apr-21/O	23.9		
Strontium	mg/L	0.001	SM 3120	21-Apr-21/O	0.188		
Vanadium	mg/L	0.0001	EPA 200.8	21-Apr-21/O	0.0021		
Zinc	mg/L	0.005	SM 3120	21-Apr-21/O	0.009		
pH	pH Units		Client Supplied Data	16-Apr-21	7.75		
Temperature	°C		Client Supplied Data	16-Apr-21	8.48		



Michelle Dubien
 Lab Manager

R.L. = Reporting Limit

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Site Analyzed=K-Kingston, W-Windsor, O-Ottawa, R-Richmond Hill, B-Barrie

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C.O.C.: G095335

REPORT No. B21-34430 (i)

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 21-Oct-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 06-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W023	21-W024	21-W028	21-W029
Sample I.D.	B21-34430-1	B21-34430-2	B21-34430-3	B21-34430-4
Date Collected	20-Oct-21	20-Oct-21	20-Oct-21	20-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	27-Oct-21/O	574	523	257	199
pH @25°C	pH Units		SM 4500H	27-Oct-21/O	7.73	7.60	7.92	8.08
Conductivity @25°C	µmho/cm	1	SM 2510B	27-Oct-21/O	1200	1150	537	357
Chloride	mg/L	0.5	SM4110C	27-Oct-21/O	70.4	70.1	6.0	1.5
Nitrite (N)	mg/L	0.05	SM4110C	27-Oct-21/O	0.06	0.06	< 0.05	< 0.05
Nitrate (N)	mg/L	0.05	SM4110C	27-Oct-21/O	< 0.05	< 0.05	< 0.05	0.42
Sulphate	mg/L	1	SM4110C	27-Oct-21/O	43	46	45	4
BOD(5 day)	mg/L	3	SM 5210B	22-Oct-21/K	< 3	< 3	< 3	< 3
Total Suspended Solids	mg/L	3	SM2540D	21-Oct-21/K	45100	3300	39	124
Phosphorus-Total	mg/L	0.01	E3199A.1	02-Nov-21/K	21.9	1.47	0.13	0.07
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	02-Nov-21/K	2.0	1.3	0.1	< 0.1
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	25-Oct-21/K	0.19	1.10	0.07	0.01
Total Dissolved Solids	mg/L	3	SM 2540D	28-Oct-21/O	647	619	278	184
Dissolved Organic Carbon	mg/L	0.5	EPA 415.2	30-Nov-21/O	3.7 [†]	4.2 [†]	2.4 [†]	0.9 [†]
Phenolics	mg/L	0.002	MOEE 3179	25-Oct-21/K	< 0.002	< 0.002	< 0.002	< 0.002
COD	mg/L	5	SM5220C	25-Oct-21/K	123	8	< 5	< 5
Hardness (as CaCO3)	mg/L	1	SM 3120	27-Oct-21/O	664	597	310	214
Aluminum	mg/L	0.01	SM 3120	27-Oct-21/O	0.10	0.08	0.05	0.04
Arsenic	mg/L	0.0001	EPA 200.8	01-Nov-21/O	0.0016	0.0008	< 0.0001	< 0.0001
Barium	mg/L	0.001	SM 3120	27-Oct-21/O	0.449	0.470	0.263	0.404
Boron	mg/L	0.005	SM 3120	27-Oct-21/O	0.281	0.251	0.046	0.010
Cadmium	mg/L	0.000015	EPA 200.8	01-Nov-21/O	< 0.000015	< 0.000015	< 0.000015	< 0.000015
Calcium	mg/L	0.02	SM 3120	27-Oct-21/O	150	155	79.8	55.5
Chromium	mg/L	0.001	EPA 200.8	01-Nov-21/O	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	mg/L	0.0001	EPA 200.8	01-Nov-21/O	0.0002	0.0005	< 0.0001	< 0.0001
Copper	mg/L	0.0001	EPA 200.8	01-Nov-21/O	0.0005	0.0002	< 0.0001	0.0006
Iron	mg/L	0.005	SM 3120	27-Oct-21/O	1.75	2.04	0.810	< 0.005



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Site Analyzed=K-Kingston, W-Windsor, O-Ottawa, R-Richmond Hill, B-Barrie

Michelle Dubien
 Lab Manager

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C.O.C.: G095335

REPORT No. B21-34430 (i)

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada
Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 21-Oct-21
 DATE REPORTED: 06-Dec-21
 SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1036-Briar Hill
 P.O. NUMBER:
 WATERWORKS NO.

Client I.D.	21-W023	21-W024	21-W028	21-W029
Sample I.D.	B21-34430-1	B21-34430-2	B21-34430-3	B21-34430-4
Date Collected	20-Oct-21	20-Oct-21	20-Oct-21	20-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Lead	mg/L	0.00002	EPA 200.8	01-Nov-21/O	0.00005	0.00020	< 0.00002	< 0.00002
Magnesium	mg/L	0.02	SM 3120	27-Oct-21/O	70.4	51.0	26.9	18.3
Manganese	mg/L	0.001	SM 3120	27-Oct-21/O	0.050	0.211	0.044	< 0.001
Mercury	mg/L	0.00002	SM 3112 B	25-Oct-21/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Potassium	mg/L	0.1	SM 3120	27-Oct-21/O	4.1	9.4	1.4	1.0
Silver	mg/L	0.0001	EPA 200.8	01-Nov-21/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	27-Oct-21/O	44.4	44.4	7.8	1.1
Strontium	mg/L	0.001	SM 3120	27-Oct-21/O	0.849	0.554	0.569	0.065
Uranium	mg/L	0.00005	EPA 200.8	01-Nov-21/O	0.00008	0.00230	< 0.00005	0.00015
Vanadium	mg/L	0.0001	EPA 200.8	01-Nov-21/O	0.0005	< 0.0001	< 0.0001	< 0.0001
Zinc	mg/L	0.005	SM 3120	27-Oct-21/O	< 0.005	< 0.005	< 0.005	< 0.005

1 Subcontracted to Eurofins



Michelle Dubien
 Lab Manager

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DATE RECEIVED: 21-Oct-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 06-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W030	21-W031	21-W032	21-W033
Sample I.D.	B21-34430-5	B21-34430-6	B21-34430-7	B21-34430-8
Date Collected	20-Oct-21	20-Oct-21	20-Oct-21	20-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	27-Oct-21/O	240	214	200	287
pH @25°C	pH Units		SM 4500H	27-Oct-21/O	8.12	8.03	8.02	8.06
Conductivity @25°C	µmho/cm	1	SM 2510B	27-Oct-21/O	455	450	366	707
Chloride	mg/L	0.5	SM4110C	27-Oct-21/O	2.2	6.9	6.5	42.0
Nitrite (N)	mg/L	0.05	SM4110C	27-Oct-21/O	< 0.05	< 0.05	< 0.05	< 0.05
Nitrate (N)	mg/L	0.05	SM4110C	27-Oct-21/O	< 0.05	4.13	< 0.05	0.16
Sulphate	mg/L	1	SM4110C	27-Oct-21/O	20	14	40	41
BOD(5 day)	mg/L	3	SM 5210B	22-Oct-21/K	< 3	< 3	< 3	< 3
Total Suspended Solids	mg/L	3	SM2540D	21-Oct-21/K	4260	1760	< 3	22
Phosphorus-Total	mg/L	0.01	E3199A.1	02-Nov-21/K	1.57	0.76	0.04	0.14
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	02-Nov-21/K	0.2	0.2	0.1	1.1
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	25-Oct-21/K	0.05	0.05	0.07	0.92
Total Dissolved Solids	mg/L	3	SM 2540D	28-Oct-21/O	235	232	188	367
Dissolved Organic Carbon	mg/L	0.5	EPA 415.2	30-Nov-21/O	0.8 ¹	0.9 ¹	1.0 ¹	4.5 ¹
Phenolics	mg/L	0.002	MOEE 3179	25-Oct-21/K	0.016	< 0.002	< 0.002	< 0.002
COD	mg/L	5	SM5220C	25-Oct-21/K	< 5	< 5	< 5	6
Hardness (as CaCO3)	mg/L	1	SM 3120	27-Oct-21/O	263	259	267	317
Aluminum	mg/L	0.01	SM 3120	27-Oct-21/O	0.03	0.05	0.03	0.05
Arsenic	mg/L	0.0001	EPA 200.8	01-Nov-21/O	0.0002	< 0.0001	0.0005	0.0002
Barium	mg/L	0.001	SM 3120	27-Oct-21/O	0.166	0.299	0.135	0.105
Boron	mg/L	0.005	SM 3120	27-Oct-21/O	0.005	0.020	0.068	0.741
Cadmium	mg/L	0.000015	EPA 200.8	01-Nov-21/O	< 0.000015	< 0.000015	< 0.000015	< 0.000015
Calcium	mg/L	0.02	SM 3120	27-Oct-21/O	59.1	64.7	61.2	85.6
Chromium	mg/L	0.001	EPA 200.8	01-Nov-21/O	< 0.001	0.001	< 0.001	0.001
Cobalt	mg/L	0.0001	EPA 200.8	01-Nov-21/O	0.0005	< 0.0001	< 0.0001	0.0002
Copper	mg/L	0.0001	EPA 200.8	01-Nov-21/O	0.0001	0.0003	0.0006	0.0013
Iron	mg/L	0.005	SM 3120	27-Oct-21/O	0.010	0.011	0.103	0.306



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Michelle Dubien
 Lab Manager

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Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
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 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 21-Oct-21
 DATE REPORTED: 06-Dec-21
 SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1036-Briar Hill
 P.O. NUMBER:
 WATERWORKS NO.

Client I.D.	21-W030	21-W031	21-W032	21-W033
Sample I.D.	B21-34430-5	B21-34430-6	B21-34430-7	B21-34430-8
Date Collected	20-Oct-21	20-Oct-21	20-Oct-21	20-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Lead	mg/L	0.00002	EPA 200.8	01-Nov-21/O	< 0.00002	< 0.00002	< 0.00002	0.00004
Magnesium	mg/L	0.02	SM 3120	27-Oct-21/O	28.1	23.6	27.7	25.1
Manganese	mg/L	0.001	SM 3120	27-Oct-21/O	0.023	0.001	0.016	0.071
Mercury	mg/L	0.00002	SM 3112 B	25-Oct-21/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Potassium	mg/L	0.1	SM 3120	27-Oct-21/O	1.6	1.3	2.1	4.3
Silver	mg/L	0.0001	EPA 200.8	01-Nov-21/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	27-Oct-21/O	4.7	3.8	6.7	38.6
Strontium	mg/L	0.001	SM 3120	27-Oct-21/O	0.139	0.124	0.445	2.28
Uranium	mg/L	0.00005	EPA 200.8	01-Nov-21/O	0.00087	0.00053	0.00040	0.00084
Vanadium	mg/L	0.0001	EPA 200.8	01-Nov-21/O	< 0.0001	0.0005	< 0.0001	< 0.0001
Zinc	mg/L	0.005	SM 3120	27-Oct-21/O	< 0.005	< 0.005	0.006	0.010

1 Subcontracted to Eurofins



Michelle Dubien
 Lab Manager

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DATE RECEIVED: 21-Oct-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 06-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W023	21-W024	21-W028	21-W029
Sample I.D.	B21-34430-1	B21-34430-2	B21-34430-3	B21-34430-4
Date Collected	20-Oct-21	20-Oct-21	20-Oct-21	20-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Acetone	µg/L	30	EPA 8260	28-Oct-21/R	< 30	< 30	< 30	< 30
Benzene	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Bromobenzene	µg/L	0.4	EPA 8260	28-Oct-21/R	< 0.4	< 0.4	< 0.4	< 0.4
Bromodichloromethane	µg/L	2	EPA 8260	28-Oct-21/R	< 2	< 2	< 2	< 2
Bromoform	µg/L	5	EPA 8260	28-Oct-21/R	< 5	< 5	< 5	< 5
Bromomethane	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	µg/L	0.2	EPA 8260	28-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	µg/L	3	EPA 8260	28-Oct-21/R	< 3	< 3	< 3	< 3
Chloroform	µg/L	1	EPA 8260	28-Oct-21/R	< 1	< 1	< 1	< 1
Chloromethane	µg/L	2	EPA 8260	28-Oct-21/R	< 2	< 2	< 2	< 2
Chlorotoluene,2-	µg/L	0.2	EPA 8260	28-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Chlorotoluene,4-	µg/L	0.2	EPA 8260	28-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dibromo-3-Chloropropane, 1,2-	µg/L	0.6	EPA 8260	28-Oct-21/R	< 0.6	< 0.6	< 0.6	< 0.6
Dibromochloromethane	µg/L	2	EPA 8260	28-Oct-21/R	< 2	< 2	< 2	< 2
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.2	EPA 8260	28-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dibromomethane	µg/L	0.1	EPA 8260	28-Oct-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzene,1,2-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,3-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,4-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	µg/L	2	EPA 8260	28-Oct-21/R	< 2	< 2	< 2	< 2
Dichloroethane,1,1-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethane,1,2-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, cis-1,2-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, trans-1,2-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethylene,1,1-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5



Michelle Dubien
 Lab Manager

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REPORT No. B21-34430 (ii)

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 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 21-Oct-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 06-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W023	21-W024	21-W028	21-W029
Sample I.D.	B21-34430-1	B21-34430-2	B21-34430-3	B21-34430-4
Date Collected	20-Oct-21	20-Oct-21	20-Oct-21	20-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Dichloromethane (Methylene Chloride)	µg/L	5	EPA 8260	28-Oct-21/R	< 5	< 5	< 5	< 5
Dichloropropane,1,2-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropane,1,3-	µg/L	0.2	EPA 8260	28-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropane,2,2-	µg/L	0.2	EPA 8260	28-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropene 1,3-cis+trans	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, cis-1,3-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, trans-1,3-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene,1,1-	µg/L	0.2	EPA 8260	28-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Hexachlorobutadiene	µg/L	0.6	EPA 8260	28-Oct-21/R	< 0.6	< 0.6	< 0.6	< 0.6
Hexane	µg/L	5	EPA 8260	28-Oct-21/R	< 5	< 5	< 5	< 5
Isopropylbenzene	µg/L	0.2	EPA 8260	28-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Isopropyltoluene,4-	µg/L	0.2	EPA 8260	28-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Methyl Butyl Ketone	µg/L	5	EPA 8260	28-Oct-21/R	< 5	< 5	< 5	< 5
Methyl Ethyl Ketone	µg/L	20	EPA 8260	28-Oct-21/R	< 20	< 20	< 20	< 20
Methyl Isobutyl Ketone	µg/L	20	EPA 8260	28-Oct-21/R	< 20	< 20	< 20	< 20
Methyl-t-butyl Ether	µg/L	2	EPA 8260	28-Oct-21/R	< 2	< 2	< 2	< 2
Monochlorobenzene (Chlorobenzene)	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	µg/L	0.4	EPA 8260	28-Oct-21/R	< 0.4	< 0.4	< 0.4	< 0.4
n-Butylbenzene	µg/L	0.4	EPA 8260	28-Oct-21/R	< 0.4	< 0.4	< 0.4	< 0.4
n-Propylbenzene	µg/L	0.1	EPA 8260	28-Oct-21/R	< 0.1	< 0.1	< 0.1	< 0.1
sec-Butylbenzene	µg/L	0.1	EPA 8260	28-Oct-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butylbenzene	µg/L	0.1	EPA 8260	28-Oct-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethane,1,1,1,2-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5



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DATE RECEIVED: 21-Oct-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 06-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W023	21-W024	21-W028	21-W029
Sample I.D.	B21-34430-1	B21-34430-2	B21-34430-3	B21-34430-4
Date Collected	20-Oct-21	20-Oct-21	20-Oct-21	20-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Tetrachloroethane,1,1,2,2-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethylene	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorobenzene,1,2,3-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorobenzene,1,2,4-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane,1,1,1-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane,1,1,2-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethylene	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	µg/L	5	EPA 8260	28-Oct-21/R	< 5	< 5	< 5	< 5
Trichloropropane,1,2,3-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trimethylbenzene,1,2,4-	µg/L	1	EPA 8260	28-Oct-21/R	< 1	< 1	< 1	< 1
Trimethylbenzene,1,3,5-	µg/L	0.1	EPA 8260	28-Oct-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Vinyl Chloride	µg/L	0.2	EPA 8260	28-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Xylene, m,p-	µg/L	1.0	EPA 8260	28-Oct-21/R	< 1.0	< 1.0	< 1.0	< 1.0
Xylene, m,p,o-	µg/L	1.1	EPA 8260	28-Oct-21/R	< 1.1	< 1.1	< 1.1	< 1.1
Xylene, o-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5



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Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 21-Oct-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 06-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W030	21-W031	21-W032	21-W033
Sample I.D.	B21-34430-5	B21-34430-6	B21-34430-7	B21-34430-8
Date Collected	20-Oct-21	20-Oct-21	20-Oct-21	20-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Acetone	µg/L	30	EPA 8260	28-Oct-21/R	< 30	< 30	< 30	< 30
Benzene	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Bromobenzene	µg/L	0.4	EPA 8260	28-Oct-21/R	< 0.4	< 0.4	< 0.4	< 0.4
Bromodichloromethane	µg/L	2	EPA 8260	28-Oct-21/R	< 2	< 2	< 2	< 2
Bromoform	µg/L	5	EPA 8260	28-Oct-21/R	< 5	< 5	< 5	< 5
Bromomethane	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	µg/L	0.2	EPA 8260	28-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	µg/L	3	EPA 8260	28-Oct-21/R	< 3	< 3	< 3	< 3
Chloroform	µg/L	1	EPA 8260	28-Oct-21/R	< 1	< 1	< 1	< 1
Chloromethane	µg/L	2	EPA 8260	28-Oct-21/R	< 2	< 2	< 2	< 2
Chlorotoluene,2-	µg/L	0.2	EPA 8260	28-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Chlorotoluene,4-	µg/L	0.2	EPA 8260	28-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dibromo-3-Chloropropane, 1,2-	µg/L	0.6	EPA 8260	28-Oct-21/R	< 0.6	< 0.6	< 0.6	< 0.6
Dibromochloromethane	µg/L	2	EPA 8260	28-Oct-21/R	< 2	< 2	< 2	< 2
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.2	EPA 8260	28-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dibromomethane	µg/L	0.1	EPA 8260	28-Oct-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzene,1,2-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,3-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,4-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	µg/L	2	EPA 8260	28-Oct-21/R	< 2	< 2	< 2	< 2
Dichloroethane,1,1-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethane,1,2-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, cis-1,2-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, trans-1,2-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethylene,1,1-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5



R.L. = Reporting Limit

Test methods may be modified from specified reference method unless indicated by an *

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

Michelle Dubien
 Lab Manager

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C.O.C.: G095335

REPORT No. B21-34430 (ii)

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 21-Oct-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 06-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.			
					21-W030	21-W031	21-W032	21-W033
Dichloromethane (Methylene Chloride)	µg/L	5	EPA 8260	28-Oct-21/R	< 5	< 5	< 5	< 5
Dichloropropane,1,2-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropane,1,3-	µg/L	0.2	EPA 8260	28-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropane,2,2-	µg/L	0.2	EPA 8260	28-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropene 1,3-cis+trans	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, cis-1,3-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, trans-1,3-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene,1,1-	µg/L	0.2	EPA 8260	28-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Hexachlorobutadiene	µg/L	0.6	EPA 8260	28-Oct-21/R	< 0.6	< 0.6	< 0.6	< 0.6
Hexane	µg/L	5	EPA 8260	28-Oct-21/R	< 5	< 5	< 5	< 5
Isopropylbenzene	µg/L	0.2	EPA 8260	28-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Isopropyltoluene,4-	µg/L	0.2	EPA 8260	28-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Methyl Butyl Ketone	µg/L	5	EPA 8260	28-Oct-21/R	< 5	< 5	< 5	< 5
Methyl Ethyl Ketone	µg/L	20	EPA 8260	28-Oct-21/R	< 20	< 20	< 20	< 20
Methyl Isobutyl Ketone	µg/L	20	EPA 8260	28-Oct-21/R	< 20	< 20	< 20	< 20
Methyl-t-butyl Ether	µg/L	2	EPA 8260	28-Oct-21/R	< 2	< 2	< 2	< 2
Monochlorobenzene (Chlorobenzene)	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	µg/L	0.4	EPA 8260	28-Oct-21/R	< 0.4	< 0.4	< 0.4	< 0.4
n-Butylbenzene	µg/L	0.4	EPA 8260	28-Oct-21/R	< 0.4	< 0.4	< 0.4	< 0.4
n-Propylbenzene	µg/L	0.1	EPA 8260	28-Oct-21/R	< 0.1	< 0.1	< 0.1	< 0.1
sec-Butylbenzene	µg/L	0.1	EPA 8260	28-Oct-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butylbenzene	µg/L	0.1	EPA 8260	28-Oct-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethane,1,1,1,2-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5



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Michelle Dubien
 Lab Manager

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C.O.C.: G095335

REPORT No. B21-34430 (ii)

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 308 Wellington Street, 2nd Floor
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Attention: Mallory Wright

Caduceon Environmental Laboratories

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 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 21-Oct-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 06-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W030	21-W031	21-W032	21-W033
Sample I.D.	B21-34430-5	B21-34430-6	B21-34430-7	B21-34430-8
Date Collected	20-Oct-21	20-Oct-21	20-Oct-21	20-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Tetrachloroethane,1,1,2,2-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethylene	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorobenzene,1,2,3-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorobenzene,1,2,4-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane,1,1,1-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane,1,1,2-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethylene	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	µg/L	5	EPA 8260	28-Oct-21/R	< 5	< 5	< 5	< 5
Trichloropropane,1,2,3-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trimethylbenzene,1,2,4-	µg/L	1	EPA 8260	28-Oct-21/R	< 1	< 1	< 1	< 1
Trimethylbenzene,1,3,5-	µg/L	0.1	EPA 8260	28-Oct-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Vinyl Chloride	µg/L	0.2	EPA 8260	28-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Xylene, m,p-	µg/L	1.0	EPA 8260	28-Oct-21/R	< 1.0	< 1.0	< 1.0	< 1.0
Xylene, m,p,o-	µg/L	1.1	EPA 8260	28-Oct-21/R	< 1.1	< 1.1	< 1.1	< 1.1
Xylene, o-	µg/L	0.5	EPA 8260	28-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5



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Michelle Dubien
 Lab Manager

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C.O.C.: G101803

REPORT No. B21-34433

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 20-Oct-21

JOB/PROJECT NO.: Briar Hill-1036

DATE REPORTED: 26-Nov-21

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

Client I.D.	21-W022	21-W026	21-W027
Sample I.D.	B21-34433-1	B21-34433-2	B21-34433-3
Date Collected	20-Oct-21	20-Oct-21	20-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	27-Oct-21/O	254	252	227	
pH @25°C	pH Units		SM 4500H	27-Oct-21/O	8.13	8.18	8.09	
Conductivity @25°C	µmho/cm	1	SM 2510B	27-Oct-21/O	569	578	503	
Chloride	mg/L	0.5	SM4110C	26-Oct-21/O	14.1	14.1	9.2	
Nitrite (N)	mg/L	0.05	SM4110C	26-Oct-21/O	0.05	< 0.05	< 0.05	
Nitrate (N)	mg/L	0.05	SM4110C	26-Oct-21/O	1.72	1.53	1.54	
Sulphate	mg/L	1	SM4110C	26-Oct-21/O	35	43	35	
BOD(5 day)	mg/L	3	SM 5210B	22-Oct-21/K	< 3	< 3	< 3	
Total Suspended Solids	mg/L	3	SM2540D	21-Oct-21/K	3	12	24	
o-Phosphate (P)	mg/L	0.002	PE4500-S	25-Oct-21/K	0.019	0.013	0.016	
Phosphorus-Total	mg/L	0.01	E3199A.1	28-Oct-21/K	0.03	0.03	0.05	
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	28-Oct-21/K	0.7	0.7	0.7	
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	25-Oct-21/K	0.30	0.09	0.04	
Ammonia (N)-unionized	mg/L	0.01	CALC	25-Oct-21/K	0.02	< 0.01	< 0.01	
Total Dissolved Solids	mg/L	3	SM 2540D	28-Oct-21/O	295	300	260	
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	01-Nov-21/O	5.7	6.8	5.2	
Phenolics	mg/L	0.001	MOEE 3179	26-Oct-21/K	< 0.001	< 0.001	< 0.001	
COD	mg/L	5	SM5220C	25-Oct-21/K	13	16	9	
Hardness (as CaCO3)	mg/L	1	SM 3120	26-Oct-21/O	289	301	273	
Aluminum	mg/L	0.01	SM 3120	27-Oct-21/O	0.04	0.05	0.04	
Arsenic	mg/L	0.0001	EPA 200.8	28-Oct-21/O	0.0002	0.0003	0.0003	
Barium	mg/L	0.001	SM 3120	26-Oct-21/O	0.192	0.199	0.177	
Boron	mg/L	0.005	SM 3120	26-Oct-21/O	0.056	0.057	0.032	
Cadmium	mg/L	0.000015	EPA 200.8	28-Oct-21/O	< 0.000015	0.000016	< 0.000015	
Calcium	mg/L	0.02	SM 3120	26-Oct-21/O	72.9	77.0	68.4	
Chromium	mg/L	0.001	EPA 200.8	28-Oct-21/O	< 0.001	< 0.001	< 0.001	
Cobalt	mg/L	0.0001	EPA 200.8	28-Oct-21/O	0.0005	0.0005	0.0003	



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Michelle Dubien
 Lab Manager

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REPORT No. B21-34433

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 Fax: 613-544-2770

DATE RECEIVED: 20-Oct-21

JOB/PROJECT NO.: Briar Hill-1036

DATE REPORTED: 26-Nov-21

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

Client I.D.	21-W022	21-W026	21-W027
Sample I.D.	B21-34433-1	B21-34433-2	B21-34433-3
Date Collected	20-Oct-21	20-Oct-21	20-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Copper	mg/L	0.0001	EPA 200.8	28-Oct-21/O	0.0008	0.0011	0.0009	
Iron	mg/L	0.005	SM 3120	26-Oct-21/O	0.255	0.359	0.383	
Lead	mg/L	0.00002	EPA 200.8	28-Oct-21/O	0.00006	0.00017	0.00018	
Magnesium	mg/L	0.02	SM 3120	26-Oct-21/O	26.0	26.5	24.9	
Manganese	mg/L	0.001	SM 3120	26-Oct-21/O	0.057	0.052	0.087	
Mercury	mg/L	0.00002	SM 3112 B	25-Oct-21/O	< 0.00002	< 0.00002	< 0.00002	
Nickel	mg/L	0.01	SM 3120	26-Oct-21/O	< 0.01	< 0.01	< 0.01	
Potassium	mg/L	0.1	SM 3120	26-Oct-21/O	3.3	3.5	2.5	
Silver	mg/L	0.0001	EPA 200.8	28-Oct-21/O	< 0.0001	< 0.0001	< 0.0001	
Sodium	mg/L	0.2	SM 3120	26-Oct-21/O	9.4	10.1	6.4	
Strontium	mg/L	0.001	SM 3120	26-Oct-21/O	0.289	0.306	0.274	
Vanadium	mg/L	0.005	SM 3120	26-Oct-21/O	< 0.005	< 0.005	< 0.005	
Zinc	mg/L	0.005	SM 3120	26-Oct-21/O	< 0.005	0.023	0.014	



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REPORT No. B21-34633 (i)

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 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

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285 Dalton Ave
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DATE RECEIVED: 21-Oct-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 08-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W036	21-W037	21-W038	21-W039
Sample I.D.	B21-34633-1	B21-34633-2	B21-34633-3	B21-34633-4
Date Collected	21-Oct-21	21-Oct-21	21-Oct-21	21-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	29-Oct-21/O	273	428	430	490
pH @25°C	pH Units		SM 4500H	29-Oct-21/O	8.12	7.99	7.90	7.99
Conductivity @25°C	µmho/cm	1	SM 2510B	29-Oct-21/O	616	1080	1160	1140
Chloride	mg/L	0.5	SM4110C	29-Oct-21/O	15.3	103	124	66.8
Nitrite (N)	mg/L	0.05	SM4110C	29-Oct-21/O	< 0.05	0.09	< 0.05	0.07
Nitrate (N)	mg/L	0.05	SM4110C	29-Oct-21/O	< 0.05	0.81	1.10	< 0.05
Sulphate	mg/L	1	SM4110C	29-Oct-21/O	52	25	20	60
BOD(5 day)	mg/L	3	SM 5210B	23-Oct-21/K	< 3	< 3	< 3	< 3
Total Suspended Solids	mg/L	3	SM2540D	25-Oct-21/K	13100	3780	80600	60
Phosphorus-Total	mg/L	0.01	E3199A.1	08-Nov-21/K	8.77	2.77	3.94	0.12
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	08-Nov-21/K	0.9	0.4	1.1	3.0
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	28-Oct-21/K	0.13	0.03	0.11	2.40
Total Dissolved Solids	mg/L	3	SM 2540D	02-Nov-21/O	320	579	626	610
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	10-Nov-21/O	2.0	2.7	2.5	7.4
Phenolics	mg/L	0.002	MOEE 3179	28-Oct-21/K	< 0.002	< 0.002	< 0.002	< 0.002
COD	mg/L	5	SM5220C	27-Oct-21/K	89	12	12	8
Hardness (as CaCO3)	mg/L	1	SM 3120	27-Oct-21/O	394	523	521	594
Aluminum	mg/L	0.01	SM 3120	27-Oct-21/O	0.06	0.08	0.09	0.08
Arsenic	mg/L	0.0001	EPA 200.8	02-Nov-21/O	0.0001	< 0.0001	< 0.0001	0.0002
Barium	mg/L	0.001	SM 3120	27-Oct-21/O	0.309	0.526	0.921	0.573
Boron	mg/L	0.005	SM 3120	27-Oct-21/O	0.016	0.114	0.079	0.310
Cadmium	mg/L	0.000015	EPA 200.8	02-Nov-21/O	< 0.000015	< 0.000015	< 0.000015	0.000040
Calcium	mg/L	0.02	SM 3120	27-Oct-21/O	91.9	129	148	174
Chromium	mg/L	0.001	EPA 200.8	02-Nov-21/O	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	mg/L	0.0001	EPA 200.8	02-Nov-21/O	0.0007	0.0006	0.0006	0.0112
Copper	mg/L	0.0001	EPA 200.8	02-Nov-21/O	0.0008	0.0022	0.0021	0.0017
Iron	mg/L	0.005	SM 3120	27-Oct-21/O	0.018	0.037	0.137	1.67



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 Fax: 613-544-2770

DATE RECEIVED: 21-Oct-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 08-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W036	21-W037	21-W038	21-W039
Sample I.D.	B21-34633-1	B21-34633-2	B21-34633-3	B21-34633-4
Date Collected	21-Oct-21	21-Oct-21	21-Oct-21	21-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Lead	mg/L	0.00002	EPA 200.8	02-Nov-21/O	< 0.00002	0.00004	0.00014	< 0.00004
Magnesium	mg/L	0.02	SM 3120	27-Oct-21/O	40.0	48.9	36.8	38.7
Manganese	mg/L	0.001	SM 3120	27-Oct-21/O	0.017	0.164	0.011	0.701
Mercury	mg/L	0.00002	SM 3112 B	26-Oct-21/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Potassium	mg/L	0.1	SM 3120	27-Oct-21/O	2.2	2.9	3.1	21.3
Silver	mg/L	0.0001	EPA 200.8	02-Nov-21/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	27-Oct-21/O	8.6	62.8	80.9	56.9
Strontium	mg/L	0.001	SM 3120	27-Oct-21/O	0.164	0.473	0.323	0.541
Uranium	mg/L	0.00005	EPA 200.8	02-Nov-21/O	0.00163	0.00084	0.00050	0.00060
Vanadium	mg/L	0.0001	EPA 200.8	02-Nov-21/O	0.0002	< 0.0001	0.0005	< 0.0001
Zinc	mg/L	0.005	SM 3120	27-Oct-21/O	< 0.005	< 0.005	0.005	0.007



R.L. = Reporting Limit

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Site Analyzed=K-Kingston, W-Windsor, O-Ottawa, R-Richmond Hill, B-Barrie

Michelle Dubien
 Lab Manager

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C.O.C.: G101691

REPORT No. B21-34633 (i)

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 21-Oct-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 08-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W040	21-W041	21-W042	21-W043
Sample I.D.	B21-34633-5	B21-34633-6	B21-34633-7	B21-34633-8
Date Collected	21-Oct-21	21-Oct-21	21-Oct-21	21-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	29-Oct-21/O	381	764	390	319
pH @25°C	pH Units		SM 4500H	29-Oct-21/O	7.99	8.07	7.99	8.01
Conductivity @25°C	µmho/cm	1	SM 2510B	29-Oct-21/O	766	1710	806	1130
Chloride	mg/L	0.5	SM4110C	29-Oct-21/O	26.5	109	22.2	168
Nitrite (N)	mg/L	0.05	SM4110C	29-Oct-21/O	< 0.05	0.09	< 0.05	0.11
Nitrate (N)	mg/L	0.05	SM4110C	29-Oct-21/O	1.04	0.15	2.72	1.64
Sulphate	mg/L	1	SM4110C	29-Oct-21/O	12	74	19	20
BOD(5 day)	mg/L	3	SM 5210B	23-Oct-21/K	< 3	< 3	< 3	< 3
Total Suspended Solids	mg/L	3	SM2540D	25-Oct-21/K	63	34	9550	82
Phosphorus-Total	mg/L	0.01	E3199A.1	08-Nov-21/K	0.11	0.05	0.23	0.15
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	08-Nov-21/K	0.8	14.2	0.7	0.3
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	28-Oct-21/K	0.03	12.0	0.05	0.02
Total Dissolved Solids	mg/L	3	SM 2540D	02-Nov-21/O	401	939	424	609
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	10-Nov-21/O	2.5	16.9	0.2	< 0.2
Phenolics	mg/L	0.002	MOEE 3179	28-Oct-21/K	< 0.002	< 0.002	< 0.002	< 0.002
COD	mg/L	5	SM5220C	27-Oct-21/K	35	54	6	< 5
Hardness (as CaCO3)	mg/L	1	SM 3120	27-Oct-21/O	490	783	351	553
Aluminum	mg/L	0.01	SM 3120	27-Oct-21/O	0.07	0.09	0.02	0.08
Arsenic	mg/L	0.0001	EPA 200.8	02-Nov-21/O	< 0.0001	0.0001	< 0.0001	< 0.0001
Barium	mg/L	0.001	SM 3120	27-Oct-21/O	0.452	0.131	0.713	0.666
Boron	mg/L	0.005	SM 3120	27-Oct-21/O	0.024	1.15	0.021	0.032
Cadmium	mg/L	0.000015	EPA 200.8	02-Nov-21/O	0.000037	< 0.000015	< 0.000015	< 0.000015
Calcium	mg/L	0.02	SM 3120	27-Oct-21/O	142	213	78.7	150
Chromium	mg/L	0.001	EPA 200.8	02-Nov-21/O	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	mg/L	0.0001	EPA 200.8	02-Nov-21/O	0.0007	0.0008	0.0004	0.0003
Copper	mg/L	0.0001	EPA 200.8	02-Nov-21/O	0.0020	0.0007	0.0007	0.0004
Iron	mg/L	0.005	SM 3120	27-Oct-21/O	0.006	7.87	< 0.005	0.008



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Michelle Dubien
 Lab Manager

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 308 Wellington Street, 2nd Floor
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Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 21-Oct-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 08-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W040	21-W041	21-W042	21-W043
Sample I.D.	B21-34633-5	B21-34633-6	B21-34633-7	B21-34633-8
Date Collected	21-Oct-21	21-Oct-21	21-Oct-21	21-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Lead	mg/L	0.00002	EPA 200.8	02-Nov-21/O	0.00006	< 0.00004	< 0.00002	< 0.00004
Magnesium	mg/L	0.02	SM 3120	27-Oct-21/O	32.8	60.9	37.5	43.2
Manganese	mg/L	0.001	SM 3120	27-Oct-21/O	0.002	0.065	< 0.001	0.001
Mercury	mg/L	0.00002	SM 3112 B	26-Oct-21/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Potassium	mg/L	0.1	SM 3120	27-Oct-21/O	3.3	37.3	1.4	3.8
Silver	mg/L	0.0001	EPA 200.8	02-Nov-21/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	27-Oct-21/O	12.5	98.7	15.9	67.2
Strontium	mg/L	0.001	SM 3120	27-Oct-21/O	0.232	0.838	0.172	0.228
Uranium	mg/L	0.00005	EPA 200.8	02-Nov-21/O	0.00037	0.00039	0.00026	0.00066
Vanadium	mg/L	0.0001	EPA 200.8	02-Nov-21/O	< 0.0001	0.0005	0.0001	< 0.0001
Zinc	mg/L	0.005	SM 3120	27-Oct-21/O	0.031	0.008	< 0.005	0.005



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 SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1036-Briar Hill
 P.O. NUMBER:
 WATERWORKS NO.

Client I.D.	21-W044	21-W045		
Sample I.D.	B21-34633-9	B21-34633-10		
Date Collected	21-Oct-21	21-Oct-21		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	29-Oct-21/O	238	275		
pH @25°C	pH Units		SM 4500H	29-Oct-21/O	8.29	8.45		
Conductivity @25°C	µmho/cm	1	SM 2510B	29-Oct-21/O	621	942		
Chloride	mg/L	0.5	SM4110C	29-Oct-21/O	44.2	75.8		
Nitrite (N)	mg/L	0.05	SM4110C	29-Oct-21/O	< 0.05	0.08		
Nitrate (N)	mg/L	0.05	SM4110C	29-Oct-21/O	4.38	7.60		
Sulphate	mg/L	1	SM4110C	29-Oct-21/O	19	88		
BOD(5 day)	mg/L	3	SM 5210B	23-Oct-21/K	< 3	< 3		
Total Suspended Solids	mg/L	3	SM2540D	25-Oct-21/K	< 3	138		
Phosphorus-Total	mg/L	0.01	E3199A.1	08-Nov-21/K	0.02	0.35		
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	08-Nov-21/K	< 0.1	0.4		
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	28-Oct-21/K	0.01	0.02		
Total Dissolved Solids	mg/L	3	SM 2540D	02-Nov-21/O	322	501		
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	10-Nov-21/O	1.5	2.8		
Phenolics	mg/L	0.002	MOEE 3179	28-Oct-21/K	< 0.002	< 0.002		
COD	mg/L	5	SM5220C	27-Oct-21/K	< 5	< 5		
Hardness (as CaCO3)	mg/L	1	SM 3120	27-Oct-21/O	327	294		
Aluminum	mg/L	0.01	SM 3120	27-Oct-21/O	0.05	0.08		
Arsenic	mg/L	0.0001	EPA 200.8	02-Nov-21/O	< 0.0001	0.0005		
Barium	mg/L	0.001	SM 3120	27-Oct-21/O	0.166	0.030		
Boron	mg/L	0.005	SM 3120	27-Oct-21/O	0.006	0.016		
Cadmium	mg/L	0.00015	EPA 200.8	02-Nov-21/O	< 0.00015	0.000055		
Calcium	mg/L	0.02	SM 3120	27-Oct-21/O	81.2	77.0		
Chromium	mg/L	0.001	EPA 200.8	02-Nov-21/O	< 0.001	< 0.001		
Cobalt	mg/L	0.0001	EPA 200.8	02-Nov-21/O	0.0002	0.0003		
Copper	mg/L	0.0001	EPA 200.8	02-Nov-21/O	0.0003	0.0016		



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JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 08-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W044	21-W045		
Sample I.D.	B21-34633-9	B21-34633-10		
Date Collected	21-Oct-21	21-Oct-21		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Iron	mg/L	0.005	SM 3120	27-Oct-21/O	0.034	0.138		
Lead	mg/L	0.00002	EPA 200.8	02-Nov-21/O	< 0.00002	0.00020		
Magnesium	mg/L	0.02	SM 3120	27-Oct-21/O	30.2	24.6		
Manganese	mg/L	0.001	SM 3120	27-Oct-21/O	0.009	0.005		
Mercury	mg/L	0.00002	SM 3112 B	26-Oct-21/O	< 0.00002	< 0.00002		
Potassium	mg/L	0.1	SM 3120	27-Oct-21/O	1.5	3.3		
Silver	mg/L	0.0001	EPA 200.8	02-Nov-21/O	< 0.0001	< 0.0001		
Sodium	mg/L	0.2	SM 3120	27-Oct-21/O	16.3	108		
Strontium	mg/L	0.001	SM 3120	27-Oct-21/O	0.178	0.216		
Uranium	mg/L	0.00005	EPA 200.8	02-Nov-21/O	0.00113	0.00706		
Vanadium	mg/L	0.0001	EPA 200.8	02-Nov-21/O	0.0005	0.0004		
Zinc	mg/L	0.005	SM 3120	27-Oct-21/O	0.007	0.017		



Michelle Dubien
 Lab Manager

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 Kingston Ontario K7K 6Z1
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DATE RECEIVED: 21-Oct-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 08-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W036	21-W037	21-W038	21-W039
Sample I.D.	B21-34633-1	B21-34633-2	B21-34633-3	B21-34633-4
Date Collected	21-Oct-21	21-Oct-21	21-Oct-21	21-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Acetone	µg/L	30	EPA 8260	30-Oct-21/R	< 30	< 30	< 30	< 30
Benzene	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Bromobenzene	µg/L	0.4	EPA 8260	30-Oct-21/R	< 0.4	< 0.4	< 0.4	< 0.4
Bromodichloromethane	µg/L	2	EPA 8260	30-Oct-21/R	< 2	< 2	< 2	< 2
Bromoform	µg/L	5	EPA 8260	30-Oct-21/R	< 5	< 5	< 5	< 5
Bromomethane	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	µg/L	3	EPA 8260	30-Oct-21/R	< 3	< 3	< 3	< 3
Chloroform	µg/L	1	EPA 8260	30-Oct-21/R	< 1	< 1	< 1	< 1
Chloromethane	µg/L	2	EPA 8260	30-Oct-21/R	< 2	< 2	< 2	< 2
Chlorotoluene,2-	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Chlorotoluene,4-	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dibromo-3-Chloropropane, 1,2-	µg/L	0.6	EPA 8260	30-Oct-21/R	< 0.6	< 0.6	< 0.6	< 0.6
Dibromochloromethane	µg/L	2	EPA 8260	30-Oct-21/R	< 2	< 2	< 2	< 2
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dibromomethane	µg/L	0.1	EPA 8260	30-Oct-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzene,1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,3-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,4-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	µg/L	2	EPA 8260	30-Oct-21/R	< 2	< 2	< 2	< 2
Dichloroethane,1,1-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethane,1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, cis-1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, trans-1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethylene,1,1-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5



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DATE RECEIVED: 21-Oct-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 08-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W036	21-W037	21-W038	21-W039
Sample I.D.	B21-34633-1	B21-34633-2	B21-34633-3	B21-34633-4
Date Collected	21-Oct-21	21-Oct-21	21-Oct-21	21-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Dichloromethane (Methylene Chloride)	µg/L	5	EPA 8260	30-Oct-21/R	< 5	< 5	< 5	< 5
Dichloropropane,1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropane,1,3-	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropane,2,2-	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropene 1,3-cis+trans	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, cis-1,3-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, trans-1,3-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene,1,1-	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Hexachlorobutadiene	µg/L	0.6	EPA 8260	30-Oct-21/R	< 0.6	< 0.6	< 0.6	< 0.6
Hexane	µg/L	5	EPA 8260	30-Oct-21/R	< 5	< 5	< 5	< 5
Isopropylbenzene	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Isopropyltoluene,4-	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Methyl Butyl Ketone	µg/L	5	EPA 8260	30-Oct-21/R	< 5	< 5	< 5	< 5
Methyl Ethyl Ketone	µg/L	20	EPA 8260	30-Oct-21/R	< 20	< 20	< 20	< 20
Methyl Isobutyl Ketone	µg/L	20	EPA 8260	30-Oct-21/R	< 20	< 20	< 20	< 20
Methyl-t-butyl Ether	µg/L	2	EPA 8260	30-Oct-21/R	< 2	< 2	< 2	< 2
Monochlorobenzene (Chlorobenzene)	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	µg/L	0.4	EPA 8260	30-Oct-21/R	< 0.4	< 0.4	< 0.4	< 0.4
n-Butylbenzene	µg/L	0.4	EPA 8260	30-Oct-21/R	< 0.4	< 0.4	< 0.4	< 0.4
n-Propylbenzene	µg/L	0.1	EPA 8260	30-Oct-21/R	< 0.1	< 0.1	< 0.1	< 0.1
sec-Butylbenzene	µg/L	0.1	EPA 8260	30-Oct-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butylbenzene	µg/L	0.1	EPA 8260	30-Oct-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethane,1,1,1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5



R.L. = Reporting Limit

Test methods may be modified from specified reference method unless indicated by an *

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

Michelle Dubien
 Lab Manager

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C.O.C.: G101691

REPORT No. B21-34633 (ii)

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 21-Oct-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 08-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W036	21-W037	21-W038	21-W039
Sample I.D.	B21-34633-1	B21-34633-2	B21-34633-3	B21-34633-4
Date Collected	21-Oct-21	21-Oct-21	21-Oct-21	21-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Tetrachloroethane,1,1,2,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethylene	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorobenzene,1,2,3-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorobenzene,1,2,4-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane,1,1,1-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane,1,1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethylene	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	µg/L	5	EPA 8260	30-Oct-21/R	< 5	< 5	< 5	< 5
Trichloropropane,1,2,3-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trimethylbenzene,1,2,4-	µg/L	1	EPA 8260	30-Oct-21/R	< 1	< 1	< 1	< 1
Trimethylbenzene,1,3,5-	µg/L	0.1	EPA 8260	30-Oct-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Vinyl Chloride	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Xylene, m,p-	µg/L	1.0	EPA 8260	30-Oct-21/R	< 1.0	< 1.0	< 1.0	< 1.0
Xylene, m,p,o-	µg/L	1.1	EPA 8260	30-Oct-21/R	< 1.1	< 1.1	< 1.1	< 1.1
Xylene, o-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5



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DATE RECEIVED: 21-Oct-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 08-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W040	21-W041	21-W042	21-W043
Sample I.D.	B21-34633-5	B21-34633-6	B21-34633-7	B21-34633-8
Date Collected	21-Oct-21	21-Oct-21	21-Oct-21	21-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Acetone	µg/L	30	EPA 8260	30-Oct-21/R	< 30	< 30	< 30	< 30
Benzene	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Bromobenzene	µg/L	0.4	EPA 8260	30-Oct-21/R	< 0.4	< 0.4	< 0.4	< 0.4
Bromodichloromethane	µg/L	2	EPA 8260	30-Oct-21/R	< 2	< 2	< 2	< 2
Bromoform	µg/L	5	EPA 8260	30-Oct-21/R	< 5	< 5	< 5	< 5
Bromomethane	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	µg/L	3	EPA 8260	30-Oct-21/R	< 3	< 3	< 3	< 3
Chloroform	µg/L	1	EPA 8260	30-Oct-21/R	< 1	< 1	< 1	< 1
Chloromethane	µg/L	2	EPA 8260	30-Oct-21/R	< 2	< 2	< 2	< 2
Chlorotoluene,2-	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Chlorotoluene,4-	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dibromo-3-Chloropropane, 1,2-	µg/L	0.6	EPA 8260	30-Oct-21/R	< 0.6	< 0.6	< 0.6	< 0.6
Dibromochloromethane	µg/L	2	EPA 8260	30-Oct-21/R	< 2	< 2	< 2	< 2
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dibromomethane	µg/L	0.1	EPA 8260	30-Oct-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzene,1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,3-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,4-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	µg/L	2	EPA 8260	30-Oct-21/R	< 2	< 2	< 2	< 2
Dichloroethane,1,1-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	0.8	< 0.5	< 0.5
Dichloroethane,1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, cis-1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, trans-1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethylene,1,1-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5



R.L. = Reporting Limit

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Michelle Dubien
 Lab Manager

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REPORT No. B21-34633 (ii)

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 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 21-Oct-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 08-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W040	21-W041	21-W042	21-W043
Sample I.D.	B21-34633-5	B21-34633-6	B21-34633-7	B21-34633-8
Date Collected	21-Oct-21	21-Oct-21	21-Oct-21	21-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Dichloromethane (Methylene Chloride)	µg/L	5	EPA 8260	30-Oct-21/R	< 5	< 5	< 5	< 5
Dichloropropane,1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropane,1,3-	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropane,2,2-	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropene 1,3-cis+trans	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, cis-1,3-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, trans-1,3-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene,1,1-	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Hexachlorobutadiene	µg/L	0.6	EPA 8260	30-Oct-21/R	< 0.6	< 0.6	< 0.6	< 0.6
Hexane	µg/L	5	EPA 8260	30-Oct-21/R	< 5	< 5	< 5	< 5
Isopropylbenzene	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Isopropyltoluene,4-	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Methyl Butyl Ketone	µg/L	5	EPA 8260	30-Oct-21/R	< 5	< 5	< 5	< 5
Methyl Ethyl Ketone	µg/L	20	EPA 8260	30-Oct-21/R	< 20	< 20	< 20	< 20
Methyl Isobutyl Ketone	µg/L	20	EPA 8260	30-Oct-21/R	< 20	< 20	< 20	< 20
Methyl-t-butyl Ether	µg/L	2	EPA 8260	30-Oct-21/R	< 2	< 2	< 2	< 2
Monochlorobenzene (Chlorobenzene)	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	µg/L	0.4	EPA 8260	30-Oct-21/R	< 0.4	< 0.4	< 0.4	< 0.4
n-Butylbenzene	µg/L	0.4	EPA 8260	30-Oct-21/R	< 0.4	< 0.4	< 0.4	< 0.4
n-Propylbenzene	µg/L	0.1	EPA 8260	30-Oct-21/R	< 0.1	< 0.1	< 0.1	< 0.1
sec-Butylbenzene	µg/L	0.1	EPA 8260	30-Oct-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butylbenzene	µg/L	0.1	EPA 8260	30-Oct-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethane,1,1,1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5



R.L. = Reporting Limit

Test methods may be modified from specified reference method unless indicated by an *

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

Michelle Dubien
 Lab Manager

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REPORT No. B21-34633 (ii)

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 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 21-Oct-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 08-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W040	21-W041	21-W042	21-W043
Sample I.D.	B21-34633-5	B21-34633-6	B21-34633-7	B21-34633-8
Date Collected	21-Oct-21	21-Oct-21	21-Oct-21	21-Oct-21

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Tetrachloroethane,1,1,2,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethylene	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorobenzene,1,2,3-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorobenzene,1,2,4-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane,1,1,1-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane,1,1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethylene	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	µg/L	5	EPA 8260	30-Oct-21/R	< 5	< 5	< 5	< 5
Trichloropropane,1,2,3-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5
Trimethylbenzene,1,2,4-	µg/L	1	EPA 8260	30-Oct-21/R	< 1	< 1	< 1	< 1
Trimethylbenzene,1,3,5-	µg/L	0.1	EPA 8260	30-Oct-21/R	< 0.1	< 0.1	< 0.1	< 0.1
Vinyl Chloride	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2	< 0.2	< 0.2
Xylene, m,p-	µg/L	1.0	EPA 8260	30-Oct-21/R	< 1.0	< 1.0	< 1.0	< 1.0
Xylene, m,p,o-	µg/L	1.1	EPA 8260	30-Oct-21/R	< 1.1	< 1.1	< 1.1	< 1.1
Xylene, o-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5	< 0.5	< 0.5



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P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W044	21-W045		
Sample I.D.	B21-34633-9	B21-34633-10		
Date Collected	21-Oct-21	21-Oct-21		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Acetone	µg/L	30	EPA 8260	30-Oct-21/R	< 30	< 30		
Benzene	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		
Bromobenzene	µg/L	0.4	EPA 8260	30-Oct-21/R	< 0.4	< 0.4		
Bromodichloromethane	µg/L	2	EPA 8260	30-Oct-21/R	< 2	< 2		
Bromoform	µg/L	5	EPA 8260	30-Oct-21/R	< 5	< 5		
Bromomethane	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		
Carbon Tetrachloride	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2		
Chloroethane	µg/L	3	EPA 8260	30-Oct-21/R	< 3	< 3		
Chloroform	µg/L	1	EPA 8260	30-Oct-21/R	< 1	< 1		
Chloromethane	µg/L	2	EPA 8260	30-Oct-21/R	< 2	< 2		
Chlorotoluene,2-	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2		
Chlorotoluene,4-	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2		
Dibromo-3-Chloropropane, 1,2-	µg/L	0.6	EPA 8260	30-Oct-21/R	< 0.6	< 0.6		
Dibromochloromethane	µg/L	2	EPA 8260	30-Oct-21/R	< 2	< 2		
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2		
Dibromomethane	µg/L	0.1	EPA 8260	30-Oct-21/R	< 0.1	< 0.1		
Dichlorobenzene,1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		
Dichlorobenzene,1,3-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		
Dichlorobenzene,1,4-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		
Dichlorodifluoromethane	µg/L	2	EPA 8260	30-Oct-21/R	< 2	< 2		
Dichloroethane,1,1-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		
Dichloroethane,1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		
Dichloroethene, cis-1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		
Dichloroethene, trans-1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		
Dichloroethylene,1,1-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		



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P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.		Sample I.D.		Date Collected	
					21-W044	21-W045	B21-34633-9	B21-34633-10	21-Oct-21	21-Oct-21
Dichloromethane (Methylene Chloride)	µg/L	5	EPA 8260	30-Oct-21/R	< 5	< 5				
Dichloropropane, 1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5				
Dichloropropane, 1,3-	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2				
Dichloropropane, 2,2-	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2				
Dichloropropene 1,3-cis+trans	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5				
Dichloropropene, cis-1,3-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5				
Dichloropropene, trans-1,3-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5				
Dichloropropene, 1,1-	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2				
Ethylbenzene	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5				
Hexachlorobutadiene	µg/L	0.6	EPA 8260	30-Oct-21/R	< 0.6	< 0.6				
Hexane	µg/L	5	EPA 8260	30-Oct-21/R	< 5	< 5				
Isopropylbenzene	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2				
Isopropyltoluene, 4-	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2				
Methyl Butyl Ketone	µg/L	5	EPA 8260	30-Oct-21/R	< 5	< 5				
Methyl Ethyl Ketone	µg/L	20	EPA 8260	30-Oct-21/R	< 20	< 20				
Methyl Isobutyl Ketone	µg/L	20	EPA 8260	30-Oct-21/R	< 20	< 20				
Methyl-t-butyl Ether	µg/L	2	EPA 8260	30-Oct-21/R	< 2	< 2				
Monochlorobenzene (Chlorobenzene)	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5				
Naphthalene	µg/L	0.4	EPA 8260	30-Oct-21/R	< 0.4	< 0.4				
n-Butylbenzene	µg/L	0.4	EPA 8260	30-Oct-21/R	< 0.4	< 0.4				
n-Propylbenzene	µg/L	0.1	EPA 8260	30-Oct-21/R	< 0.1	< 0.1				
sec-Butylbenzene	µg/L	0.1	EPA 8260	30-Oct-21/R	< 0.1	< 0.1				
Styrene	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5				
tert-Butylbenzene	µg/L	0.1	EPA 8260	30-Oct-21/R	< 0.1	< 0.1				



R.L. = Reporting Limit

Test methods may be modified from specified reference method unless indicated by an *

Site Analyzed=K-Kingston, W-Windsor, O-Ottawa, R-Richmond Hill, B-Barrie

Michelle Dubien
 Lab Manager

The analytical results reported herein refer to the samples as received. Reproduction of this analytical report in full or in part is prohibited without prior consent from

C.O.C.: G101691

REPORT No. B21-34633 (ii)

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 21-Oct-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 08-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W044	21-W045		
Sample I.D.	B21-34633-9	B21-34633-10		
Date Collected	21-Oct-21	21-Oct-21		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Tetrachloroethane,1,1,1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		
Tetrachloroethane,1,1,2,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		
Tetrachloroethylene	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		
Toluene	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		
Trichlorobenzene,1,2,3-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		
Trichlorobenzene,1,2,4-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		
Trichloroethane,1,1,1-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		
Trichloroethane,1,1,2-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		
Trichloroethylene	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		
Trichlorofluoromethane	µg/L	5	EPA 8260	30-Oct-21/R	< 5	< 5		
Trichloropropane,1,2,3-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		
Trimethylbenzene,1,2,4-	µg/L	1	EPA 8260	30-Oct-21/R	< 1	< 1		
Trimethylbenzene,1,3,5-	µg/L	0.1	EPA 8260	30-Oct-21/R	< 0.1	< 0.1		
Vinyl Chloride	µg/L	0.2	EPA 8260	30-Oct-21/R	< 0.2	< 0.2		
Xylene, m,p-	µg/L	1.0	EPA 8260	30-Oct-21/R	< 1.0	< 1.0		
Xylene, m,p,o-	µg/L	1.1	EPA 8260	30-Oct-21/R	< 1.1	< 1.1		
Xylene, o-	µg/L	0.5	EPA 8260	30-Oct-21/R	< 0.5	< 0.5		



Michelle Dubien
 Lab Manager

R.L. = Reporting Limit

Test methods may be modified from specified reference method unless indicated by an *

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

The analytical results reported herein refer to the samples as received. Reproduction of this analytical report in full or in part is prohibited without prior consent from



MALROZ ENGINEERING INC. (Kingston)
ATTN: Bailey Labbett
308 Wellington Street, 2nd floor
Kingston ON K7K 7A8

Date Received: 22-OCT-21
Report Date: 02-NOV-21 12:18 (MT)
Version: FINAL

Client Phone: 613-548-3446

Certificate of Analysis

Lab Work Order #: L2654289
Project P.O. #: NOT SUBMITTED
Job Reference: 1036
C of C Numbers: 20-894255
Legal Site Desc:



Costas Farassoglou
Account Manager

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ADDRESS: 190 Colonnade Road, Unit 7, Ottawa, ON K2E 7J5 Canada | Phone: +1 613 225 8279 | Fax: +1 613 225 2801
ALS CANADA LTD Part of the ALS Group An ALS Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2654289-1 21-W025 Sampled By: CLIENT on 21-OCT-21 @ 10:18 Matrix: WATER							
Perfluorinated Compounds							
8:2 Fluorotelomer sulfonic acid(8:2 FTS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
6:2 Fluorotelomer sulfonic acid(6:2 FTS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
4:2 Fluorotelomer sulfonic acid(4:2 FTS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
10:2 Fluorotelomer sulfonic acid(10:2 F)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorobutane sulfonic acid (PFBS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorohexane sulfonic acid (PFHxS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorotridecanoic acid (PFTrDA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorooctane sulfonic acid (PFOS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluoropentane sulfonic acid (PFPeS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
N-Et PFO sulfonamide (EtFOSA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
N-Et PFO sulfonamidoethanol (EtFOSE)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
N-Et PFO sulfonamidoacetic acid(EtFOSAA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
N-Me PFO sulfonamide (MeFOSA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
N-Me PFO sulfonamidoacetic acid(MeFOSAA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
N-Me PFO sulfonamidoethanol (MeFOSE)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluoroheptane sulfonic acid (PFHpS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorooctane sulfonamide (FOSA)	<0.0020	DLB	0.0020	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorodecane sulfonic acid (PFDS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorobutanoic acid (PFBA)	<0.050		0.050	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorodecanoic acid (PFDA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorododecanoic acid (PFDoDA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluoroheptanoic acid (PFHpA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorohexanoic acid (PFHxA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorononanoic acid (PFNA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorooctanoic acid (PFOA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluoropentanoic acid (PFPeA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorotetradecanoic acid (PFTeDA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluoroundecanoic acid (PFUnDA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
L2654289-3 21-W032 Sampled By: CLIENT on 21-OCT-21 @ 14:00 Matrix: WATER							
Perfluorinated Compounds							
8:2 Fluorotelomer sulfonic acid(8:2 FTS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
6:2 Fluorotelomer sulfonic acid(6:2 FTS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
4:2 Fluorotelomer sulfonic acid(4:2 FTS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
10:2 Fluorotelomer sulfonic acid(10:2 F)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
Perfluorobutane sulfonic acid (PFBS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
Perfluorohexane sulfonic acid (PFHxS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
Perfluorotridecanoic acid (PFTrDA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
Perfluorooctane sulfonic acid (PFOS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
Perfluoropentane sulfonic acid (PFPeS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
N-Et PFO sulfonamide (EtFOSA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2654289-3 21-W032 Sampled By: CLIENT on 21-OCT-21 @ 14:00 Matrix: WATER							
Perfluorinated Compounds							
N-Et PFO sulfonamidoethanol (EtFOSE)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
N-Et PFO sulfonamidoacetic acid(EtFOSAA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
N-Me PFO sulfonamide (MeFOSA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
N-Me PFO sulfonamidoacetic acid(MeFOSAA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
N-Me PFO sulfonamidoethanol (MeFOSE)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
Perfluoroheptane sulfonic acid (PFHpS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
Perfluorooctane sulfonamide (FOSA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
Perfluorodecane sulfonic acid (PFDS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
Perfluorobutanoic acid (PFBA)	<0.050		0.050	ug/L	29-OCT-21	01-NOV-21	R5634324
Perfluorodecanoic acid (PFDA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
Perfluorododecanoic acid (PFDoDA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
Perfluoroheptanoic acid (PFHpA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
Perfluorohexanoic acid (PFHxA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
Perfluorononanoic acid (PFNA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
Perfluorooctanoic acid (PFOA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
Perfluoropentanoic acid (PFPeA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
Perfluorotetradecanoic acid (PFTeDA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
Perfluoroundecanoic acid (PFUnDA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634324
L2654289-4 21-W034 Sampled By: CLIENT on 21-OCT-21 @ 16:15 Matrix: WATER							
Perfluorinated Compounds							
8:2 Fluorotelomer sulfonic acid(8:2 FTS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
6:2 Fluorotelomer sulfonic acid(6:2 FTS)	0.081	DLHC	0.010	ug/L	29-OCT-21	01-NOV-21	R5634224
4:2 Fluorotelomer sulfonic acid(4:2 FTS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
10:2 Fluorotelomer sulfonic acid(10:2 F)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorobutane sulfonic acid (PFBS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorohexane sulfonic acid (PFHxS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorotridecanoic acid (PFTrDA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorooctane sulfonic acid (PFOS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluoropentane sulfonic acid (PFPeS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
N-Et PFO sulfonamide (EtFOSA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
N-Et PFO sulfonamidoethanol (EtFOSE)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
N-Et PFO sulfonamidoacetic acid(EtFOSAA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
N-Me PFO sulfonamide (MeFOSA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
N-Me PFO sulfonamidoacetic acid(MeFOSAA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
N-Me PFO sulfonamidoethanol (MeFOSE)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluoroheptane sulfonic acid (PFHpS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorooctane sulfonamide (FOSA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorodecane sulfonic acid (PFDS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorobutanoic acid (PFBA)	<0.050		0.050	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorodecanoic acid (PFDA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2654289-4 21-W034 Sampled By: CLIENT on 21-OCT-21 @ 16:15 Matrix: WATER							
Perfluorinated Compounds							
Perfluorododecanoic acid (PFDoDA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluoroheptanoic acid (PFHpA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorohexanoic acid (PFHxA)	0.0023		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorononanoic acid (PFNA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorooctanoic acid (PFOA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluoropentanoic acid (PFPeA)	0.0030		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorotetradecanoic acid (PFTeDA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluoroundecanoic acid (PFUnDA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
L2654289-5 21-W035 Sampled By: CLIENT on 21-OCT-21 @ 16:15 Matrix: WATER							
Perfluorinated Compounds							
8:2 Fluorotelomer sulfonic acid(8:2 FTS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
6:2 Fluorotelomer sulfonic acid(6:2 FTS)	0.080	DLHC	0.010	ug/L	29-OCT-21	01-NOV-21	R5634224
4:2 Fluorotelomer sulfonic acid(4:2 FTS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
10:2 Fluorotelomer sulfonic acid(10:2 F)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorobutane sulfonic acid (PFBS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorohexane sulfonic acid (PFHxS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorotridecanoic acid (PFTrDA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorooctane sulfonic acid (PFOS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluoropentane sulfonic acid (PFPeS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
N-Et PFO sulfonamide (EtFOSA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
N-Et PFO sulfonamidoethanol (EtFOSE)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
N-Et PFO sulfonamidoacetic acid(EtFOSAA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
N-Me PFO sulfonamide (MeFOSA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
N-Me PFO sulfonamidoacetic acid(MeFOSAA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
N-Me PFO sulfonamidoethanol (MeFOSE)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluoroheptane sulfonic acid (PFHpS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorooctane sulfonamide (FOSA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorodecane sulfonic acid (PFDS)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorobutanoic acid (PFBA)	<0.050		0.050	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorodecanoic acid (PFDA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorododecanoic acid (PFDoDA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluoroheptanoic acid (PFHpA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorohexanoic acid (PFHxA)	0.0022		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorononanoic acid (PFNA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorooctanoic acid (PFOA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluoropentanoic acid (PFPeA)	0.0027		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluorotetradecanoic acid (PFTeDA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224
Perfluoroundecanoic acid (PFUnDA)	<0.0010		0.0010	ug/L	29-OCT-21	01-NOV-21	R5634224

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Matrix Spike	10:2 Fluorotelomer sulfonic acid(10:2	K	L2654289-1, -4, -5
Laboratory Control Sample	N-Et PFO sulfonamide (EtFOSA)	LCS-H	L2654289-3
Laboratory Control Sample	Perfluorooctane sulfonamide (FOSA)	LCS-H	L2654289-3
Laboratory Control Sample	N-Me PFO sulfonamidoethanol (MeFC	LCS-ND	L2654289-1, -4, -5
Method Blank	6:2 Fluorotelomer sulfonic acid(6:2 FT	MB-LOR	L2654289-3
Method Blank	Perfluorooctane sulfonamide (FOSA)	MB-LOR	L2654289-1, -4, -5

Sample Parameter Qualifier key listed:

Qualifier	Description
DLB	Detection Limit Raised. Analyte detected at comparable level in Method Blank.
DLHC	Detection Limit Raised: Dilution required due to high concentration of test analyte(s).
K	Matrix Spike recovery outside ALS DQO due to sample matrix effects.
LCS-H	Lab Control Sample recovery was above ALS DQO. Non-detected sample results are considered reliable. Other results, if reported, have been qualified.
LCS-ND	Lab Control Sample recovery was slightly outside ALS DQO. Reported non-detect results for associated samples were unaffected.
MB-LOR	Method Blank exceeds ALS DQO. Limits of Reporting have been adjusted for samples with positive hits below 5x blank level.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
PFAS-LL-EX-LCMS-WT	Water	PFC's Low Level by LC/MS-MS	MOECC E3533 and E3457

Water sample passed through a solid phase extraction (SPE). Final extract of Perfluorinated compounds are analyzed by LC/MS-MS.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

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

Chain of Custody Numbers:

20-894255

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 wwt - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid weight of sample

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.



Quality Control Report

Workorder: L2654289

Report Date: 02-NOV-21

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Client: MALROZ ENGINEERING INC. (Kingston)
308 Wellington Street, 2nd floor
Kingston ON K7K 7A8

Contact: Bailey Labbett

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PFAS-LL-EX-LCMS-WT		Water						
Batch	R5634224							
WG3648521-7	DUP	L2654289-1						
Perfluorobutane sulfonic acid (PFBS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluoropentane sulfonic acid (PFPeS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorohexane sulfonic acid (PFHxS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluoroheptane sulfonic acid (PFHpS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorooctane sulfonic acid (PFOS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorodecane sulfonic acid (PFDS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorobutanoic acid (PFBA)		<0.050	<0.050	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluoropentanoic acid (PFPeA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorohexanoic acid (PFHxA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluoroheptanoic acid (PFHpA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorooctanoic acid (PFOA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorononanoic acid (PFNA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorodecanoic acid (PFDA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluoroundecanoic acid (PFUnDA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorododecanoic acid (PFDoDA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorotridecanoic acid (PFTTrDA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorotetradecanoic acid (PFTeDA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorooctane sulfonamide (FOSA)		<0.0020	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
N-Me PFO sulfonamide (MeFOSA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
N-Et PFO sulfonamide (EtFOSA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
N-Me PFO sulfonamidoethanol (MeFOSE)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
N-Et PFO sulfonamidoethanol (EtFOSE)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
N-Me PFO sulfonamidoacetic acid(MeFOE)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
N-Et PFO sulfonamidoacetic acid(EtFOE)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
4:2 Fluorotelomer sulfonic acid(4:2 FTS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
6:2 Fluorotelomer sulfonic acid(6:2 FTS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
8:2 Fluorotelomer sulfonic acid(8:2 FTS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
10:2 Fluorotelomer sulfonic acid(10:2 F)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
WG3648521-6	LCS							
Perfluorobutane sulfonic acid (PFBS)			92.7		%		50-150	01-NOV-21
Perfluoropentane sulfonic acid (PFPeS)			98.7		%		50-150	01-NOV-21
Perfluorohexane sulfonic acid (PFHxS)			95.3		%		50-150	01-NOV-21
Perfluoroheptane sulfonic acid (PFHpS)			93.3		%		50-150	01-NOV-21



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Client: MALROZ ENGINEERING INC. (Kingston)
308 Wellington Street, 2nd floor
Kingston ON K7K 7A8

Contact: Bailey Labbett

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PFAS-LL-EX-LCMS-WT Water								
Batch R5634224								
WG3648521-6 LCS								
Perfluorooctane sulfonic acid (PFOS)			99.3		%		50-150	01-NOV-21
Perfluorodecane sulfonic acid (PFDS)			76.0		%		50-150	01-NOV-21
Perfluorobutanoic acid (PFBA)			103.6		%		50-150	01-NOV-21
Perfluoropentanoic acid (PFPeA)			104.7		%		50-150	01-NOV-21
Perfluorohexanoic acid (PFHxA)			118.0		%		50-150	01-NOV-21
Perfluoroheptanoic acid (PFHpA)			100.7		%		50-150	01-NOV-21
Perfluorooctanoic acid (PFOA)			96.7		%		50-150	01-NOV-21
Perfluorononanoic acid (PFNA)			106.0		%		50-150	01-NOV-21
Perfluorodecanoic acid (PFDA)			122.7		%		50-150	01-NOV-21
Perfluoroundecanoic acid (PFUnDA)			95.3		%		50-150	01-NOV-21
Perfluorododecanoic acid (PFDoDA)			95.3		%		50-150	01-NOV-21
Perfluorotridecanoic acid (PFTrDA)			81.3		%		50-150	01-NOV-21
Perfluorotetradecanoic acid (PFTeDA)			136.7		%		50-150	01-NOV-21
Perfluorooctane sulfonamide (FOSA)			145.3		%		50-150	01-NOV-21
N-Me PFO sulfonamide (MeFOSA)			130.7		%		50-150	01-NOV-21
N-Et PFO sulfonamide (EtFOSA)			140.7		%		50-150	01-NOV-21
N-Me PFO sulfonamidoethanol (MeFOSE)			45.3	LCS-ND	%		50-150	01-NOV-21
N-Et PFO sulfonamidoethanol (EtFOSE)			76.7		%		50-150	01-NOV-21
N-Me PFO sulfonamidoacetic acid(MeFOSE)			92.7		%		50-150	01-NOV-21
N-Et PFO sulfonamidoacetic acid(EtFOSA)			117.3		%		50-150	01-NOV-21
4:2 Fluorotelomer sulfonic acid(4:2 FTS)			104.7		%		50-150	01-NOV-21
6:2 Fluorotelomer sulfonic acid(6:2 FTS)			117.3		%		50-150	01-NOV-21
8:2 Fluorotelomer sulfonic acid(8:2 FTS)			116.7		%		50-150	01-NOV-21
10:2 Fluorotelomer sulfonic acid(10:2 F)			64.0		%		50-150	01-NOV-21
WG3648521-5 MB								
Perfluorobutane sulfonic acid (PFBS)			<0.0010		ug/L		0.001	01-NOV-21
Perfluoropentane sulfonic acid (PFPeS)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorohexane sulfonic acid (PFHxS)			<0.0010		ug/L		0.001	01-NOV-21
Perfluoroheptane sulfonic acid (PFHpS)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorooctane sulfonic acid (PFOS)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorodecane sulfonic acid (PFDS)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorobutanoic acid (PFBA)			<0.050		ug/L		0.05	01-NOV-21
Perfluoropentanoic acid (PFPeA)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorohexanoic acid (PFHxA)			<0.0010		ug/L		0.001	01-NOV-21



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Client: MALROZ ENGINEERING INC. (Kingston)
308 Wellington Street, 2nd floor
Kingston ON K7K 7A8

Contact: Bailey Labbett

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PFAS-LL-EX-LCMS-WT Water								
Batch R5634224								
WG3648521-5 MB								
Perfluoroheptanoic acid (PFHpA)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorooctanoic acid (PFOA)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorononanoic acid (PFNA)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorodecanoic acid (PFDA)			<0.0010		ug/L		0.001	01-NOV-21
Perfluoroundecanoic acid (PFUnDA)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorododecanoic acid (PFDoDA)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorotridecanoic acid (PFTTrDA)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorotetradecanoic acid (PFTTeDA)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorooctane sulfonamide (FOSA)			0.0047	MB-LOR	ug/L		0.001	01-NOV-21
N-Me PFO sulfonamide (MeFOSA)			<0.0010		ug/L		0.001	01-NOV-21
N-Et PFO sulfonamide (EtFOSA)			<0.0010		ug/L		0.001	01-NOV-21
N-Me PFO sulfonamidoethanol (MeFOSE)			<0.0010		ug/L		0.001	01-NOV-21
N-Et PFO sulfonamidoethanol (EtFOSE)			<0.0010		ug/L		0.001	01-NOV-21
N-Me PFO sulfonamidoacetic acid(MeFOSA)			<0.0010		ug/L		0.001	01-NOV-21
N-Et PFO sulfonamidoacetic acid(EtFOSA)			<0.0010		ug/L		0.001	01-NOV-21
4:2 Fluorotelomer sulfonic acid(4:2 FTS)			<0.0010		ug/L		0.001	01-NOV-21
6:2 Fluorotelomer sulfonic acid(6:2 FTS)			<0.0010		ug/L		0.001	01-NOV-21
8:2 Fluorotelomer sulfonic acid(8:2 FTS)			<0.0010		ug/L		0.001	01-NOV-21
10:2 Fluorotelomer sulfonic acid(10:2 F)			<0.0010		ug/L		0.001	01-NOV-21
WG3648521-8 MS L2654289-1								
Perfluorobutane sulfonic acid (PFBS)			86.7		%		50-150	01-NOV-21
Perfluoropentane sulfonic acid (PFPeS)			104.0		%		50-150	01-NOV-21
Perfluoroheptane sulfonic acid (PFHxS)			98.0		%		50-150	01-NOV-21
Perfluoroheptane sulfonic acid (PFHpS)			88.0		%		50-150	01-NOV-21
Perfluorooctane sulfonic acid (PFOS)			98.0		%		50-150	01-NOV-21
Perfluorodecane sulfonic acid (PFDS)			88.0		%		50-150	01-NOV-21
Perfluorobutanoic acid (PFBA)			91.0		%		50-150	01-NOV-21
Perfluoropentanoic acid (PFPeA)			114.0		%		50-150	01-NOV-21
Perfluorohexanoic acid (PFHxA)			111.3		%		50-150	01-NOV-21
Perfluoroheptanoic acid (PFHpA)			104.7		%		50-150	01-NOV-21
Perfluorooctanoic acid (PFOA)			106.7		%		50-150	01-NOV-21
Perfluorononanoic acid (PFNA)			124.7		%		50-150	01-NOV-21
Perfluorodecanoic acid (PFDA)			105.4		%		50-150	01-NOV-21
Perfluoroundecanoic acid (PFUnDA)			110.0		%		50-150	01-NOV-21



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Client: MALROZ ENGINEERING INC. (Kingston)
 308 Wellington Street, 2nd floor
 Kingston ON K7K 7A8

Contact: Bailey Labbett

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PFAS-LL-EX-LCMS-WT Water								
Batch R5634224								
WG3648521-8 MS		L2654289-1						
Perfluorododecanoic acid (PFDoDA)			115.4		%		50-150	01-NOV-21
Perfluorotridecanoic acid (PFTTrDA)			70.7		%		50-150	01-NOV-21
Perfluorotetradecanoic acid (PFTTeDA)			135.4		%		50-150	01-NOV-21
Perfluorooctane sulfonamide (FOSA)			148.6		%		50-150	01-NOV-21
N-Me PFO sulfonamide (MeFOSA)			134.7		%		50-150	01-NOV-21
N-Et PFO sulfonamide (EtFOSA)			133.3		%		50-150	01-NOV-21
N-Me PFO sulfonamidoethanol (MeFOSE)			58.7		%		50-150	01-NOV-21
N-Et PFO sulfonamidoethanol (EtFOSE)			76.1		%		50-150	01-NOV-21
N-Me PFO sulfonamidoacetic acid(MeFOSE)			90.0		%		50-150	01-NOV-21
N-Et PFO sulfonamidoacetic acid(EtFOSE)			124.0		%		50-150	01-NOV-21
4:2 Fluorotelomer sulfonic acid(4:2 FTS)			93.3		%		50-150	01-NOV-21
6:2 Fluorotelomer sulfonic acid(6:2 FTS)			114.7		%		50-150	01-NOV-21
8:2 Fluorotelomer sulfonic acid(8:2 FTS)			126.0		%		50-150	01-NOV-21
10:2 Fluorotelomer sulfonic acid(10:2 F)			49.3	K	%		50-150	01-NOV-21
Batch R5634324								
WG3648519-27 DUP		L2654289-3						
Perfluorobutane sulfonic acid (PFBS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluoropentane sulfonic acid (PFPeS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorohexane sulfonic acid (PFHxS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluoroheptane sulfonic acid (PFHpS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorooctane sulfonic acid (PFOS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorodecane sulfonic acid (PFDS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorobutanoic acid (PFBA)		<0.050	<0.050	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluoropentanoic acid (PFPeA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorohexanoic acid (PFHxA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluoroheptanoic acid (PFHpA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorooctanoic acid (PFOA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorononanoic acid (PFNA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorodecanoic acid (PFDA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluoroundecanoic acid (PFUnDA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorododecanoic acid (PFDoDA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorotridecanoic acid (PFTTrDA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
Perfluorotetradecanoic acid (PFTTeDA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21



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Client: MALROZ ENGINEERING INC. (Kingston)
308 Wellington Street, 2nd floor
Kingston ON K7K 7A8

Contact: Bailey Labbett

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PFAS-LL-EX-LCMS-WT		Water						
Batch R5634324								
WG3648519-27 DUP		L2654289-3						
Perfluorooctane sulfonamide (FOSA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
N-Me PFO sulfonamide (MeFOSA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
N-Et PFO sulfonamide (EtFOSA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
N-Me PFO sulfonamidoethanol (MeFOSE)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
N-Et PFO sulfonamidoethanol (EtFOSE)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
N-Me PFO sulfonamidoacetic acid(MeFOSA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
N-Et PFO sulfonamidoacetic acid(EtFOSA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
4:2 Fluorotelomer sulfonic acid(4:2 FTS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
6:2 Fluorotelomer sulfonic acid(6:2 FTS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
8:2 Fluorotelomer sulfonic acid(8:2 FTS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
10:2 Fluorotelomer sulfonic acid(10:2 F)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	01-NOV-21
WG3648519-26 LCS								
Perfluorobutane sulfonic acid (PFBS)			92.0		%		50-150	01-NOV-21
Perfluoropentane sulfonic acid (PFPeS)			102.7		%		50-150	01-NOV-21
Perfluorohexane sulfonic acid (PFHxS)			99.3		%		50-150	01-NOV-21
Perfluoroheptane sulfonic acid (PFHpS)			95.3		%		50-150	01-NOV-21
Perfluorooctane sulfonic acid (PFOS)			104.0		%		50-150	01-NOV-21
Perfluorodecane sulfonic acid (PFDS)			71.3		%		50-150	01-NOV-21
Perfluorobutanoic acid (PFBA)			107.6		%		50-150	01-NOV-21
Perfluoropentanoic acid (PFPeA)			125.3		%		50-150	01-NOV-21
Perfluorohexanoic acid (PFHxA)			132.7		%		50-150	01-NOV-21
Perfluoroheptanoic acid (PFHpA)			114.7		%		50-150	01-NOV-21
Perfluorooctanoic acid (PFOA)			110.0		%		50-150	01-NOV-21
Perfluorononanoic acid (PFNA)			126.0		%		50-150	01-NOV-21
Perfluorodecanoic acid (PFDA)			115.3		%		50-150	01-NOV-21
Perfluoroundecanoic acid (PFUnDA)			122.7		%		50-150	01-NOV-21
Perfluorododecanoic acid (PFDoDA)			140.7		%		50-150	01-NOV-21
Perfluorotridecanoic acid (PFTTrDA)			140.7		%		50-150	01-NOV-21
Perfluorotetradecanoic acid (PFTTeDA)			136.7		%		50-150	01-NOV-21
Perfluorooctane sulfonamide (FOSA)			176.0	LCS-H	%		50-150	01-NOV-21
N-Me PFO sulfonamide (MeFOSA)			133.3		%		50-150	01-NOV-21
N-Et PFO sulfonamide (EtFOSA)			190.7	LCS-H	%		50-150	01-NOV-21
N-Me PFO sulfonamidoethanol (MeFOSE)			50.0		%		50-150	01-NOV-21



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Client: MALROZ ENGINEERING INC. (Kingston)
308 Wellington Street, 2nd floor
Kingston ON K7K 7A8

Contact: Bailey Labbett

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PFAS-LL-EX-LCMS-WT Water								
Batch R5634324								
WG3648519-26 LCS								
N-Et PFO sulfonamidoethanol (EtFOSE)			89.3		%		50-150	01-NOV-21
N-Me PFO sulfonamidoacetic acid(MeFOS)			114.7		%		50-150	01-NOV-21
N-Et PFO sulfonamidoacetic acid(EtFOSA)			140.0		%		50-150	01-NOV-21
4:2 Fluorotelomer sulfonic acid(4:2 FTS)			109.3		%		50-150	01-NOV-21
6:2 Fluorotelomer sulfonic acid(6:2 FTS)			108.0		%		50-150	01-NOV-21
8:2 Fluorotelomer sulfonic acid(8:2 FTS)			112.0		%		50-150	01-NOV-21
10:2 Fluorotelomer sulfonic acid(10:2 F)			56.7		%		50-150	01-NOV-21
WG3648519-25 MB								
Perfluorobutane sulfonic acid (PFBS)			<0.0010		ug/L		0.001	01-NOV-21
Perfluoropentane sulfonic acid (PFPeS)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorohexane sulfonic acid (PFHxS)			<0.0010		ug/L		0.001	01-NOV-21
Perfluoroheptane sulfonic acid (PFHpS)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorooctane sulfonic acid (PFOS)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorodecane sulfonic acid (PFDS)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorobutanoic acid (PFBA)			<0.050		ug/L		0.05	01-NOV-21
Perfluoropentanoic acid (PFPeA)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorohexanoic acid (PFHxA)			<0.0010		ug/L		0.001	01-NOV-21
Perfluoroheptanoic acid (PFHpA)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorooctanoic acid (PFOA)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorononanoic acid (PFNA)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorodecanoic acid (PFDA)			<0.0010		ug/L		0.001	01-NOV-21
Perfluoroundecanoic acid (PFUnDA)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorododecanoic acid (PFDoDA)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorotridecanoic acid (PFTrDA)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorotetradecanoic acid (PFTeDA)			<0.0010		ug/L		0.001	01-NOV-21
Perfluorooctane sulfonamide (FOSA)			<0.0010		ug/L		0.001	01-NOV-21
N-Me PFO sulfonamide (MeFOSA)			<0.0010		ug/L		0.001	01-NOV-21
N-Et PFO sulfonamide (EtFOSA)			<0.0010		ug/L		0.001	01-NOV-21
N-Me PFO sulfonamidoethanol (MeFOSE)			<0.0010		ug/L		0.001	01-NOV-21
N-Et PFO sulfonamidoethanol (EtFOSE)			<0.0010		ug/L		0.001	01-NOV-21
N-Me PFO sulfonamidoacetic acid(MeFOS)			<0.0010		ug/L		0.001	01-NOV-21
N-Et PFO sulfonamidoacetic acid(EtFOSA)			<0.0010		ug/L		0.001	01-NOV-21
4:2 Fluorotelomer sulfonic acid(4:2 FTS)			<0.0010		ug/L		0.001	01-NOV-21
6:2 Fluorotelomer sulfonic acid(6:2 FTS)			0.0048	MB-LOR	ug/L		0.001	01-NOV-21



Quality Control Report

Workorder: L2654289

Report Date: 02-NOV-21

Page 7 of 8

Client: MALROZ ENGINEERING INC. (Kingston)
308 Wellington Street, 2nd floor
Kingston ON K7K 7A8

Contact: Bailey Labbett

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PFAS-LL-EX-LCMS-WT Water								
Batch R5634324								
WG3648519-25 MB								
8:2 Fluorotelomer sulfonic acid(8:2 FTS)			<0.0010		ug/L		0.001	01-NOV-21
10:2 Fluorotelomer sulfonic acid(10:2 F)			<0.0010		ug/L		0.001	01-NOV-21
WG3648519-28 MS L2654289-3								
Perfluorobutane sulfonic acid (PFBS)			90.7		%		50-150	01-NOV-21
Perfluoropentane sulfonic acid (PFPeS)			101.3		%		50-150	01-NOV-21
Perfluorohexane sulfonic acid (PFHxS)			102.0		%		50-150	01-NOV-21
Perfluoroheptane sulfonic acid (PFHpS)			103.3		%		50-150	01-NOV-21
Perfluorooctane sulfonic acid (PFOS)			96.7		%		50-150	01-NOV-21
Perfluorodecane sulfonic acid (PFDS)			76.0		%		50-150	01-NOV-21
Perfluorobutanoic acid (PFBA)			94.4		%		50-150	01-NOV-21
Perfluoropentanoic acid (PFPeA)			115.3		%		50-150	01-NOV-21
Perfluorohexanoic acid (PFHxA)			127.3		%		50-150	01-NOV-21
Perfluoroheptanoic acid (PFHpA)			106.7		%		50-150	01-NOV-21
Perfluorooctanoic acid (PFOA)			108.7		%		50-150	01-NOV-21
Perfluorononanoic acid (PFNA)			112.0		%		50-150	01-NOV-21
Perfluorodecanoic acid (PFDA)			102.7		%		50-150	01-NOV-21
Perfluoroundecanoic acid (PFUnDA)			110.0		%		50-150	01-NOV-21
Perfluorododecanoic acid (PFDoDA)			105.3		%		50-150	01-NOV-21
Perfluorotridecanoic acid (PFTTrDA)			126.0		%		50-150	01-NOV-21
Perfluorotetradecanoic acid (PFTeDA)			128.7		%		50-150	01-NOV-21
Perfluorooctane sulfonamide (FOSA)			94.0		%		50-150	01-NOV-21
N-Me PFO sulfonamide (MeFOSA)			130.7		%		50-150	01-NOV-21
N-Et PFO sulfonamide (EtFOSA)			136.0		%		50-150	01-NOV-21
N-Me PFO sulfonamidoethanol (MeFOSE)			62.7		%		50-150	01-NOV-21
N-Et PFO sulfonamidoethanol (EtFOSE)			66.0		%		50-150	01-NOV-21
N-Me PFO sulfonamidoacetic acid(MeFOSA)			127.3		%		50-150	01-NOV-21
N-Et PFO sulfonamidoacetic acid(EtFOSA)			108.0		%		50-150	01-NOV-21
4:2 Fluorotelomer sulfonic acid(4:2 FTS)			96.7		%		50-150	01-NOV-21
6:2 Fluorotelomer sulfonic acid(6:2 FTS)			104.7		%		50-150	01-NOV-21
8:2 Fluorotelomer sulfonic acid(8:2 FTS)			95.3		%		50-150	01-NOV-21
10:2 Fluorotelomer sulfonic acid(10:2 F)			56.7		%		50-150	01-NOV-21

Quality Control Report

Workorder: L2654289

Report Date: 02-NOV-21

Client: MALROZ ENGINEERING INC. (Kingston)
308 Wellington Street, 2nd floor
Kingston ON K7K 7A8

Page 8 of 8

Contact: Bailey Labbett

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
K	Matrix Spike recovery outside ALS DQO due to sample matrix effects.
LCS-H	Lab Control Sample recovery was above ALS DQO. Non-detected sample results are considered reliable. Other results, if reported, have been qualified.
LCS-ND	Lab Control Sample recovery was slightly outside ALS DQO. Reported non-detect results for associated samples were unaffected.
MB-LOR	Method Blank exceeds ALS DQO. Limits of Reporting have been adjusted for samples with positive hits below 5x blank level.
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.



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Chain



L2654289-COFC

COC Number: 20 - 894255

Page 1 of 1

Report To		Reports / Recipients			Turnaround Time (TAT) Requested		Analysis Request								
Contact and company name below will appear on the final report		Select Report Format: <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL)			<input checked="" type="checkbox"/> Routine [R] if received by 3pm M-F - no surcharges apply <input type="checkbox"/> 4 day [P4] if received by 3pm M-F - 20% rush surcharge minimum <input type="checkbox"/> 3 day [P3] if received by 3pm M-F - 25% rush surcharge minimum <input type="checkbox"/> 2 day [P2] if received by 3pm M-F - 50% rush surcharge minimum <input type="checkbox"/> 1 day [E] if received by 3pm M-F - 100% rush surcharge minimum <input type="checkbox"/> Same day [E2] if received by 10am M-S - 200% rush surcharge. Additional fees may apply to rush requests on weekends, statutory holidays and non-routine tests		AFFIX ALS BARCODE LABEL HERE (ALS use only)								
Company: Malro		Merge QC/QCI Reports with COA <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A			Date and Time Required for all E&P TATs:										
Contact: Mallory Wright		Select Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX			For all tests with rush TATs requested, please contact your AM to confirm availability.		Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below								
Phone: (613) 498-5221		Email 1 or Fax: Mallory@malro.com			NUMBER OF CONTAINERS		SAMPLES ON HOLD								
Company address below will appear on the final report		Email 2: pyke@malro.com			EXTENDED STORAGE REQUIRED		SUSPECTED HAZARD (see notes)								
Street: 308 Wellington Street		Email 3:			Oil and Gas Required Fields (client use)										
City/Province: ON Kingston, ON		Invoice Recipients			AFE/Cost Center: PO#										
Postal Code: K7K 7A8		Select Invoice Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX			Major/Minor Code: Routing Code:										
Invoice To		Company: Courtney Mahoney			Requisitioner:										
Same as Report To <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Project Information			Location:										
Copy of Invoice with Report <input type="checkbox"/> YES <input type="checkbox"/> NO		ALS Account # / Quote #: QFF378		ALS Contact:		Sampler:									
Company: Courtney Mahoney		Job #: 1036		ALS Lab Work Order # (ALS use only): L2654289		ALS Sample # (ALS use only)		Sample Identification and/or Coordinates (This description will appear on the report)		Date (dd-mmm-yy)		Time (hh:mm)		Sample Type	
ALS Account # / Quote #: QFF378		Job #: 1036		ALS Lab Work Order # (ALS use only): L2654289		ALS Sample # (ALS use only)		Sample Identification and/or Coordinates (This description will appear on the report)		Date (dd-mmm-yy)		Time (hh:mm)		Sample Type	
PO / AFE:		LSD:				ALS Sample # (ALS use only)		Sample Identification and/or Coordinates (This description will appear on the report)		Date (dd-mmm-yy)		Time (hh:mm)		Sample Type	
ALS Lab Work Order # (ALS use only): L2654289		ALS Contact:		Sampler:		ALS Sample # (ALS use only)		Sample Identification and/or Coordinates (This description will appear on the report)		Date (dd-mmm-yy)		Time (hh:mm)		Sample Type	
ALS Sample # (ALS use only)		Sample Identification and/or Coordinates (This description will appear on the report)		Date (dd-mmm-yy)		Time (hh:mm)		Sample Type		NUMBER OF CONTAINERS		SAMPLES ON HOLD		EXTENDED STORAGE REQUIRED	
		21-W025		21-09-20		10:15		B-		3		X			
		21-W028		↓		11:30		GW		↓		X		X	
		21-W032		↓		14:00		↓		↓		X			
		21-W034		↓		16:15		↓		↓		X			
		21-W035		↓		↓		↓		↓		X			
Drinking Water (DW) Samples ¹ (client use)		Notes / Specify Limits for result evaluation by selecting from drop-down below (Excel COC only)			SAMPLE RECEIPT DETAILS (ALS use only)										
Are samples taken from a Regulated DW System? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					Cooling Method: <input type="checkbox"/> NONE <input checked="" type="checkbox"/> ICE <input type="checkbox"/> ICE PACKS <input type="checkbox"/> FROZEN <input type="checkbox"/> COOLING INITIATED										
Are samples for human consumption/ use? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					Submission Comments identified on Sample Receipt Notification: <input type="checkbox"/> YES <input type="checkbox"/> NO										
					Cooler Custody Seals Intact: <input type="checkbox"/> YES <input type="checkbox"/> N/A Sample Custody Seals Intact: <input type="checkbox"/> YES <input type="checkbox"/> N/A										
					INITIAL COOLER TEMPERATURES °C: 3.6 FINAL COOLER TEMPERATURES °C:										
SHIPMENT RELEASE (client use)		INITIAL SHIPMENT RECEPTION (ALS use only)			FINAL SHIPMENT RECEPTION (ALS use only)										
Released by: [Signature]		Received by: [Signature]			Received by: [Signature]										
Date: Oct 21/21		Date: [Signature]			Date: 20-10-21										
Time: [Signature]		Time: [Signature]			Time: [Signature]										

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.

C.O.C.: G104513

REPORT No. B21-39942 (i)

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 07-Dec-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 30-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W046		
Sample I.D.	B21-39942-1		
Date Collected	07-Dec-21		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	09-Dec-21/O	238		
pH @25°C	pH Units		SM 4500H	09-Dec-21/O	8.08		
Conductivity @25°C	µmho/cm	1	SM 2510B	09-Dec-21/O	1060		
Chloride	mg/L	0.5	SM4110C	09-Dec-21/O	107		
Nitrite (N)	mg/L	0.05	SM4110C	09-Dec-21/O	< 0.05		
Nitrate (N)	mg/L	0.05	SM4110C	09-Dec-21/O	< 0.05		
Sulphate	mg/L	1	SM4110C	09-Dec-21/O	133		
BOD(5 day)	mg/L	3	SM 5210B	08-Dec-21/K	< 3		
Total Suspended Solids	mg/L	3	SM2540D	08-Dec-21/K	< 3		
Phosphorus-Total	mg/L	0.01	E3199A.1	15-Dec-21/K	< 0.01		
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	15-Dec-21/K	0.1		
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	09-Dec-21/K	0.02		
Total Dissolved Solids	mg/L	3	SM 2540D	13-Dec-21/O	568		
Dissolved Organic Carbon	mg/L	0.5	EPA 415.2	24-Dec-21/O	4.7	†	
Phenolics	mg/L	0.002	MOEE 3179	08-Dec-21/K	< 0.002		
COD	mg/L	5	SM5220C	08-Dec-21/K	6		
Hardness (as CaCO3)	mg/L	1	SM 3120	10-Dec-21/O	1		
Aluminum	mg/L	0.01	SM 3120	10-Dec-21/O	< 0.01		
Arsenic	mg/L	0.0001	EPA 200.8	13-Dec-21/O	< 0.0001		
Barium	mg/L	0.001	SM 3120	10-Dec-21/O	< 0.001		
Boron	mg/L	0.005	SM 3120	10-Dec-21/O	0.391		
Cadmium	mg/L	0.000015	EPA 200.8	13-Dec-21/O	< 0.000015		
Calcium	mg/L	0.02	SM 3120	10-Dec-21/O	0.36		
Chromium	mg/L	0.001	EPA 200.8	13-Dec-21/O	< 0.001		
Cobalt	mg/L	0.0001	EPA 200.8	13-Dec-21/O	< 0.0001		
Copper	mg/L	0.0001	EPA 200.8	13-Dec-21/O	0.0005		
Iron	mg/L	0.005	SM 3120	10-Dec-21/O	0.032		



R.L. = Reporting Limit

Test methods may be modified from specified reference method unless indicated by an *

Site Analyzed=K-Kingston, W-Windsor, O-Ottawa, R-Richmond Hill, B-Barrie

Michelle Dubien
 Lab Manager

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REPORT No. B21-39942 (i)

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 308 Wellington Street, 2nd Floor
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Attention: Mallory Wright

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 285 Dalton Ave
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 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 07-Dec-21
 DATE REPORTED: 30-Dec-21
 SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1036-Briar Hill
 P.O. NUMBER:
 WATERWORKS NO.

Client I.D.	21-W046		
Sample I.D.	B21-39942-1		
Date Collected	07-Dec-21		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Lead	mg/L	0.00002	EPA 200.8	13-Dec-21/O	0.00005		
Magnesium	mg/L	0.02	SM 3120	10-Dec-21/O	0.06		
Manganese	mg/L	0.001	SM 3120	10-Dec-21/O	< 0.001		
Mercury	mg/L	0.00002	SM 3112 B	14-Dec-21/O	< 0.00002		
Potassium	mg/L	0.1	SM 3120	10-Dec-21/O	0.2		
Silver	mg/L	0.0001	EPA 200.8	13-Dec-21/O	< 0.0001		
Sodium	mg/L	0.2	SM 3120	10-Dec-21/O	253		
Strontium	mg/L	0.001	SM 3120	10-Dec-21/O	0.009		
Uranium	mg/L	0.00005	EPA 200.8	13-Dec-21/O	< 0.00005		
Vanadium	mg/L	0.0001	EPA 200.8	13-Dec-21/O	< 0.0001		
Zinc	mg/L	0.005	SM 3120	10-Dec-21/O	< 0.005		

1 Subcontracted to Eurofins



Michelle Dubien
 Lab Manager

R.L. = Reporting Limit

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C.O.C.: G104513

REPORT No. B21-39942 (ii)

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 07-Dec-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 30-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W046		
Sample I.D.	B21-39942-1		
Date Collected	07-Dec-21		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Acetone	µg/L	30	EPA 8260	08-Dec-21/R	< 30		
Benzene	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Bromobenzene	µg/L	0.4	EPA 8260	08-Dec-21/R	< 0.4		
Bromodichloromethane	µg/L	2	EPA 8260	08-Dec-21/R	< 2		
Bromoform	µg/L	5	EPA 8260	08-Dec-21/R	< 5		
Bromomethane	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Carbon Tetrachloride	µg/L	0.2	EPA 8260	08-Dec-21/R	< 0.2		
Chloroethane	µg/L	3	EPA 8260	08-Dec-21/R	< 3		
Chloroform	µg/L	1	EPA 8260	08-Dec-21/R	< 1		
Chloromethane	µg/L	2	EPA 8260	08-Dec-21/R	< 2		
Chlorotoluene,2-	µg/L	0.2	EPA 8260	08-Dec-21/R	< 0.2		
Chlorotoluene,4-	µg/L	0.2	EPA 8260	08-Dec-21/R	< 0.2		
Dibromo-3-Chloropropane, 1,2-	µg/L	0.6	EPA 8260	08-Dec-21/R	< 0.6		
Dibromochloromethane	µg/L	2	EPA 8260	08-Dec-21/R	< 2		
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.2	EPA 8260	08-Dec-21/R	< 0.2		
Dibromomethane	µg/L	0.1	EPA 8260	08-Dec-21/R	< 0.1		
Dichlorobenzene,1,2-	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Dichlorobenzene,1,3-	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Dichlorobenzene,1,4-	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Dichlorodifluoromethane	µg/L	2	EPA 8260	08-Dec-21/R	< 2		
Dichloroethane,1,1-	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Dichloroethane,1,2-	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Dichloroethene, cis-1,2-	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Dichloroethene, trans-1,2-	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Dichloroethylene,1,1-	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		



Michelle Dubien
 Lab Manager

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 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

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 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
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DATE RECEIVED: 07-Dec-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 30-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W046		
Sample I.D.	B21-39942-1		
Date Collected	07-Dec-21		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Dichloromethane (Methylene Chloride)	µg/L	5	EPA 8260	08-Dec-21/R	< 5		
Dichloropropane,1,2-	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Dichloropropane,1,3-	µg/L	0.2	EPA 8260	08-Dec-21/R	< 0.2		
Dichloropropane,2,2-	µg/L	0.2	EPA 8260	08-Dec-21/R	< 0.2		
Dichloropropene 1,3-cis+trans	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Dichloropropene, cis-1,3-	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Dichloropropene, trans-1,3-	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Dichloropropene,1,1-	µg/L	0.2	EPA 8260	08-Dec-21/R	< 0.2		
Ethylbenzene	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Hexachlorobutadiene	µg/L	0.6	EPA 8260	08-Dec-21/R	< 0.6		
Hexane	µg/L	5	EPA 8260	08-Dec-21/R	< 5		
Isopropylbenzene	µg/L	0.2	EPA 8260	08-Dec-21/R	< 0.2		
Isopropyltoluene,4-	µg/L	0.2	EPA 8260	08-Dec-21/R	< 0.2		
Methyl Butyl Ketone	µg/L	5	EPA 8260	08-Dec-21/R	< 5		
Methyl Ethyl Ketone	µg/L	20	EPA 8260	08-Dec-21/R	< 20		
Methyl Isobutyl Ketone	µg/L	20	EPA 8260	08-Dec-21/R	< 20		
Methyl-t-butyl Ether	µg/L	2	EPA 8260	08-Dec-21/R	< 2		
Monochlorobenzene (Chlorobenzene)	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Naphthalene	µg/L	0.4	EPA 8260	08-Dec-21/R	< 0.4		
n-Butylbenzene	µg/L	0.4	EPA 8260	08-Dec-21/R	< 0.4		
n-Propylbenzene	µg/L	0.1	EPA 8260	08-Dec-21/R	< 0.1		
sec-Butylbenzene	µg/L	0.1	EPA 8260	08-Dec-21/R	< 0.1		
Styrene	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
tert-Butylbenzene	µg/L	0.1	EPA 8260	08-Dec-21/R	< 0.1		
Tetrachloroethane,1,1,1,2-	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		



R.L. = Reporting Limit

Test methods may be modified from specified reference method unless indicated by an *

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

Michelle Dubien
 Lab Manager

The analytical results reported herein refer to the samples as received. Reproduction of this analytical report in full or in part is prohibited without prior consent from

C.O.C.: G104513

REPORT No. B21-39942 (ii)

Report To:

Malroz Engineering Inc.
 308 Wellington Street, 2nd Floor
 Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston Ontario K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 07-Dec-21

JOB/PROJECT NO.: 1036-Briar Hill

DATE REPORTED: 30-Dec-21

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	21-W046		
Sample I.D.	B21-39942-1		
Date Collected	07-Dec-21		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Tetrachloroethane,1,1,2,2-	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Tetrachloroethylene	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Toluene	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Trichlorobenzene,1,2,3-	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Trichlorobenzene,1,2,4-	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Trichloroethane,1,1,1-	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Trichloroethane,1,1,2-	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Trichloroethylene	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Trichlorofluoromethane	µg/L	5	EPA 8260	08-Dec-21/R	< 5		
Trichloropropane,1,2,3-	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		
Trimethylbenzene,1,2,4-	µg/L	1	EPA 8260	08-Dec-21/R	< 1		
Trimethylbenzene,1,3,5-	µg/L	0.1	EPA 8260	08-Dec-21/R	< 0.1		
Vinyl Chloride	µg/L	0.2	EPA 8260	08-Dec-21/R	< 0.2		
Xylene, m,p-	µg/L	1.0	EPA 8260	08-Dec-21/R	< 1.0		
Xylene, m,p,o-	µg/L	1.1	EPA 8260	08-Dec-21/R	< 1.1		
Xylene, o-	µg/L	0.5	EPA 8260	08-Dec-21/R	< 0.5		



Michelle Dubien
 Lab Manager

R.L. = Reporting Limit

Test methods may be modified from specified reference method unless indicated by an *

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

The analytical results reported herein refer to the samples as received. Reproduction of this analytical report in full or in part is prohibited without prior consent from



MALROZ ENGINEERING INC. (Kingston)
ATTN: Mallory Wright
308 Wellington Street, 2nd floor
Kingston ON K7K 7A8

Date Received: 08-DEC-21
Report Date: 17-DEC-21 12:53 (MT)
Version: FINAL

Client Phone: 613-548-3446

Certificate of Analysis

Lab Work Order #: L2670479
Project P.O. #: NOT SUBMITTED
Job Reference: 1036
C of C Numbers:
Legal Site Desc:

Costas Farassoglou
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 190 Colonnade Road, Unit 7, Ottawa, ON K2E 7J5 Canada | Phone: +1 613 225 8279 | Fax: +1 613 225 2801
ALS CANADA LTD Part of the ALS Group An ALS Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2670479-1 21-W046 Sampled By: CLIENT on 07-DEC-21 @ 11:15 Matrix: WATER							
Perfluorinated Compounds							
8:2 Fluorotelomer sulfonic acid(8:2 FTS)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
6:2 Fluorotelomer sulfonic acid(6:2 FTS)	<0.03	DLB	0.030	ug/L	15-DEC-21	15-DEC-21	R5680255
4:2 Fluorotelomer sulfonic acid(4:2 FTS)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
10:2 Fluorotelomer sulfonic acid(10:2 F)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
Perfluorobutane sulfonic acid (PFBS)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
Perfluorohexane sulfonic acid (PFHxS)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
Perfluorotridecanoic acid (PFTrDA)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
Perfluorooctane sulfonic acid (PFOS)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
Perfluoropentane sulfonic acid (PFPeS)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
N-Et PFO sulfonamide (EtFOSA)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
N-Et PFO sulfonamidoethanol (EtFOSE)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
N-Et PFO sulfonamidoacetic acid(EtFOSAA)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
N-Me PFO sulfonamide (MeFOSA)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
N-Me PFO sulfonamidoacetic acid(MeFOSAA)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
N-Me PFO sulfonamidoethanol (MeFOSE)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
Perfluoroheptane sulfonic acid (PFHpS)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
Perfluorooctane sulfonamide (FOSA)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
Perfluorodecane sulfonic acid (PFDS)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
Perfluorobutanoic acid (PFBA)	<0.050		0.050	ug/L	15-DEC-21	15-DEC-21	R5680255
Perfluorodecanoic acid (PFDA)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
Perfluorododecanoic acid (PFDoDA)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
Perfluoroheptanoic acid (PFHpA)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
Perfluorohexanoic acid (PFHxA)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
Perfluorononanoic acid (PFNA)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
Perfluorooctanoic acid (PFOA)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
Perfluoropentanoic acid (PFPeA)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
Perfluorotetradecanoic acid (PFTeDA)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255
Perfluoroundecanoic acid (PFUnDA)	<0.0010		0.0010	ug/L	15-DEC-21	15-DEC-21	R5680255

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Laboratory Control Sample	6:2 Fluorotelomer sulfonic acid(6:2 FT	LCS-H	L2670479-1
Method Blank	6:2 Fluorotelomer sulfonic acid(6:2 FT	MB-LOR	L2670479-1
Matrix Spike	6:2 Fluorotelomer sulfonic acid(6:2 FT	MS-B	L2670479-1
Matrix Spike	Perfluoropentanoic acid (PFPeA)	MS-B	L2670479-1

Sample Parameter Qualifier key listed:

Qualifier	Description
DLB	Detection Limit Raised. Analyte detected at comparable level in Method Blank.
LCS-H	Lab Control Sample recovery was above ALS DQO. Non-detected sample results are considered reliable. Other results, if reported, have been qualified.
MB-LOR	Method Blank exceeds ALS DQO. Limits of Reporting have been adjusted for samples with positive hits below 5x blank level.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
PFAS-LL-EX-LCMS-WT	Water	PFC's Low Level by LC/MS-MS	MOECC E3533, E3457, Mod. EPA 537.1

Water sample passed through a solid phase extraction (SPE). Final extract of Perfluorinated compounds are analyzed by LC/MS-MS.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

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

Chain of Custody Numbers:

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 wwt - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid weight of sample

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.



Quality Control Report

Workorder: L2670479

Report Date: 17-DEC-21

Page 1 of 5

Client: MALROZ ENGINEERING INC. (Kingston)
308 Wellington Street, 2nd floor
Kingston ON K7K 7A8

Contact: Mallory Wright

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PFAS-LL-EX-LCMS-WT		Water						
Batch R5680255								
WG3674584-3 DUP		WG3674584-5						
Perfluorobutane sulfonic acid (PFBS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	15-DEC-21
Perfluoropentane sulfonic acid (PFPeS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	15-DEC-21
Perfluorohexane sulfonic acid (PFHxS)		0.0036	0.0036		ug/L	1.0	20	15-DEC-21
Perfluoroheptane sulfonic acid (PFHpS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	15-DEC-21
Perfluorooctane sulfonic acid (PFOS)		0.0045	0.0050		ug/L	12	20	15-DEC-21
Perfluorodecane sulfonic acid (PFDS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	15-DEC-21
Perfluorobutanoic acid (PFBA)		<0.050	<0.050	RPD-NA	ug/L	N/A	20	15-DEC-21
Perfluoropentanoic acid (PFPeA)		0.0048	0.0050		ug/L	4.8	20	15-DEC-21
Perfluorohexanoic acid (PFHxA)		0.0043	0.0044		ug/L	1.4	20	15-DEC-21
Perfluoroheptanoic acid (PFHpA)		0.0038	0.0037		ug/L	3.1	20	15-DEC-21
Perfluorooctanoic acid (PFOA)		0.0028	0.0029		ug/L	3.2	20	15-DEC-21
Perfluorononanoic acid (PFNA)		0.0011	0.0011		ug/L	4.2	20	15-DEC-21
Perfluorodecanoic acid (PFDA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	15-DEC-21
Perfluoroundecanoic acid (PFUnDA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	15-DEC-21
Perfluorododecanoic acid (PFDoDA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	15-DEC-21
Perfluorotridecanoic acid (PFTTrDA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	15-DEC-21
Perfluorotetradecanoic acid (PFTeDA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	15-DEC-21
Perfluorooctane sulfonamide (FOSA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	15-DEC-21
N-Me PFO sulfonamide (MeFOSA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	15-DEC-21
N-Et PFO sulfonamide (EtFOSA)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	15-DEC-21
N-Me PFO sulfonamidoethanol (MeFOSE)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	15-DEC-21
N-Et PFO sulfonamidoethanol (EtFOSE)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	15-DEC-21
N-Me PFO sulfonamidoacetic acid(MeFOE)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	15-DEC-21
N-Et PFO sulfonamidoacetic acid(EtFOE)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	15-DEC-21
4:2 Fluorotelomer sulfonic acid(4:2 FTS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	15-DEC-21
6:2 Fluorotelomer sulfonic acid(6:2 FTS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	15-DEC-21
8:2 Fluorotelomer sulfonic acid(8:2 FTS)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	15-DEC-21
10:2 Fluorotelomer sulfonic acid(10:2 F)		<0.0010	<0.0010	RPD-NA	ug/L	N/A	20	15-DEC-21
WG3674584-2 LCS								
Perfluorobutane sulfonic acid (PFBS)			89.3		%		50-150	15-DEC-21
Perfluoropentane sulfonic acid (PFPeS)			116.0		%		50-150	15-DEC-21
Perfluorohexane sulfonic acid (PFHxS)			102.7		%		50-150	15-DEC-21
Perfluoroheptane sulfonic acid (PFHpS)			100.7		%		50-150	15-DEC-21



Quality Control Report

Workorder: L2670479

Report Date: 17-DEC-21

Page 2 of 5

Client: MALROZ ENGINEERING INC. (Kingston)
 308 Wellington Street, 2nd floor
 Kingston ON K7K 7A8

Contact: Mallory Wright

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PFAS-LL-EX-LCMS-WT Water								
Batch R5680255								
WG3674584-2 LCS								
			92.7		%		50-150	15-DEC-21
			82.7		%		50-150	15-DEC-21
			81.4		%		50-150	15-DEC-21
			112.0		%		50-150	15-DEC-21
			114.7		%		50-150	15-DEC-21
			105.3		%		50-150	15-DEC-21
			108.7		%		50-150	15-DEC-21
			106.7		%		50-150	15-DEC-21
			118.7		%		50-150	15-DEC-21
			118.0		%		50-150	15-DEC-21
			113.3		%		50-150	15-DEC-21
			85.3		%		50-150	15-DEC-21
			103.3		%		50-150	15-DEC-21
			130.0		%		50-150	15-DEC-21
			114.7		%		50-150	15-DEC-21
			110.0		%		50-150	15-DEC-21
			66.7		%		50-150	15-DEC-21
			119.3		%		50-150	15-DEC-21
			114.0		%		50-150	15-DEC-21
			146.7		%		50-150	15-DEC-21
			100.7		%		50-150	15-DEC-21
			N/A	LCS-H	%		50-150	15-DEC-21
			104.0		%		50-150	15-DEC-21
			101.3		%		50-150	15-DEC-21
WG3674584-1 MB								
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.050		ug/L		0.05	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21



Quality Control Report

Workorder: L2670479

Report Date: 17-DEC-21

Page 3 of 5

Client: MALROZ ENGINEERING INC. (Kingston)
 308 Wellington Street, 2nd floor
 Kingston ON K7K 7A8

Contact: Mallory Wright

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PFAS-LL-EX-LCMS-WT Water								
Batch R5680255								
WG3674584-1 MB								
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			0.0140	MB-LOR	ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
			<0.0010		ug/L		0.001	15-DEC-21
WG3674584-4 MS WG3674584-6								
			86.7		%		50-150	15-DEC-21
			122.0		%		50-150	15-DEC-21
			103.0		%		50-150	15-DEC-21
			111.3		%		50-150	15-DEC-21
			93.1		%		50-150	15-DEC-21
			90.0		%		50-150	15-DEC-21
			70.7		%		50-150	15-DEC-21
			N/A	MS-B	%		-	15-DEC-21
			114.0		%		50-150	15-DEC-21
			105.2		%		50-150	15-DEC-21
			117.0		%		50-150	15-DEC-21
			104.8		%		50-150	15-DEC-21
			117.4		%		50-150	15-DEC-21
			113.3		%		50-150	15-DEC-21



Quality Control Report

Workorder: L2670479

Report Date: 17-DEC-21

Page 4 of 5

Client: MALROZ ENGINEERING INC. (Kingston)
308 Wellington Street, 2nd floor
Kingston ON K7K 7A8

Contact: Mallory Wright

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PFAS-LL-EX-LCMS-WT	Water							
Batch	R5680255							
WG3674584-4 MS		WG3674584-6						
Perfluorododecanoic acid (PFDoDA)			116.7		%		50-150	15-DEC-21
Perfluorotridecanoic acid (PFTTrDA)			87.3		%		50-150	15-DEC-21
Perfluorotetradecanoic acid (PFTeDA)			122.7		%		50-150	15-DEC-21
Perfluorooctane sulfonamide (FOSA)			120.0		%		50-150	15-DEC-21
N-Me PFO sulfonamide (MeFOSA)			116.0		%		50-150	15-DEC-21
N-Et PFO sulfonamide (EtFOSA)			96.7		%		50-150	15-DEC-21
N-Me PFO sulfonamidoethanol (MeFOSE)			92.0		%		50-150	15-DEC-21
N-Et PFO sulfonamidoethanol (EtFOSE)			120.0		%		50-150	15-DEC-21
N-Me PFO sulfonamidoacetic acid(MeFOSA)			110.7		%		50-150	15-DEC-21
N-Et PFO sulfonamidoacetic acid(EtFOSA)			100.7		%		50-150	15-DEC-21
4:2 Fluorotelomer sulfonic acid(4:2 FTS)			96.7		%		50-150	15-DEC-21
6:2 Fluorotelomer sulfonic acid(6:2 FTS)			N/A	MS-B	%		-	15-DEC-21
8:2 Fluorotelomer sulfonic acid(8:2 FTS)			102.0		%		50-150	15-DEC-21
10:2 Fluorotelomer sulfonic acid(10:2 F)			102.0		%		50-150	15-DEC-21

Quality Control Report

Workorder: L2670479

Report Date: 17-DEC-21

Client: MALROZ ENGINEERING INC. (Kingston)
308 Wellington Street, 2nd floor
Kingston ON K7K 7A8

Page 5 of 5

Contact: Mallory Wright

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
LCS-H	Lab Control Sample recovery was above ALS DQO. Non-detected sample results are considered reliable. Other results, if reported, have been qualified.
MB-LOR	Method Blank exceeds ALS DQO. Limits of Reporting have been adjusted for samples with positive hits below 5x blank level.
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.

Appendix K
Historical Analytical Results

Historical Overburden Groundwater Analytical Results

PARAMETERS			Alkalinity	N - Ammonia	BOD	COD	DOC	Conductivity	Hardness	pH	Phenols	Phosphorus (total)	Total Dissolved Solids	Total Suspended Solids	Total Kjeldahl - N	Chloride	N - Nitrate	N - Nitrite	Sulfate	Mercury	Aluminum	Arsenic	Barium	Boron	
Groundwater Sampling Location	Sample ID	Date	Units RL	mg/L	mg/L	mg/L	mg/L	µmohm/cm	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
			ODWS	30-500	0.01	3	5	1	80-100	6.5 - 8.5	0.002	0.01	3	3	0.1	0.5	0.05	0.05	1	0.00002	0.01	0.0001	0.001	0.005	
L10	8/1/2002	814	-	4.2	-	-	2100	901	6.85	-	-	1530	-	1.12	31	-0.2	-0.2	71.6	-	<0.005	<0.002	0.347	0.491	0.44	
L10	11/1/2002	833	0.24	2.1	-	-	1980	1070	7.36	-	-	1520	-	0.93	297	<0.2	<0.2	69.7	-	<0.005	<0.002	0.403	0.44	0.498	
L10	7/1/2003	818	0.08	3.4	-	-	8.0	2340	1120	7.11	-	1610	-	0.86	347	nd	-	77.4	-	0.006	nd	0.4	0.4	0.56	
L10	10/1/2003	798	0.09	3.7	-	-	16.5	1720	-	7.04	-	1620	-	0.71	273	nd	-	78.6	-	nd	0.002	0.327	0.523	0.481	
L10	5/1/2004	726	-	2.1	-	-	8.6	2010	1110	7.07	-	1700	-	0.64	380	-	-	85.3	-	0.01	nd	0.318	0.511	0.498	
L10	11/1/2004	807	-	2.9	-	-	13.2	2150	1110	7.65	-	1590	-	0.82	356	nd	-	101	-	nd	nd	0.303	0.676	0.676	
L10	5/1/2007	840	5.8	<2	-	-	20.5	1990	892	6.89	-	1316	-	6	115	0.116	-	123	<0.00002	<0.01	0.005	0.503	1.12	1.12	
L10	8/1/2007	528	4	3	-	-	14.4	2050	899	6.5	-	1359	-	4	120	0.5	-	140	<0.00002	0.08	0.006	0.138	1.34	1.34	
L10	10/1/2007	828	9.4	<2	-	-	15.5	1860	868	7.02	-	1239	-	9	160	<0.1	-	150	<0.00002	0.01	0.006	0.371	1.27	1.27	
L10	6/1/2008	784	3.2	2	41	9.7	1990	863	7.02	-	-	1090	-	4	133	<0.1	-	138	-	0.01	0.0013	0.183	1.23	1.23	
L10	9/1/2008	832	4.1	<2	38	9.6	1640	886	7.06	-	-	970	-	5	123	<0.1	-	148	-	0.13	0.0011	0.17	1.29	1.29	
L10	11/1/2008	821	6.5	3	-	-	10.1	1940	809	7.01	-	1070	-	8	102	<0.1	<0.1	151	<0.00002	<0.01	<0.03	0.128	1.39	1.39	
L10	4/1/2009	765	8.1	<2	48	11.4	1850	913	7.27	<0.001	0.05	1040	-	7.8	109	<0.1	-	158	<0.00002	0.02	0.006	0.106	1.31	1.31	
L10	11/1/2009	832	7.4	<2	46	11.5	1970	859	6.64	<0.001	-	1080	360	7	114	<0.1	<0.1	157	<0.00002	0.03	0.005	0.111	1.28	1.28	
L10	4/15/2010	811	8.7	<2	-	-	10.7	1870	850	7.57	<0.001	-	1030	136	9.21	96.4	<0.1	<0.1	147	<0.00002	0.01	0.005	0.112	1.39	1.39
L10	12/6/2010	708	10.2	<2	115	10.9	1870	741	8.02	<0.001	-	1030	-	11.7	92	<0.1	<0.1	141	<0.00002	0.12	0.006	0.096	1.41	1.41	
L10	8/1/2011	789	10.51	<2	48	11.4	1840	830	7.46	<0.001	0.18	1020	160	11.4	91	0.1	<0.1	119	<0.00002	0.12	0.006	0.131	1.15	1.15	
L10	5/30/2012	797	7.9	3	269	11.9	1840	815	7.21	<0.001	0.13	1030	526	5.1	98.6	0.1	<0.1	111	<0.00002	0.04	0.007	0.097	1.23	1.23	
L10	7/1/2013	804	7.68	-	127	13.3	1770	-	7.38	<0.001	0.44	1150	-	89	96	<0.10	<0.10	89	<0.00001	-	<0.001	0.11	1.2	1.2	
L10	10/25/2013	799	9.62	<2.0	198	14.0	1820	797	7.31	-	-	1090	471	9.88	93.9	<0.10	<0.10	93.2	<0.00010	-	<0.001	0.109	1.02	1.02	
L10	8/20/2014	747	10.7	4.2	56	16.1	1790	811	6.95	0.0029	0.953	997	557	13.3	97	<0.50	<0.50	91	<0.00010	0.022	<0.010	0.115	1.16	1.16	
L10	10/24/2014	765	8.79	<2.0	47	14.9	1660	718	7.06	<0.0010	0.13	896	300	11.1	96.3	<0.10	<0.10	75	<0.00010	<0.010	<0.010	0.118	0.85	0.85	
L10	10/24/2014	759	8.47	<2.0	52	14.1	1670	674	7.27	<0.0010	0.035	844	746	11.5	96.6	<0.10	<0.10	75.8	<0.00010	<0.010	<0.010	0.104	1.02	1.02	
L10	5/29/2015	785	13.7	<10	61	16.4	1820	278	7.7	<0.010	0.07	1050	251	11.2	104	<0.1	<0.05	88	<0.0001	0.001	<0.001	0.111	1.05	1.05	
L10	11/17/2015	833	11.9	<10	203	12.0	1820	778	7.1	0.004	0.21	958	310	13.8	98	<0.1	<0.05	85	<0.0001	0.006	<0.001	0.117	1.13	1.13	
L10	4/24/2016	742	11.7	<2	67	13.7	1760	742	7.54	<0.001	0.16	964	115	13.7	83.9	<0.05	<0.05	57	<0.00002	0.09	<0.005	0.115	1.15	1.15	
L10	11/13/2016	327	7.06	6	60	11.4	1798	323	7.18	0.003	1.62	419	75	8.6	43.4	0.16	<0.05	8	<0.00002	0.05	<0.001	0.088	0.357	0.357	
L10	5/14/2017	789	10.51	<2	175	12.3	1840	829	7.15	<0.001	0.05	898	36	12.5	109	<0.05	<0.05	80	<0.00002	0.01	0.002	0.541	0.241	0.241	
L10	19-W015	10/10/2019	769	11.7	<3	74	11.9	1750	806	7.79	<0.002	0.07	959	50	13.8	91	<0.5	<0.5	21	<0.00002	0.12	<0.005	0.127	1.21	1.21
L10	20-W018	4/29/2020	757	11.7	<3	75	12.4	1800	817	7.50	<0.002	0.05	986	40	14.2	116	0.08	<0.05	67	<0.00002	0.10	0.002	0.129	1.19	1.19
L10	20-W027	10/13/2020	744	12.5	<3	67	8.9	1790	712	7.42	<0.002	0.09	982	40	13.2	111	0.05	<0.05	67	<0.00002	0.10	0.002	0.122	1.06	1.06
L10	21-W015	4/16/2021	771	12.1	<3	57	12.7	1790	806	7.67	<0.002	0.10	984	24	13.4	114	<0.05	<0.05	73	<0.00002	0.10	0.002	0.135	1.18	1.18
L10	21-W041	2/1-2/21	784	12	<2	54	16.9	1710	807	7.67	<0.002	0.05	939	74	14.2	110	0.09	<0.10	74	<0.00002	0.11	0.002	0.131	1.15	1.15
L11	11/1/2002	384	0.41	<0.5	-	-	766	436	7.45	-	-	476	-	0.49	16	<0.2	<0.2	40	-	<0.005	<0.002	0.479	0.025	0.025	
L11	7/1/2003	455	0.36	nd	-	-	1.8	919	505	7.29	-	524	-	0.55	19	0.3	-	49	-	nd	nd	0.582	0.041	0.041	
L11	10/1/2003	526	0.35	nd	-	-	2.4	873	526	7.16	-	570	-	0.54	22	1.2	-	38.1	-	0.058	nd	0.718	0.046	0.046	
L11	4/1/2004	560	-	nd	-	-	2.1	911	524	7.15	<0.001	0.16	586	-	0.64	21	0.8	-	15.7	-	nd	nd	0.524	0.035	0.035
L11	11/1/2004	440	-	nd	-	-	2.7	760	418	7.93	-	454	-	0.54	21	0.8	-	15.7	-	nd	nd	0.524	0.035	0.035	
L11	5/1/2007	552	0.1	<2	-	-	4.2	1090	513	6.95	-	718	-	1	9	4.12	-	29.8	<0.00002	<0.01	0.0004	0.762	0.188	0.188	
L11	8/1/2007	506	0.32	2	-	-	2.0	1110	531	6.58	-	733	-	0.7	10	0.9	-	29	<0.00002	0.12	0.003	0.766	0.082	0.082	
L11	10/1/2007	520	0.51	<2	32	3.0	967	520	6.37	-	-	638	-	0.3	17	6.32	-	17	<0.00002	0.01	0.002	0.541	0.241	0.241	
L11	6/1/2008	448	0.15	<2	5	3.4	1030	520	6.98	-	-	564	-	1	11	1.2	-	34	-	<0.01	0.003	0.783	0.098	0.098	
L11	9/1/2008	520	0.3	<2	5	3.3	1040	540	6.99	-	-	572	-	0.8	12	0.3	-	30	-	<0.01	0.003	0.758	0.102	0.102	
L11	11/1/2008	516	0.32	4	-	-	1.7	989	533	7.17	-	544	-	1.7	11	1.1	<0.1	18	-	0.04	<0.03	0.728	0.072	0.072	
L11	4/1/2009	502	0.39	<2	10	3.0	1050	602	7.15	<0.001	-	578	-	10	10	2.2	-	37	<0.00002	0.02	0.001	0.756	0.08	0.08	
L11	4/1/2009	475	0.4	<2	-	-	2.5	1060	600	7.21	<0.001	-	583	-	2	10	2.2	-	37	<0.00002	0.03	0.011	0.787	0.089	0.089
L11	11/1/2009	472	0.77	<2	<5	2.1	930	489	6.73	<0.001	-	512	360	1.2</											

Historical Overburden Groundwater Analytical Results

PARAMETERS	Alkalinity	N - Ammonia	BOD	COD	DOC	Conductivity	Hardness	pH	Phenols	Phosphorus (total)	Total Dissolved Solids	Total Suspended Solids	Total Kjeldahl - N	Chloride	N - Nitrate	N - Nitrite	Sulphate	Mercury	Aluminum	Arsenic	Barium	Boron		
																							Units	mg/L
Groundwater Sampling Location	Sample ID	Date	ODWS	30-500	5	3	5	0.2	1	AO	1	1	1	AO	10	1	1	1	1	0.00002	0.1	0.0001	0.001	
OW15S	4/15/2010		606	0.05	3	-	4.2	1310	639	7.83	<0.001	-	718	8700	6.93									
OW15S	6/1/2011		520	0.57	10	185	3.9	1510	600	7.43	<0.001	26	833	155000	6	73	0.1	<0.1	<0.1	<0.0002	0.06	0.0029	0.472	0.273
OW15S	11/11/2011		547	0.42	9	122	3.7	1260	602	7.57	<0.001	-	692	12000	1.1	78	0.2	<0.1	<0.1	0.0001	0.11	0.001	0.397	0.303
OW15S	5/24/2012		547	0.738	9	356	3.6	1270	610	7.43	<0.001	10.4	696	42300	3	76	<0.1	<0.1	<0.0002	0.06	0.0006	0.62	0.305	
OW15S	11/6/2012		547	0.352	13	1080	4.1	1180	539	7.52	<0.001	-	689	56700	3.3	78	0.2	<0.1	<0.1	<0.0002	0.34	0.002	0.396	0.285
OW15S	7/11/2013		570	0.31	30	40	4.0	1270	-	7.56	<0.005	4.83	826	-	0.66	75	<0.10	<0.10	<0.0001	-	<0.001	0.36	0.32	
OW15S	10/25/2013		524	0.434	<2.0	177	4.5	1260	592	7.56	<0.001	-	732	28000	0.59	89	<0.10	-	<0.0010	44.7	<0.0010	0.34	0.305	
OW15S	6/20/2014		468	0.573	<2.0	41	3.6	1190	597	7.31	<0.015	0.061	689	16800	-	71	0.11	<0.10	<0.0010	<0.010	<0.0010	0.352	0.274	
OW15S	10/23/2014		443	0.407	<2.0	17	3.1	976	536	7.33	<0.0010	4.16	667	125000	0.77	70	0.35	<0.10	<0.0010	<0.010	<0.0010	0.318	0.281	
OW15S	11/17/2015		632	0.13	57	317	4.3	1340	686	7.5	<0.004	10.7	870	141000	0.9	75	<0.1	<0.05	<0.001	<0.001	<0.001	0.02	0.48	0.245
OW15S	12/1/2016		630	0.24	<3.0	188	5.3	1340	535	7.6	<0.004	4.68	772	51000	0.5	73	<0.1	<0.05	<0.001	<0.001	<0.001	0.003	0.431	0.243
OW15S	7/31/2017		641	0.23	5	65	3.7	1260	598	7.5	<0.002	39.8	756	92300	2.3	75	<0.1	<0.05	<0.001	<0.001	0.001	0.002	0.387	0.264
OW15S	11/16/2017		641	<0.04	66	42	4.2	1270	611	7.4	<0.002	10.5	676	42200	0.8	79	<0.10	<0.10	<0.0001	<0.001	0.001	0.003	0.454	0.198
OW15S	4/24/2018		550	0.29	4	19	5.9	1280	656	7.86	<0.001	11.4	678	116000	0.7	73	<0.05	<0.05	<0.0002	0.08	0.0012	0.414	0.235	
OW15S	11/13/2018		542	0.08	8	168	5.2	1280	636	7.62	<0.002	13.8	693	190000	1	71	<0.05	<0.05	<0.0002	0.08	0.0027	0.468	0.266	
OW15S	4/24/2018	Low Flow	568	0.05	<2	9	5.6	1280	652	7.85	<0.001	1.08	678	1090	0.3	74	<0.05	<0.05	<0.0002	0.08	<0.0005	0.345	0.237	
OW15S	5/14/2019		537	0.03	4	450	10.8	1240	695	7.54	<0.002	3.94	670	507000	48.1	71	<0.05	<0.05	<0.0002	0.08	0.0028	0.454	0.253	
OW15S	19-W026	10/9/2019	560	0.11	<3	1900	8.6	1250	670	7.88	<0.002	130	673	12000	4.4	94	<0.05	<0.05	<0.0002	0.08	0.0029	0.485	0.286	
OW15S	20-W004	4/29/2020	532	0.05	4	550	4.4	1270	668	7.69	<0.002	33.8	685	36200	2.2	73.6	0.07	<0.05	<0.0002	0.08	0.0021	0.434	0.249	
OW15S	20-W041	10/14/2020	546	0.06	<3	250	3.6	1230	566	7.83	<0.002	26.6	666	40800	1.3	71.2	<0.05	<0.05	<0.0002	0.08	0.0010	0.427	0.283	
OW15S	21-W002	4/15/2021	515	0.11	<3	178	4.0	1250	668	7.61	<0.002	14.9	676	36000	1.4	71.5	<0.05	<0.05	<0.0002	0.04	0.0011	0.415	0.246	
OW15S	21-W023	20-Oct-21	574	0.19	<3	123	3.7	1200	664	7.73	<0.002	21.9	647	45100	2.0	70.4	<0.05	0.06	<0.0002	0.10	0.0016	0.449	0.281	
OW15D	4/15/2010		545	0.38	3	-	3.5	1230	605	7.43	<0.001	-	675	3460	0.74	69	<0.1	<0.1	<0.0002	0.10	0.0012	0.585	0.278	
OW15D	6/1/2011		538	0.58	<2	<5	3.7	1290	599	7.44	<0.001	0.11	707	20	0.8	75	<0.1	<0.1	<0.0002	0.04	0.0013	0.612	0.316	
OW15D	11/11/2011	DUP	537	0.56	<2	6	3.7	1280	597	7.43	<0.001	3.11	704	36	0.9	74	0.1	<0.1	<0.0002	0.04	0.0013	0.606	0.315	
OW15D	5/24/2012		548	0.7	4	6	3.7	1280	609	7.43	<0.001	-	703	-	1	78	<0.1	<0.1	<0.0002	0.07	0.0014	0.562	0.303	
OW15D	5/24/2012		547	0.705	5	8	3.7	1270	615	7.37	<0.001	1.46	697	2500	11.8	77	<0.1	<0.1	0.00009	0.07	0.0011	0.535	0.305	
OW15D	11/6/2012		547	<0.788	2	<5	3.9	1220	583	7.47	<0.001	-	695	720	0.9	80	<0.1	<0.1	<0.0002	0.4	0.0014	0.53	0.299	
OW15D	10/25/2013		547	0.69	<5	4	4.2	1240	595	7.4	<0.005	1.35	695	74	0.83	74	<0.1	<0.10	-	-	<0.01	0.501	0.31	
OW15D	6/20/2014		536	0.847	<2.0	42	4.5	1230	608	7.47	<0.001	-	727	1730	-	68	<0.10	<0.10	<0.0010	-	-	0.521	0.291	
OW15D	10/23/2014		473	0.747	<2.0	25	3.7	1200	583	7.19	0.0041	1.87	659	3740	-	71	<0.10	<0.10	<0.0010	<0.010	<0.0010	0.444	0.261	
OW15D	10/23/2014		512	0.771	<2.0	14	3.3	1150	534	7.3	<0.0010	0.955	663	7380	1.07	69	<0.10	<0.10	<0.0010	<0.010	<0.0010	0.468	0.204	
OW15D	11/17/2015		550	0.86	<2	76	3.6	1220	614	7.4	<0.001	4.22	760	8510	1	72	<0.1	<0.05	<0.0001	<0.001	<0.001	0.501	0.238	
OW15D	12/1/2016		547	0.93	<2	103	4.2	1220	536	7.4	<0.002	6.29	734	19200	0.3	68	<0.1	<0.05	<0.0001	<0.001	0.001	0.506	0.233	
OW15D	7/31/2017		544	0.91	<2	32	2.3	1170	669	7.3	<0.001	2.22	742	7830	1	72	<0.1	<0.05	<0.001	<0.001	0.001	0.431	0.265	
OW15D	11/16/2017		544	0.92	<2	58	2.8	1160	489	7.2	<0.001	2.81	684	7100	1.2	75	<0.1	<0.05	<0.001	<0.001	0.001	0.469	0.173	
OW15D	4/24/2018	Low Flow	484	0.98	<2	28	<0.2	1130	541	7.74	<0.001	4.8	599	35000	1.2	73	<0.05	<0.05	<0.0002	0.08	0.0006	0.457	0.238	
OW15D	11/13/2018		457	1	4	11	3.6	1140	551	7.4	<0.001	10.1	604	42200	0.8	79	<0.05	<0.05	<0.0002	0.08	0.0008	0.464	0.241	
OW15D	19-W002	5/14/2019	463	0.90	<3	62	5.2	1150	595	7.42	<0.002	3.92	619	9300	1.3	70	<0.05	<0.05	<0.0002	0.08	0.0008	0.477	0.256	
OW15D	19-W027	10/19/2019	460	1.08	<3	31	5.8	1130	569	7.78	<0.002	0.80	605	28000	1.3	91	<0.05	<0.05	<0.0002	0.1	0.0007	0.447	0.235	
OW15D	20-W005	4/28/2020	457	1.02	<3	43	4.3	1140	565	7.54	<0.002	3.91	610	84000	13.7	65.5	0.05	<0.05	<0.0002	0.07	0.0007	0.454	0.247	
OW15D	20-W042	10/14/2020	476	1.09	<3	92	3.0	1130	548	7.67	<0.002	0.58	610	6100	1.4	66.9	<0.05	<0.05	<0.0002	0.08	0.0007	0.455	0.232	
OW15D	21-W003	4/14/2021	458	1.12	<3	8	5.0	1160	595	7.51	<0.002	28.5	642	4080	1.3	66.6	<0.05	<0.05	<0.0002	0.08	0.0008	0.477	0.243	
OW15D	21-W024	20-Oct-21	523	1.10	<3	8	4.2	1150	597	7.60	<0.002	1.47	619	3300	1.3	70.1	<0.05	0.06	<0.0002	0.08	0.0008	0.470	0.251	
OW16	Has Never Been Sampled		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
OW17	6/1/2011		285	<0.05	3	16	1.1	655	388	8.08	<0.001	6.7	360	15000	1.5	10	<0.2	<0.1	55	<0.0002	1.11	0.0006		

Historical Overburden Groundwater Analytical Results

PARAMETERS			Alkalinity	N - Ammonia	BOD	COD	DOC	Conductivity	Hardness	pH	Phenols	Phosphorus (total)	Total Dissolved Solids	Total Suspended Solids	Total Kjeldahl - N	Chloride	N - Nitrate	N - Nitrite	Sulfate	Mercury	Aluminum	Arsenic	Barium	Boron	
Groundwater Sampling Location	Sample ID	Date	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
			ODWS	30-500 DO	0.01	3	5	0.2	1	AO	80-100 DO	6.5 - 8.5 DO	0.002	0.01	500 AO	3	3	0.1	0.5	10 CS	0.05	0.05	1	5	
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
OW22	11/17/2015			245	0.06	<2	58	<0.5	507	267	7.8	<0.001	1.48	298	1660	0.4	8	<0.05	21	<0.0001	<0.001	<0.001	0.268	0.023	
OW22	12/1/2016			227	0.12	<2	41	<0.5	469	205	8	<0.001	2.25	320	5690	0.3	4	<0.1	<0.05	38	<0.0001	<0.001	0.123	0.085	
OW22	7/31/2017			717	4.23	N/A	73	9.4	1420	910	7.4	0.008	0.24	902	436	4.4	85	<0.1	<0.05	119	<0.0001	<0.001	0.156	0.266	
OW22	4/25/2018			507	1.8		72	4.6	1430	575	7.85	<0.001	0.24	778		2.8	93	1.72	<0.05	114	<0.00002	0.08	0.0086	0.167	0.26
OW22-D	7/4/2016			540	0.98	<30	130	3.0	1230	579	7.2	0.003	5.97	702	20700	1.3	69	<0.1	<0.05	48	<0.0001	<0.001	0.512	0.218	
OW22-S	7/4/2016			627	0.12	<60	326	3.8	1350	666	7.3	<0.010	3.56	546	339000	0.6	72	<0.1	<0.05	44	<0.0001	0.109	0.003	0.522	0.208
OW22	12/1/2016			227	0.12	<2	41	<0.5	469	910	7.4	<0.001	2.25	320	310	0.3	4	<0.1	<0.05	38	<0.00010	<0.001	<0.0010	0.117	0.13
OW22	7/31/2017			717	4.23	N/A	73	9.4	1420	575	7.85	<0.001	0.24	902	436	4.4	85	<0.1	<0.05	119	<0.00010	0.001	<0.0010	0.156	0.266
OW22	4/25/2018			507	1.8		72	4.6	1430	575	7.85	<0.001	0.24	778		2.8	93	1.72	<0.05	114	<0.00002	0.06	0.0086	0.167	0.260
OW22	5/14/2019		dry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OW22	10/9/2019		dry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OW22	4/29/2020		dry	614	1.23		56	7.9	1620	647	7.83	0.004	0.28	888	102	3.8	107	9.83	0.07	53	<0.00002	0.11	0.0003	0.154	0.299
OW22	10/14/2020		dry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OW22	4/15/2021		dry	615	0.19		9	6.0	1890	802	7.46	<0.002	0.39	1040	150	2.9	139	18.0	0.15	107	<0.00002	0.12	0.0005	0.214	0.30
OW22	21/10/2021		dry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OW23	11/17/2015		DUP	216	0.18	<2	75	<0.5	464	242	8	<0.001	3.66	464	8470	0.8	4	<0.1	<0.05	37	<0.0001	<0.001	<0.001	0.103	0.114
OW23	11/17/2015		DUP	244	0.07	<2	76	<0.5	459	265	7.8	<0.001	3.1	248	2670	0.7	72	<0.1	<0.05	46	<0.0001	<0.001	<0.001	0.501	0.238
OW23	7/4/2016			246	0.07	<2	73	<0.5	516	268	7.7	<0.001	1.92	392	9470	0.2	6	0.9	<0.05	20	<0.0001	<0.001	<0.001	0.284	0.025
OW23	7/31/2017			232	0.13	3	31	0.5	467	246	7.9	<0.001	2	380	4820	0.4	5	<0.1	<0.05	38	<0.0001	0.09	<0.001	0.122	0.08
OW23	11/16/2017			235	0.1	7	45	1.1	472	234	7.9	<0.001	1.25	362	2610	0.2	5	<0.1	<0.05	40	<0.0001	0.09	<0.001	0.14	0.063
OW23	4/24/2018			211	0.21	3	25	2.1	462	245	8.19	<0.001	5.1	244	16900	0.7	5	0.06	<0.05	36	<0.00002	0.04	0.0005	0.122	0.065
OW23	11/14/2018			208	0.13	7	87	3.0	470	240	7.92	<0.001	4.33	243	8000	0.7	5	<0.05	<0.05	36	<0.00002	0.03	0.0007	0.132	0.071
OW23	5/14/2019			198	0.14	<3	34	2.9	464	256	8.05	<0.002	1.80	240	4700	0.4	5	0.10	<0.05	35	<0.00002	0.04	0.0005	0.140	0.068
OW23	19-W028	10/9/2019		203	0.18	<3	37	2.9	466	250	8.05	<0.002	1.63	241	27000	0.5	3	<0.05	<0.05	38	<0.00002	0.06	0.0006	0.155	0.072
OW23	20-W036	4/29/2020		191	0.09	4	<5	1.9	465	253	8.0	<0.001	0.05	240	3700	0.2	5.8	0.15	<0.05	37	<0.00002	0.03	0.0006	0.138	0.068
OW23	20-W040	10/14/2020		204	0.18	3	45	1.1	470	239	7.85	<0.002	0.74	243	1180	0.2	5.7	0.08	<0.05	38	<0.00002	0.05	0.0006	0.164	0.061
OW23	21-W008	4/15/2021		189	0.17	<3	<5	1.8	470	264	8.10	<0.002	0.87	243	1200	0.2	5.3	0.07	<0.05	40	<0.00002	0.04	0.0006	0.13	0.063
OW23	21-W032	10/20/2021		200	0.07	<3	<5	1.0	366	267	8.02	<0.002	0.04	188	<3	0.1	4	<0.05	<0.05	40	<0.00002	0.03	0.0005	0.135	0.068
OW24	11/17/2015			313	0.26	5	52	4.6	533	327	7.7	<0.001	1.03	404	1670	0.1	4	<0.1	<0.05	36	<0.00002	0.04	0.0003	0.186	0.068
OW24	7/4/2016			303	0.23	3	31	2.0	627	324	7.6	0.002	0.24	364	310	0.5	6	<0.1	<0.05	32	<0.00001	<0.001	0.007	0.192	0.04
OW24	12/1/2016			288	0.06	<2	3	2.4	598	264	7.8	<0.001	0.33	374	248	0.3	6	<0.1	<0.05	39	<0.00001	<0.001	<0.001	0.159	0.045
OW24	8/2/2017			290	0.33	<30	165	5.2	555	318	7.7	<0.001	1.86	372	18500	2.1	7	<0.1	<0.05	47	<0.00001	0.003	<0.001	0.14	0.031
OW24	11/16/2017			307	0.1	<2	134	1.7	616	243	8.0	<0.001	0.49	400	300	0.1	8.05	0.45	<0.05	48	<0.00001	0.004	0.003	0.129	0.037
OW24	4/24/2018			260	0.12	4	42	4.4	570	239	8.12	<0.001	0.04	302	2040	0.5	6	0.05	0.06	<0.00002	0.06	<0.00002	0.006	0.137	0.051
OW24	11/13/2018			253	0.3	9	210	3.7	590	223	7.92	0.003	5.1	306	6600	10.8	8	0.13	<0.05	42	<0.00002	0.04	0.0019	0.137	0.048
OW24	4/24/2018		Low Flow	264	0.1	<2	5	3.5	579	259	8.07	<0.001	0.06	306	12	0.2	6	<0.05	<0.05	36	<0.00002	0.05	0.0015	0.159	0.043
OW24	5/14/2019			235	0.34	<3	26	8.1	619	203	7.83	<0.002	0.39	321	750	0.7	8	0.10	<0.05	74	<0.00002	0.04	0.0018	0.105	0.073
OW24	19-W025	10/14/2020		237	0.29	5	710	4.8	578	307	8.06	<0.002	3.03	300	24000	1.5	8	<0.05	<0.05	55	<0.00002	0.09	0.0013	0.058	0.081
OW24	20-W003	4/29/2020		235	0.19	4	58	3.3	564	246	7.97	<0.002	1.65	292	4200	0.8	9.1	0.20	<0.05	44	<0.00002	0.03	0.0010	0.138	0.049
OW24	20-W029	10/13/2020		248	0.26	<3	224	3.3	575	265	8.03	<0.002	3.57	298	7500	1.3	8.9	0.07	<0.05	43	<0.00002	0.07	<0.0011	0.178	0.051
OW24	4/15/2021		well damaged	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OW24R01	10/20/2021			267	0.07	<3	<5	2.4	537	310	7.92	<0.002	0.13	278	39	0.1	6.0	<0.05	<0.05	45	<0.00002	0.05	<0.0001	0.263	0.046
OW25	11/17/2015		DUP	244	0.07	<2	76	<0.5	459	265	7.8	<0.001	3.1	248	2670	0.7	<1	0.80	<0.05	6	<0.0001	<0.001	<0.001	0.394	0.018
OW25	11/17/2015		DUP	243	0.05	<6	91	<0.5	455	261	7.7	<0.001	3	292	2680	0.6	<1	0.80	<0.05	5	<0.0001	<0.001	<0.001	0.398	0.016
OW25	7/5/2016			220	0.07	<30	63	<0.5	416	213	7.7	<0.001	1.11	246	5570	<0.1	1	0.60	<0.05	6	<0.0001	<0.001	<0.001	0.396	

Historical Overburden Groundwater Analytical Results

Groundwater Sampling Location	Sample ID	Date	PARAMETERS		Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Potassium	Silver	Sodium	Strontium	Uranium	Vanadium	Zinc	Temperature (field)	pH (field)	DO (field)	Conductivity (field)	Un-ionized Ammonia (field)	
			Units	mg/L																						
			RL	0.000015																						
L10	8/1/2002	<0.0001	199	0.007	0.0006	0.0025	<0.03	<0.0005	98	0.025	4.8	<0.0001	94.3	1.59	0.0004	0.0108	<0.005	<0.005	<0.005	-	-	-	-	-	-	
L10	11/1/2002	<0.0001	264	<0.005	<0.0001	0.0008	9.34	<0.0005	99.8	0.102	4.5	<0.0001	97.1	1.6	0.0002	0.0008	<0.005	<0.005	<0.005	-	-	-	-	-	-	
L10	7/1/2003	nd	284	-	-	nd	9.21	nd	100	0.111	5.1	-	96	-	-	-	0.011	-	-	-	-	-	-	-	-	
L10	10/1/2003	nd	283	-	-	nd	8.88	nd	91.4	0.070	4.7	-	90.7	-	-	-	0.005	-	-	-	-	-	-	-	-	
L10	5/1/2004	nd	283	nd	0.0002	0.0012	10.2	0.001	96.3	0.119	4.9	nd	94.8	1.62	0.0002	nd	0.008	-	-	-	-	-	-	-	-	
L10	11/1/2004	nd	278	nd	nd	0.0006	9.84	nd	99.3	0.108	4.6	nd	103	1.42	0.0002	0.0013	nd	-	-	-	-	-	-	-	-	
L10	5/1/2005	<0.0002	218	-	-	<0.002	5.9	<0.0002	84.5	0.136	21.5	-	94.4	-	-	-	0.008	-	-	-	-	-	-	-	-	
L10	8/1/2007	<0.0002	212	-	-	0.003	0.123	<0.0002	89.9	0.073	14.7	-	107	-	-	-	0.014	-	-	-	-	-	-	-	-	
L10	10/1/2007	<0.0002	208	-	-	<0.002	6.82	<0.0002	84.9	0.114	21.1	-	36.1	-	-	-	<0.005	-	-	-	-	-	-	-	-	
L10	6/1/2008	<0.0002	199	0.0112	-	<0.002	8.51	0.00035	88.6	0.073	18	-	99.1	-	-	-	0.016	-	-	-	-	-	-	-	-	
L10	9/1/2008	<0.0002	207	<0.002	-	<0.002	8.9	0.00058	89.4	0.088	23.9	-	94	-	-	-	0.009	-	-	-	-	-	-	-	-	
L10	11/1/2008	<0.005	212	0.0138	-	<0.002	6.59	<0.0002	93	0.08	29.9	-	88.7	-	-	-	<0.005	-	-	-	-	-	-	-	-	
L10	4/1/2009	<0.0002	212	0.0138	-	<0.002	6.71	<0.0002	93	0.078	32	0.00008	94	0.97	0.00029	-	<0.005	-	-	-	-	-	-	-	-	
L10	11/1/2009	<0.0002	201	0.004	-	<0.002	9.06	<0.0002	86.8	0.068	31.1	-	84.3	-	-	-	<0.005	-	-	-	-	-	-	-	-	
L10	4/15/2010	<0.0002	162	<0.002	-	<0.002	8.22	<0.0002	84.8	0.084	32.4	-	79.8	-	-	-	<0.005	-	-	-	-	-	-	-	-	
L10	12/6/2010	<0.0002	169	<0.002	-	<0.002	10.7	0.0004	77.2	0.078	30.5	-	61.4	-	-	-	<0.005	-	-	-	-	-	-	-	-	
L10	6/1/2011	<0.0002	189	0.0058	-	<0.002	8.58	0.0001	86.7	0.068	37	-	73.6	-	-	-	<0.005	-	-	-	-	-	-	-	-	
L10	5/30/2012	0.0005	196	<0.002	-	<0.002	4.23	0.0001	79.4	0.072	34.2	-	70.2	-	-	-	0.007	-	-	-	-	-	-	-	-	
L10	7/11/2013	<0.0001	204	0.005	-	<0.001	7.96	<0.001	76	0.07	32	-	76	-	-	-	<0.01	-	-	-	-	-	-	-	-	
L10	10/25/2013	-	194	-	-	-	7.99	<0.0005	75.9	0.0674	32	-	72.8	-	-	-	-	-	-	-	-	-	-	-	-	
L10	6/20/2014	<0.00090	206	<0.0050	-	<0.0010	8.44	<0.0005	72.3	0.0647	35	<0.00010	75.2	-	-	-	<0.0030	-	-	-	-	-	-	-	-	
L10	10/24/2014	<0.00090	185	<0.0050	-	<0.0010	6.65	<0.0050	62.4	0.0558	33.1	<0.00010	65.2	-	-	-	<0.0030	-	-	-	-	-	-	-	-	
L10	10/24/2014	<0.00090	165	<0.0050	-	<0.0010	6.58	<0.0050	63.8	0.0639	31.2	<0.00010	66.3	-	-	-	<0.0030	-	-	-	-	-	-	-	-	
L10	5/29/2015	<0.0001	194	0.009	0.0006	0.0008	8.06	<0.0001	81.3	0.063	25.3	<0.0001	79.3	0.724	0.0004	0.0175	<0.005	-	-	-	-	-	-	-	-	
L10	11/17/2015	<0.0001	165	0.02	<0.0005	0.0007	8.21	<0.0005	76.8	0.048	38.3	<0.0001	79.1	0.991	0.0004	0.0136	<0.005	-	-	-	-	-	-	-	-	
L10	11/30/2016	<0.0001	202	<0.001	<0.0005	0.0006	6.96	<0.0001	66.6	0.069	34.6	<0.0001	71	0.691	0.0003	0.0007	<0.005	-	-	-	-	-	-	-	-	
L10	4/24/2018	<0.0001	190	<0.0001	0.0005	0.0005	7.29	<0.0002	65	0.064	36.6	<0.0002	87	0.739	0.00042	<0.005	<0.005	-	-	-	-	-	-	-	-	-
L10	11/13/2018	<0.0002	81	<0.0001	0.0002	0.0002	2.22	<0.0002	29.3	0.131	13.9	<0.0001	31	0.338	<0.00005	<0.005	<0.005	-	-	-	-	-	-	-	-	-
L10	19-W015	19-W015	209	0.002	0.0004	0.0023	8.55	<0.0001	70.7	0.070	36.7	<0.0001	86.3	0.991	0.00033	0.006	<0.005	-	-	-	-	-	-	-	-	-
L10	19-W037	10/10/2019	0.000061	206	<0.001	0.0009	<0.0003	8.45	<0.0002	70.7	0.068	40.7	<0.0002	92.2	0.926	0.00046	<0.005	<0.005	-	-	-	-	-	-	-	-
L10	20-W018	4/29/2020	<0.00015	214	0.002	0.0007	<0.0001	8.53	<0.0004	68.7	0.064	39.1	<0.0001	95.6	0.899	0.00043	<0.005	<0.005	-	-	-	-	-	-	-	-
L10	20-W027	10/13/2020	<0.00015	199	<0.001	0.0006	0.0003	7.07	0.0004	52.1	0.062	36.1	<0.0001	84.8	0.750	0.00043	0.0008	<0.005	-	-	-	-	-	-	-	-
L10	21-W015	4/16/2021	<0.00015	217	<0.001	0.0006	0.0005	8.45	<0.0004	64.0	0.067	38.3	<0.0001	97.5	0.829	0.00059	0.0008	<0.005	-	-	-	-	-	-	-	-
L10	21-W041	10/21/2021	<0.00015	215	<0.001	0.0003	8.87	<0.0001	64.9	0.065	37.3	<0.0001	98.7	0.919	0.00039	0.0005	<0.005	-	-	-	-	-	-	-	-	-
L11	7/1/2002	<0.0001	124	<0.005	0.0071	0.0006	0.26	<0.0005	30.8	0.799	3.1	<0.0001	7	0.215	0.0007	<0.0005	<0.005	-	-	-	-	-	-	-	-	-
L11	7/1/2003	nd	146	-	-	nd	0.93	nd	33.8	0.905	3.5	-	8.5	-	-	-	nd	-	-	-	-	-	-	-	-	-
L11	10/1/2003	nd	153	-	-	nd	0.008	0.2	0.008	35.1	0.997	3.8	-	10.3	-	-	nd	-	-	-	-	-	-	-	-	-
L11	5/1/2004	nd	156	nd	0.0132	0.0006	0.05	0.001	32.8	0.942	5.2	nd	1.1	0.334	0.001	nd	nd	-	-	-	-	-	-	-	-	-
L11	11/1/2004	nd	121	nd	0.0058	nd	0.15	nd	28	0.757	3.4	nd	7.5	0.231	0.0007	nd	nd	-	-	-	-	-	-	-	-	-
L11	5/1/2007	<0.0002	182	-	-	<0.002	0.359	<0.0002	38.3	0.671	12.2	-	14.9	-	-	-	0.068	-	-	-	-	-	-	-	-	-
L11	8/1/2007	0.00011	158	-	-	<0.004	0.085	0.0022	32.9	0.459	8.7	-	9.6	-	-	-	0.016	-	-	-	-	-	-	-	-	-
L11	10/1/2007	<0.0002	161	<0.002	-	<0.002	0.087	<0.0002	40	0.534	19.3	-	16.3	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
L11	9/1/2008	<0.0002	159	0.0054	-	<0.004	0.034	0.00056	30.1	0.561	10.5	-	8.6	-	-	-	0.017	-	-	-	-	-	-	-	-	-
L11	9/1/2008	<0.0002	161	<0.002	-	<0.002	0.094	0.00033	33.1	0.644	8.6	-	9.2	-	-	-	0.01	-	-	-	-	-	-	-	-	-
L11	11/1/2008	<0.005	185	<0.002	-	<0.002	0.466	<0.0002	-	0.709	8.3	-	9.5	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
L11	4/1/2009	<0.0002	184	0.0008	-	<0.002	0.086	<0.0002	34.1	0.617	12.2	<0.0002	6.6	0.428	0.00103	-	<0.005	-	-	-	-	-	-	-	-	-
L11	4/1/2009	<0.0002	184	<0.002	-	<0.002	0.072	<0.0002	34.1	0.561	12.3	<0.0002	6.6	0.422	0.00084	-	<0.005	-	-	-	-	-	-	-	-	-
L11	11/1/2009	<0.0002	144	<0.002	-	<0.002	0.017	<0.0002	31.5	0.561	7.8	-	7.3	-	-	-	0.018	-	-	-	-	-	-	-	-	-
L11	4/15/2010	0.00006	191	<0.002	-	<0.002	0.008	0.00008	35.1	0.662	10.9	-	8.3	-	-	-	0.007	-	-	-	-	-	-	-	-	-
L11	12/6/2010	<0.0002	138	<0.002	-	<0.002	0.071	0.00002	32.5	0.567	9.1	-	9.1	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
L11	6/1/2011	<0.0007	173	0.0032	-	<0.002	0.052	0.00016	34.5	0.595	11.5	-	6.6	-	-	-	0.05	-	-	-	-	-	-	-	-	-
L11	11/11/2011	0.0001	138	<0.002	-	<0.002	0.034	0.00014	30.6	0.495	7.9	-	7.8	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
L11	5/30/2012	0.00004	148	<0.002	-	<0.002	0.096	-	30.9	0.437	5.9	-	5.1	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
L11	7/1/2013	<0.0001	169	0.003	-	<0.003	0.016	0.0001	31	0.35	6	-	8	-	-	-	0.02	-	-	-	-	-	-	-	-	-
L11	7/11/2013	<0.0001	160	0.001	-	<0.001	<0.001	0.001	31	0.41	5	-	8	-	-	-	0.02	-	-	-	-	-	-	-	-	-
L11	10/25/2013	-	157	-	-	-	<0.050	<0.0050	32.8	0.32	5.5	-	9.36	-	-	-	-	-	-	-	-	-	-	-	-	-
L11	6/20/2014	0.000132																								

Historical Overburden Groundwater Analytical Results

PARAMETERS		Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Potassium	Silver	Sodium	Strontium	Uranium	Vanadium	Zinc	Temperature (Field)	pH (Field)	DO (Field)	Conductivity (Field)	Un-ionized Ammonia (Field)	
Groundwater Sampling Location	Sample ID	Date	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	pH Units	mg/L	mS/cm	mg/L	
			RL	0.00015	0.02	0.01	0.0001	0.0001	0.005	0.0002	0.02	0.001	0.1	0.0001	0.2	0.001	0.0005	0.001	5	15	6.5-8.5	-	-
			CS	CS	CS	CS	AO	AO	CS	AO	CS	AO	AO	AO	CS	AO	AO	AO	AO	AO	AO	AO	
OW15S		4/15/2010	<0.0002	158	<0.002	-	<0.002	1.55	0.0006	59.4	0.114	5.4	-	49.3	-	-	<0.005	-	-	-	-	-	
OW15S		6/1/2011	0.0004	150	0.0042	-	<0.002	1.99	0.0029	54.9	0.302	9	-	46.4	-	-	<0.005	-	-	-	-	-	
OW15S		11/1/2011	0.0005	149	<0.002	-	<0.002	3	0.0015	55.6	0.729	6.6	-	53.2	-	-	<0.005	-	-	-	-	-	
OW15S		5/24/2012	0.0012	157	<0.002	-	<0.002	1.63	0.0005	52	0.329	8.9	-	44.2	-	-	<0.005	-	-	-	-	-	
OW15S		11/6/2012	<0.0002	133	<0.0002	-	-	0.0009	1.84	0.0001	50	0.182	-	50.2	-	-	<0.005	-	-	-	-	-	
OW15S		7/11/2013	<0.0001	163	0.002	-	<0.001	1.15	<0.001	54	0.16	7	-	52	-	-	<0.01	-	-	-	-	-	
OW15S		10/25/2013	-	154	-	-	-	2.62	<0.0005	50.2	0.127	6.7	-	47.4	-	-	-	-	-	-	-	-	
OW15S		6/20/2014	<0.00090	148	<0.0050	-	<0.0010	0.862	<0.0050	46.7	0.312	7.6	-	<0.0010	42.9	-	-	<0.0030	-	-	-	-	
OW15S		10/29/2014	<0.00090	136	<0.0050	-	<0.0010	0.554	<0.0050	48.1	0.198	7.7	-	<0.0010	44.2	-	-	<0.0030	-	-	-	-	
OW15S		11/17/2015	<0.0001	151	<0.001	<0.0005	<0.0005	1.84	<0.0001	74.7	0.038	<10000	<0.0001	41.7	1.1	<0.0001	0.0088	<0.005	-	-	-	-	
OW15S		12/1/2016	<0.0001	116	<0.001	<0.0005	<0.0005	1.77	<0.0001	59.5	0.048	3.3	<0.0001	33.4	0.772	<0.0001	<0.0005	<0.005	-	-	-	-	
OW15S		7/3/2017	<0.0001	124	0.003	<0.0005	<0.0005	1.99	<0.0001	69.9	0.038	3.23	<0.0001	39.3	0.784	<0.0001	0.0056	<0.005	-	-	-	-	
OW15S		11/16/2017	<0.0001	135	<0.001	<0.0005	<0.0005	2.4	<0.0001	66.5	0.051	2.86	<0.0001	40.3	0.885	<0.0001	<0.0005	<0.005	-	-	-	-	
OW15S		4/24/2018	<0.000059	142	<0.0001	<0.0001	<0.3	1.74	<0.0002	73.2	0.042	3.3	0.0002	43.9	0.867	<0.0005	<0.005	<0.005	-	-	-	-	
OW15S		11/13/2018	<0.00002	138	<0.0001	0.0003	0.0006	1.7	0.0005	70.7	0.044	3.8	<0.0001	42.6	0.839	0.0006	<0.005	<0.005	-	-	-	-	
OW15S		4/24/2018	<0.000059	142	<0.0001	<0.0001	0.0004	2.27	<0.0002	72.2	0.042	3.2	<0.0002	43.7	0.833	<0.0005	<0.005	<0.005	-	-	-	-	
OW15S		5/14/2019	<0.00015	152	0.001	0.0001	0.0005	1.92	0.0005	76.6	0.046	3.5	<0.0001	42.2	0.886	<0.0005	<0.005	<0.005	7.55	7.32	0.00	1.27	
OW15S		10/9/2019	<0.000029	150	<0.0001	0.0005	0.0002	1.84	<0.00009	71.8	0.047	4.1	<0.0001	44.4	0.845	0.00029	0.005	<0.005	12.12	5.69	5.52	1.94	
OW15S		4/29/2020	<0.000015	150	<0.0001	0.0002	<0.0001	2.18	<0.00004	71.2	0.045	3.4	<0.0001	41.9	0.788	0.00008	<0.0005	<0.005	7.42	7.24	6.97	1.32	
OW15S		10/14/2020	<0.000015	145	<0.0001	0.0001	0.0004	1.97	<0.00004	70.6	0.043	4.1	<0.0001	38.2	0.754	0.00007	0.0002	<0.005	11.43	7.74	8.89	0.801	
OW15S		4/15/2021	<0.000015	148	<0.0001	0.0001	0.0008	2.44	0.00008	72.4	0.046	3.3	<0.0001	41.8	0.833	<0.00005	<0.0001	<0.005	8.59	7.21	18.73	1.16	
OW15S		20-Oct-21	<0.000015	150	<0.0001	0.0002	0.0005	1.75	0.00005	70.4	0.050	4.1	<0.0001	44.4	0.849	0.00008	0.0005	<0.005	12.74	6.75	8.14	1.23	
OW15D		4/15/2010	<0.0002	157	<0.002	-	<0.002	1.74	0.0004	51.7	0.185	7.9	-	40.6	-	-	<0.005	-	-	-	-	-	
OW15D		6/1/2011	<0.0002	150	0.0041	-	<0.002	1.81	0.0005	54.2	0.202	8.7	-	45	-	-	<0.005	-	-	-	-	-	
OW15D		11/1/2011	<0.0002	150	<0.002	-	<0.002	1.8	0.0006	54	0.206	8.6	-	44.7	-	-	<0.005	-	-	-	-	-	
OW15D		11/11/2011	<0.0002	155	<0.002	-	<0.002	1.92	0.0011	53.5	0.201	8.5	-	46.5	-	-	<0.005	-	-	-	-	-	
OW15D		5/24/2012	0.0008	158	<0.002	-	<0.002	1.37	0.0005	53.3	0.198	8.3	-	44.9	-	-	<0.005	-	-	-	-	-	
OW15D		11/6/2012	<0.0002	149	<0.0002	-	0.0007	2.13	0.0011	50.9	0.21	9	-	42.3	-	-	<0.005	-	-	-	-	-	
OW15D		7/11/2013	<0.0001	151	0.002	-	<0.001	1.83	<0.001	52	0.18	9	-	49	-	-	<0.01	-	-	-	-	-	
OW15D		10/25/2013	-	154	-	-	-	1.81	<0.0050	54.4	0.225	8.5	-	46.7	-	-	-	-	-	-	-	-	
OW15D		6/20/2014	<0.00090	156	<0.0050	-	<0.0010	1.85	<0.0050	46.9	0.221	8.4	-	<0.0010	42	-	-	<0.0030	-	-	-	-	
OW15D		10/23/2014	<0.00090	137	<0.0050	-	<0.0010	1.89	<0.0050	46.8	0.206	8.3	-	<0.0010	40.8	-	-	<0.0030	-	-	-	-	
OW15D		11/17/2015	<0.0001	159	0.001	<0.0005	<0.0005	2.38	<0.0001	53.2	0.079	<10000	<0.0001	41.3	0.672	0.002	0.0092	<0.005	<0.005	8.33	6.79	0.00	1.32
OW15D		12/1/2016	<0.0001	119	<0.001	<0.0005	<0.0005	1.85	<0.0001	60.4	0.129	8.13	<0.0001	32	0.495	0.0025	<0.0005	<0.005	<0.005	-	-	-	-
OW15D		7/3/2017	<0.0001	181	0.003	<0.0005	<0.0005	1.89	<0.0001	52.8	0.108	7.87	<0.0001	43.6	0.496	0.0024	0.0063	<0.005	-	-	-	-	
OW15D		11/16/2017	<0.0001	124	<0.0001	<0.0005	<0.0005	2.49	<0.0001	43.7	0.181	6.11	<0.0001	37.1	0.54	0.0024	<0.0005	<0.005	-	-	-	-	
OW15D		4/24/2018	<0.000059	139	<0.0001	0.0004	<0.3	1.87	<0.0002	47.2	0.144	9.2	<0.0002	41.5	0.535	0.00242	<0.005	<0.005	-	-	-	-	
OW15D		4/24/2018	<0.000059	135	<0.0001	<0.0005	<0.0005	1.61	0.0002	46.2	0.146	9.4	<0.0001	41.8	0.525	0.0024	<0.005	<0.005	-	-	-	-	
OW15D		11/13/2018	<0.00002	138	<0.0001	0.0005	0.0003	1.82	0.0003	47.2	0.145	9.2	<0.0001	39.1	0.517	0.00239	<0.005	<0.005	-	-	-	-	
OW15D		5/14/2019	<0.000015	154	0.007	0.0004	<0.0001	1.87	0.00002	51.2	0.189	9.4	<0.0001	41.4	0.594	0.00213	<0.005	<0.005	8.75	6.82	0.00	1.19	
OW15D		10/9/2019	<0.000029	147	<0.0001	0.0008	0.0009	2.07	0.00013	49.1	0.181	9.7	<0.0001	42.7	0.542	0.00261	0.008	0.005	9.61	5.96	0.00	1.94	
OW15D		4/29/2020	<0.000015	153	<0.0001	0.0005	<0.0001	1.92	0.00005	76.6	0.046	3.5	<0.0001	42.2	0.824	0.00249	<0.0001	<0.005	8.33	6.79	0.00	1.32	
OW15D		20-W042	<0.000015	147	<0.0001	0.0005	0.0010	1.74	0.00008	49.4	0.157	10.0	<0.0001	36.6	0.499	0.00232	<0.0001	<0.005	8.03	7.59	6.67	0.778	
OW15D		21-W003	<0.000015	145	<0.0001	0.0005	0.0010	2.14	0.00008	50.4	0.217	9.2	<0.0001	41.9	0.541	0.00244	<0.0001	<0.005	9.67	6.84	2.07	1.16	
OW15D		21-W024	<0.000015	155	<0.0001	0.0005	0.0002	2.04	0.00020	51.0	0.211	9.4	<0.0001	44.4	0.554	0.00230	<0.0001	<0.005	11.55	6.75	4.95	1.12	
Has New Beam Sampled																							
OW17		6/1/2011	0.0003	98.9	0.0077	-	0.004	1.51	0.00087	34.1	0.114	2.1	-	9.3	-	-	<0.008	-	-	-	-	-	
OW17		11/1/2011	0.0005	85.1	<0.002	-	<0.002	0.919	0.0006	33	0.016	2	-	8.6	-	-	<0.005	-	-	-	-	-	
OW17		5/24/2012	0.0006	77.1	<0.002	-	<0.002	0.068	0.0011	29.9	0.018												

Historical Overburden Groundwater Analytical Results

Groundwater Sampling Location	Sample ID	Date	PARAMETERS																	Temperature (field)	pH (field)	DO (field)	Conductivity (field)	Un-ionized Ammonia (field)	
			Units	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Potassium	Silver	Sodium	Strontium	Uranium	Vanadium	Zinc						
				mg/L 0.000015 0.005 CS	mg/L 0.02	mg/L 0.001	mg/L 0.0001	mg/L 0.001	mg/L 0.005 AO CS	mg/L 0.01	mg/L 0.02	mg/L 0.001	mg/L 0.05 AO	mg/L 0.1	mg/L 0.0001	mg/L 0.2 AO (a)	mg/L 0.001	mg/L 0.0005	mg/L 0.001						mg/L 0.005
OW22	11/17/2015		<0.0001	65.6	<0.001	<0.0005	<0.0005	<0.100	<0.0001	25	<0.0005	<10000	<0.0001	<20000	0.117	0.0007	0.0037	<0.005							
OW22	12/1/2016		<0.0001	44.9	<0.001	<0.0005	<0.0005	<0.100	<0.0001	22.6	<0.0005	<10000	<0.0001	<20000	0.117	0.0007	0.0037	<0.005							
OW22	7/31/2017		<0.0001	292	0.002	0.0061	<0.0005	1.97	<0.0001	43.8	2.35	21.3	<0.0001	64.2	0.477	0.0011	0.0051	<0.005							
OW22-D	4/25/2018		<0.0001	161	<0.001	0.0068	0.0028	<0.0005	0.0006	42	0.002	25.5	<0.0002	81.3	0.497	0.00165	0.017	<0.005							
OW22-S	7/4/2016		<0.0001	145	<0.001	<0.0005	<0.0005	2.11	<0.0001	52.9	0.109	8.18	<0.0001	39.2	0.507	0.0022	<0.0005	<0.005							
OW22-S	7/4/2016		<0.0001	141	<0.001	<0.0005	<0.0005	1.14	0.0002	76	0.065	3.74	<0.0001	38.6	0.767	0.0004	0.0011	<0.005							
OW22	12/1/2016		<0.1	44900	<0.001	<0.5	<0.5	<100	<0.0001	22600	14	1720	<0.0001	6120				<0.005							
OW22	7/31/2017		<0.0001	292000	0.002	0.0061	<0.5	1970	<0.0001	43800	2.35	21300	<0.0001	64.2	477	0.0011	5.1	<0.005							
OW22	4/25/2018		0.054	181000	<0.001	0.0068	0.0028	<0.0005	0.0006	42000	2.35	25500	<0.0002	81.3	497	0.00165	17	<0.005							
OW22	5/14/2019	dry																							
OW22	10/9/2019	dry																							
OW22	20-W014	4/29/2020	0.000022	205	<0.001	0.0016	0.0062	0.236	0.0015	32.7	0.576	29.9	<0.0001	141	0.426	0.00067	<0.0001	<0.005							
OW22	21-W012	10/14/2020																							
OW22	21-W012	4/15/2021	0.000024	254	<0.001	0.0005	0.0068	0.021	0.00013	40.7	0.157	29.9	<0.0001	134	0.552	0.00091	<0.0001	<0.005							
OW23	11/17/2015		<0.0001	61.4	<0.001	<0.0005	<0.0005	<0.100	<0.0001	27.5	0.012	<10000	<0.0001	<20000	0.516	0.001	0.0026	<0.005							
OW23	11/17/2015	DUP	<0.0001	158	<0.001	<0.0005	<0.0005	2.36	<0.0001	53.2	0.079	<10000	<0.0001	41.3	0.672	0.002	0.0092	<0.005							
OW23	7/4/2016		<0.0001	65.8	<0.001	<0.0005	<0.0005	<0.100	<0.0001	25.1	<0.0005	<10000	<0.0001	3.36	0.119	0.0008	0.0026	<0.005							
OW23	7/31/2017		<0.0001	52.7	<0.0001	<0.0005	<0.0005	<0.100	<0.0001	27.7	0.021	1.72	<0.0001	6.44	0.407	0.0004	0.0014	<0.005							
OW23	11/16/2017		<0.0001	52.6	<0.0001	<0.0005	<0.0005	0.106	<0.0001	25	0.015	1.64	<0.0001	7.88	0.464	0.0003	<0.0005	<0.005							
OW23	4/24/2018		<0.000015	54.1	<0.0001	<0.0001	0.0001	0.107	0.0002	26.7	0.013	1.7	<0.0001	6.9	0.441	0.00045	<0.005	<0.005							
OW23	11/14/2018		<0.00002	53.1	<0.0001	<0.0001	0.0002	0.169	<0.0002	26.2	0.014	1.8	<0.0001	6.8	0.463	0.00032	<0.005	<0.005							
OW23	5/14/2019	19-W007	<0.000015	56.2	<0.001	<0.0001	0.0002	0.077	0.0004	28.1	0.013	1.8	<0.0001	6.6	0.478	0.00035	<0.005	<0.005	7.33	7.88	2.42	0.47	<	<	<
OW23	10/9/2019	19-W028	<0.000015	54.3	<0.001	0.0002	0.0004	0.134	0.00008	27.9	0.015	2.0	<0.0001	7.5	0.516	0.00034	<0.005	<0.005	10.24	6.57	4.69	0.852	<	<	<
OW23	20-W006	4/29/2020	<0.000015	56.1	<0.001	0.0001	0.0002	0.002	<0.0002	21.5	0.037	1.7	<0.0001	6.0	0.477	0.00035	<0.0001	<0.005	<0.005	7.75	7.57	3.77	0.568	<	<
OW23	20-W040	10/14/2020	<0.000015	55.0	<0.001	0.0001	0.0009	0.008	<0.0003	28.8	0.013	2.1	<0.0001	6.5	0.473	0.00029	0.0001	<0.005	<0.005	8.87	7.94	9.54	0.322	<	<
OW23	21-W008	4/15/2021	<0.000015	59.4	<0.001	<0.0001	0.0009	0.146	0.00003	28.1	0.015	1.7	<0.0001	6.7	0.479	0.00038	<0.0001	<0.005	<0.005	8.64	7.8	5.09	0.464	<	<
OW23	21-W032	10/20/2021	<0.000015	61.2	<0.001	<0.0001	0.0006	0.103	<0.0002	27.7	0.016	2.1	<0.0001	6.7	0.445	0.0004	<0.0001	<0.006	<0.005	16.95	7.8	3.15	0.49	<	<
OW24	10/20/2021		<0.0001	62.8	<0.001	<0.0005	<0.0005	0.283	<0.0001	29.1	0.523	20.4	<0.0001	59.2	0.752	0.0035	0.0041	<0.005							
OW24	7/4/2016		<0.0001	78	<0.001	<0.0005	<0.0005	1.3	<0.0001	28.3	0.286	1.84	<0.0001	7.4	0.564	0.0006	<0.0005	<0.005							
OW24	12/1/2016		<0.0001	65.6	<0.001	<0.0005	<0.0005	0.115	<0.0001	24.3	0.136	1.76	<0.0001	4.85	0.562	0.0004	<0.0005	<0.005							
OW24	8/2/2017		<0.0001	81.7	<0.0001	<0.0005	<0.0005	0.374	<0.0001	27.8	0.094	1.18	<0.0001	11.4	0.549	0.0005	<0.0005	<0.005							
OW24	11/16/2017		<0.0001	60.4	<0.0001	<0.0005	<0.0005	0.374	<0.0001	22.5	0.129	1.13	<0.0001	14.8	0.534	0.0011	<0.0005	<0.005							
OW24	4/24/2018		<0.000015	71	<0.0001	0.0002	<0.0001	0.208	<0.0002	26.8	0.026	1.5	<0.0001	17	0.538	0.00121	<0.0005	<0.005							
OW24	11/13/2018		<0.00002	64.2	<0.0001	0.0002	0.0005	0.321	<0.0002	21.2	0.037	1.9	<0.0001	49.2	0.429	0.00091	<0.005	<0.005							
OW24	4/24/2018	Low Flow	<0.000015	53.5	<0.0001	0.0002	0.0004	0.248	<0.0002	24.4	0.047	1.6	<0.0001	29.9	0.482	0.00207	<0.005	<0.005							
OW24	5/14/2019	19-W005	<0.000015	49.8	0.001	0.0002	0.0008	3.35	0.00008	19.0	0.341	1.1	<0.0001	72.7	0.413	0.00217	<0.005	<0.005	6.99	7.18	0.00	0.67	<	<	<
OW24	19-W025	10/9/2019	<0.00002	56.5	<0.001	0.0001	0.0002	0.005	<0.0002	21.5	0.037	1.7	<0.0001	6.3	0.474	0.00035	<0.005	<0.005	9.56	6.35	12.42	1.02	<	<	<
OW24	20-W003	4/29/2020	<0.000015	60.6	0.002	0.0003	0.0011	0.372	<0.0002	23.0	0.136	1.5	<0.0001	43.8	0.437	0.00160	<0.005	<0.005	7.72	7.41	14.56	0.578	<	<	<
OW24	20-W029	10/13/2020	<0.000015	69.5	<0.001	0.0002	0.0007	0.435	0.00010	22.3	0.069	1.7	<0.0001	20.0	0.492	0.00115	0.0010	<0.005	<0.005	10.28	7.94	10.85	0.387	<	<
OW24	4/15/2021	well damaged	<0.000015	79.8	<0.001	<0.0001	<0.0001	0.610	<0.0002	26.9	0.044	1.4	<0.0001	7.8	0.569	<0.00005	<0.0001	<0.005	<0.005	10.46	7.15	1.86	0.560	<	<
OW24R01	21-W028		<0.0001	72.3	<0.001	0.0007	<0.0005	<0.100	<0.0001	20.4	0.023	<10000	<0.0001	<20000	0.079	0.002	0.0032	<0.005							
OW25	11/17/2015	DUP	<0.0001	70.3	<0.001	0.0007	<0.0005	<0.100	<0.0001	20.7	0.023	<10000	<0.0001	<20000	0.078	0.003	0.0036	<0.005							
OW25	7/5/2016		<0.0001	55.7	<0.001	<0.0005	<0.0005	<0.100	<0.0001	18	<0.0005	1.08	<0.0001	1.03	0.066	0.0002	<0.0005	<0.005							
OW25	12/1/2016		<0.0001	49.1	<0.0001	<0.0005	<0.0005	<0.100	<0.0001	49.1	<0.0005	1.13	<0.0001	0.92	0.022	<0.0005									

Historical Bedrock Groundwater Analytical Results

PARAMETERS			Alkalinity	N - Ammonia	BOD	COD	DOC	Conductivity	Hardness	pH	Phenols	Phosphorus (total)	Total Dissolved Solids	Total Suspended Solids	N - Total Kjeldahl	Chloride	N - Nitrate	N - Nitrite	Sulphate	Mercury	Aluminum	Arsenic	Barium	Boron	
Groundwater Sampling Location	Sample ID	Date	Units	mg/L	mg/L	mg/L	mg/L	µmho/cm	1	pH Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
			RL (2020)	5	0.01	3	5	0.2	1	1	6.5 - 8.5	0.02	0.01	3	3	0.1	0.5	0.05	0.05	1	0.0002	0.01	0.001	0.001	0.005
			OG	30-500			5	80-100	OG			500	AO	AO	250	10	1	500	0.01	0.1	0.1	1	5		
122 Turk Rock Road	20-W036	5/31/2012	238	<0.005	7	12	1.3	553	280	7.95	<0.01	<0.01	304	2	0.4	33.3	6.1	<0.1	31	<0.0002	0.05	0.0003	0.08	0.006	
122 Turk Rock Road		11/1/2012	247	0.005	3	29	2	313	280	7.9	<0.001	<0.01	318	<2	0.2	3.6	5.8	<0.1	32	<0.0002	0.04	0.0004	0.073	<0.005	
122 Turk Rock Road		10/13/2020	227	0.04	<3	<5	8.1	568	286	8.04	<0.002	<0.01	294	3	<0.1	13.7	<0.05	<0.05	54	<0.0002	0.05	<0.0001	0.088	0.01	
122 Turk Rock Road		10/21/2021	not sampled/ not provided access																						
151 Briar Hill Rd	DUP	5/1/2007	340	<0.05	<2	-	4	860	449	7.47	-	-	567	-	0.1	56	1.37	-	21.5	<0.0002	0.1	0.0002	0.062	0.02	
151 Briar Hill Rd		8/1/2007	348	<0.05	<2	-	1.3	868	386	7.25	-	-	573	-	1	61	1.4	-	25	<0.0002	0.02	0.0001	0.062	0.008	
151 Briar Hill Rd		10/1/2007	348	<0.05	<2	-	2.2	878	390	6.84	-	-	580	-	0.1	67	1.9	-	25	<0.0002	0.01	0.0002	0.053	<0.005	
151 Briar Hill Rd		11/1/2008	333	<0.05	<2	-	0.8	827	392	7.91	-	-	455	-	0.2	120	0.1	-	22	<0.0002	0.03	<0.001	0.059	<0.005	
151 Briar Hill Rd		4/1/2009	317	<0.05	<2	-	-	851	411	7.7	<0.001	-	468	-	0.3	64	1.8	-	21	<0.0002	<0.01	0.0002	0.046	0.011	
151 Briar Hill Rd		11/1/2009	342	<0.05	<2	-	1.3	852	378	7.15	-	-	469	2	<0.1	64	2.2	-	22	<0.0002	<0.01	0.0002	0.056	<0.005	
151 Briar Hill Rd		4/15/2010	328	<0.05	<2	-	1.1	806	380	7.84	-	-	443	10	<0.05	54.8	2.1	-	22	<0.0002	<0.01	<0.0001	0.056	0.005	
151 Briar Hill Rd		4/15/2010	328	<0.05	<2	-	1.1	809	383	7.92	-	-	445	2	<0.05	54.9	2.1	-	22	<0.0002	<0.01	<0.0001	0.057	0.005	
151 Briar Hill Rd		12/10/2010	312	0.14	<2	-	1	794	341	7.79	<0.001	-	437	-	<0.1	44.2	2.1	-	17	<0.0002	0.03	0.0002	0.051	0.005	
151 Briar Hill Rd		6/1/2011	330	<0.05	<2	-	1.1	809	387	7.98	<0.001	<0.01	445	4	0.2	54	1.5	-	17	<0.0002	0.03	0.0002	0.057	0.006	
151 Briar Hill Rd		11/1/2011	324	<0.05	7	-	0.9	797	418	8.05	<0.001	-	438	-	<0.1	50	2.1	-	19	<0.0002	0.0001	0.0001	0.063	0.01	
151 Fortune Line Rd		DUP	5/1/2007	220	0.2	<2	-	3.3	986	355	7.56	-	-	651	-	0.2	93	0.243	-	144	<0.0002	<0.01	0.0012	0.03	0.324
151 Fortune Line Rd			8/1/2007	240	0.12	<2	-	2.2	1070	361	7.42	-	-	707	-	0.2	110	0.2	-	130	<0.0002	0.02	0.0003	0.036	0.335
151 Fortune Line Rd	10/1/2007		240	0.15	<2	-	1.7	1050	355	6.91	-	-	694	-	<0.1	165	<0.1	-	146	<0.0002	<0.01	0.0003	0.031	0.343	
151 Fortune Line Rd	11/1/2008		227	0.06	<2	-	1.4	1070	369	7.94	-	-	588	-	0.2	120	0.1	-	161	<0.0002	<0.01	<0.03	0.031	0.358	
151 Fortune Line Rd	11/1/2009		236	0.05	<2	-	1.7	1020	358	7.78	-	-	559	10	0.2	106	<0.1	-	164	<0.0002	<0.01	0.0004	0.028	0.312	
151 Fortune Line Rd	4/15/2010		210	<0.05	<2	-	1.3	960	353	8.04	<0.001	-	528	18	0.05	93.8	<0.1	-	168	<0.0002	<0.01	0.0009	0.026	0.299	
151 Fortune Line Rd	12/9/2010		225	0.22	<2	-	6	1.1	1140	358	8.05	<0.001	-	629	-	0.2	126	<0.1	-	167	<0.0002	0.03	<0.0001	0.031	0.368
151 Fortune Line Rd	5/31/2012		224	0.08	8	10	1.3	1020	363	7.97	<0.001	<0.01	560	196	12.4	104	0.1	-	<0.1	159	<0.0002	0.03	0.0013	0.076	0.312
151 Fortune Line Rd	11/1/2012		235	0.09	<2	-	1.7	1120	366	7.9	<0.001	-	594	10	0.3	118	<0.1	-	145	<0.0002	0.02	0.0019	0.03	0.331	
151 Fortune Line Rd	4/15/2013		240	0.08	<2	-	5	2.1	1070	370	8.02	<0.001	<0.01	596	30	0.4	103	<0.1	-	167	<0.0002	<0.01	<0.001	0.077	0.4
151 Fortune Line Rd	12/7/2021		238	0.02	<3	-	6	4.7	1060	3	8.08	<0.002	<0.01	568	<3	0.1	107	<0.05	<0.05	133	<0.0002	<0.01	<0.0001	0.031	0.391
1757 Summers Road	1757 Summers	4/1/2010	416	<0.05	<2	-	2.5	823	359	7.72	<0.001	-	453	2	0.14	18.9	4.4	<0.1	30	<0.0002	<0.01	0.0002	0.231	0.051	
1757 Summers		7/12/2013	392	<0.02	-	<5	2.9	831	-	7.98	<0.001	<0.01	540	-	0.15	15	3.19	<0.10	32	<0.0002	<0.01	<0.0001	0.21	0.07	
408 Fortune Line Rd.	408 Fortune Line Rd.	12/9/2010	311	0.07	<2	-	1.2	910	398	7.83	<0.001	-	501	-	<0.1	69	0.1	-	53	<0.0002	0.03	0.0002	0.084	0.068	
408 Fortune Line Rd.		6/1/2011	430	<0.05	<2	-	1.3	957	487	8.04	<0.001	0.04	526	4	0.1	80	0.1	-	66	<0.0002	0.04	0.0003	0.11	0.08	
408 Fortune Line Rd.		5/31/2012	327	<0.005	5	18	1.3	904	430	7.81	<0.001	<0.01	497	<2	10.7	67.7	0.6	-	57	<0.0002	0.04	0.0003	0.1	0.07	
408 Fortune Line Rd.		7/12/2013	324	<0.02	-	<5	1.6	830	-	8.01	<0.001	<0.01	540	-	<0.10	57	<0.10	-	52	<0.0002	-	<0.001	0.1	0.08	
BW1	DUP	5/1/2007	340	0.27	4	-	10.9	1060	300	7.5	-	-	702	-	0.9	39.3	0.149	-	151	<0.0002	0.01	0.0052	0.165	0.532	
BW1		8/1/2007	328	0.19	6	-	5.3	1020	246	7.47	-	-	674	-	0.6	40	0.5	-	140	0.0005	0.07	0.0003	0.043	0.499	
BW1		10/1/2007	340	<0.05	5	-	14.1	1040	259	7.24	-	-	688	-	0.7	96	0.4	-	158	<0.0002	0.02	0.0116	0.042	0.505	
BW1		6/1/2008	296	0.08	<2	-	3.6	878	370	7.98	-	-	445	44	0.8	116	0.1	-	81	<0.0002	0.02	0.0002	0.033	0.475	
BW1		9/1/2008	308	<0.05	<2	-	7	2.7	726	371	7.66	-	-	399	-	0.2	18	0.1	-	52	-	0.69	0.028	0.095	0.472
BW1		11/1/2008	230	<0.05	4	-	1.9	570	245	7.91	-	-	314	-	0.2	14	<0.1	-	49	-	<0.01	<0.03	0.043	0.523	
BW1		4/1/2009	199	<0.05	<2	-	1.8	511	229	7.98	<0.001	-	281	-	0.1	13	0.2	-	45	<0.0002	0.02	0.0003	0.035	0.506	
BW1		11/1/2009	208	<0.05	<2	-	2.2	514	222	7.74	<0.001	-	283	25	<0.1	13	<0.1	-	45	<0.0002	<0.01	0.0003	0.041	0.52	
BW1		4/15/2010	258	<0.05	2	-	4.1	808	276	7.84	<0.001	0.06	373	36	0.7	18	<0.1	-	54	<0.0002	0.02	0.0002	0.051	0.551	
BW1		12/7/2010	220	0.18	<2	-	5.2	2.2	553	238	8.22	<0.001	-	304	-	0.2	16	<0.1	-	46	<0.0002	0.01	0.0014	0.051	0.579
BW1		6/1/2011	350	<0.05	<2	-	4.1	845	407	7.98	<0.001	0.05	465	36	0.2	32	<0.1	-	52	<0.0002	0.04	0.0039	0.086	0.602	
BW1		11/1/2011	316	0.07	<2	-	19	4.3	780	320	8.09	<0.001	-	429	-	0.3	32	0.1	-	56	<0.0002	0.04	0.0113	0.07	0.622
BW1		11/1/2011	315	0.08	<2	-	18	4.4	776	319	8.01	<0.001	-	427	-	0.4	32	0.1	-	56	<0.0002	0.03	0.0106	0.07	0.628
BW1		5/30/2012	362	0.088	<2	-	22	4.4	853	398	7.84	<0.001	<0.01	469	118	<0.1	37	<0.1	-	49	<0.0002	0.02	0.0009	0.086	0.617
BW1		11/1/2012	361	0.08	<2	-	5	2.8	874	399	7.84	<0.001	<0.01	469	30	0.4	28.4	<0.1	-	47	<0.0002	0.02	0.0009	0.086	0.617
BW1																									

Historical Surface Water Analytical Results

Surface Water Sampling Location	Date Sampled	Sample ID	Alkalinity	Ammonia (N)	Ammonia(U) (N)(lab)	BOD	COD	DOC	Conductivity	Hardness	pH	Phenols	Phosphorus (total)	Phosphorus, total dissolved	TDS	TSS	N - Total Kjeldahl	Chloride	N - Nitrate	N - Nitrite	Sulphate	Aluminum - Dissolved	Mercury	Arsenic	Barium	Boron												
			Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µmho/cm	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L											
			RL	5	0.01	0.01	3	5	0.2	1	1	0.001	0.01	0.002	3	3	0.1	0.5	0.05	0.05	1	0.01	0.0002	0.0001	0.001	0.005												
			PWQO	(note a)	0.02						6.5-8.5	0.001	0.02									0.075 ^(b)	0.0002	0.005	0.001	0.2												
			Table A: Aquatic Protection Value								6.0 - 9.0				0.04 ^(b)								180				100											
			Table B: Canadian Water Quality Guideline								0.004 ^(b)								128				2.9				0.06											
SW1	8/1/2002		233	0.21	<0.005	1.4	39	11.3	450	244	7.72	-	0.48	-	27.4	12	1.04	6.1	0.2	<0.2	3.4	-	-	<0.002	0.127	0.014												
SW1	11/1/2002		182	0.24	<0.005	0.9	22	7.7	434	223	7.94	-	0.044	-	146	8	0.77	7.6	0.4	<0.2	34.5	-	-	<0.002	0.095	0.014												
SW1	7/1/2003		206	0.1	0.01	1.9	-	8.7	442	230	7.94	-	0.163	-	260	-	0.71	5.8	0.2	-	20.8	-	-	nd	0.15	0.02												
SW1	8/1/2003		227	0.06	nd	1.7	-	4.6	493	273	7.89	-	0.125	-	270	-	0.6	11.1	nd	-	37.2	-	-	nd	0.168	0.022												
SW1	10/1/2003		185	nd	nd	0.7	-	10.2	462	247	7.92	-	0.075	-	302	-	0.92	6.9	3.3	-	52.4	-	-	nd	0.129	0.013												
SW1	5/1/2004		133	0.06	nd	1.1	-	7.9	282	170	7.98	-	0.105	-	200	9	87	4.6	1.6	-	16.8	-	-	nd	0.086	0.011												
SW1	5/1/2004		135	0.07	nd	0.9	-	8.3	276	172	7.93	-	0.105	-	202	9	82	4.6	1.7	-	15.7	-	-	nd	0.088	0.04												
SW1	8/1/2004		216	0.04	nd	1.1	-	8.5	465	308	7.7	-	0.08	-	274	6	0.7	7.3	nd	-	20.3	-	-	nd	0.165	0.024												
SW1	11/1/2004		198	0.03	nd	0.8	-	8.1	430	229	8.1	-	0.04	-	240	-	0.68	6.5	1.8	-	20.5	-	-	nd	0.104	0.012												
SW1	11/1/2004		200	0.03	nd	0.8	-	8.1	430	236	8.19	-	0.048	-	262	-	0.66	7	1.9	-	21	-	-	nd	0.097	0.009												
SW1	5/1/2007		228	<0.05	<0.05	<2	-	7.1	479	244	7.66	-	<0.01	-	316	-	0.7	6.3	0.3	-	16	-	<0.0003	<0.0005	0.155	0.022												
SW1	8/1/2007		212	<0.05	<0.05	<2	-	3.1	516	238	7.8	-	0.03	-	341	-	0.5	9	0.2	-	19	-	0.00006	0.0009	0.183	0.018												
SW1	10/1/2007		204	<0.05	<0.05	<2	-	7.7	455	237	7.22	-	0.09	-	300	-	0.6	12	0.2	-	22	-	<0.00003	<0.0005	0.163	0.014												
SW1	6/1/2008		196	<0.05	<0.05	3	30	10.8	412	214	8.04	-	<0.01	-	227	16	1.3	5	0.2	-	11	-	-	<0.0005	0.12	0.016												
SW1	9/1/2008		214	<0.05	<0.05	<2	12	9.1	470	245	7.32	-	0.04	-	258	<2	0.5	8	0.4	-	18	-	-	<0.0005	0.152	0.019												
SW1	11/1/2008		203	0.08	<0.05	<2	-	9.1	443	228	7.98	-	<0.01	-	244	-	0.8	6	0.9	-	<0.1	22	-	-	<0.03	0.102	0.006											
SW1	11/1/2008		202	<0.05	<0.05	<2	-	9.2	445	233	8.05	-	0.05	-	245	-	0.9	6	0.9	-	<0.1	23	-	-	<0.03	0.104	0.006											
SW1	4/9/2009		154	<0.05	<0.05	<2	<5	7.6	343	176	7.9	<0.001	0.08	-	189	4	0.2	5	0.8	-	<0.1	12	-	<0.0002	0.002	0.087	<0.005											
SW1	7/1/2009		228	<0.05	<0.05	<2	23	7.6	472	257	7.82	<0.001	0.05	-	260	10	0.6	7	0.3	-	<0.1	17	-	<0.0002	<0.0005	0.164	0.015											
SW1	11/16/2009		210	<0.05	<0.05	<2	17	7.5	476	237	7.67	<0.001	0.04	-	262	20	0.4	7	0.6	-	<0.1	26	-	<0.0003	<0.0005	0.124	<0.005											
SW1	6/1/2010		208	0.05	-	<2	-	9.9	461	232	8.21	<0.001	0.06	-	254	8	0.8	4.6	0.6	-	<0.1	13	0.01	<0.0002	0.0006	0.105	0.015											
SW1	8/17/2010		237	<0.05	<0.05	<2	21	4.6	545	276	8.25	<0.001	0.07	-	300	22	0.5	10	0.4	-	<0.1	27	0.16	<0.0002	0.0007	0.215	0.023											
SW1	11/11/2010		193	0.08	<0.01	<2	21	8.5	424	238	8.14	<0.001	0.02	-	233	16	1.7	6	0.4	-	<0.1	19	0.03	<0.0002	<0.0005	0.113	0.009											
SW1	11/11/2010		193	0.07	<0.01	<2	25	8.5	420	239	8.13	<0.001	0.02	-	231	16	1	6	0.4	-	<0.1	19	0.03	<0.0002	<0.0005	0.114	0.011											
SW1	6/1/2011		232	0.1	<0.05	<2	28	6.3	500	263	7.98	<0.001	0.04	-	275	24	0.8	<1	0.5	-	0.2	14	0.03	<0.0002	0.0005	0.171	0.03											
SW1	8/1/2011		232	0.1	<0.05	<2	26	6.1	499	259	7.98	<0.001	0.02	-	274	26	0.7	<1	0.5	-	0.2	14	0.03	<0.0002	0.0006	0.171	0.03											
SW1	8/19/2011		234	0.01	<0.01	<2	12	4.8	515	278	8.21	<0.001	0.04	-	283	7	0.1	10	0.4	-	<0.1	20	0.03	<0.0002	0.0006	0.239	0.018											
SW1	11/22/2011		211	0.08	<0.01	2	10	6.7	476	240	8.18	<0.001	0.08	-	262	8	0.5	8	0.7	-	<0.1	29	0.02	<0.0002	0.0002	0.133	<0.005											
SW1	5/24/2012		200	0.03	<0.005	6	50	6.6	423	224	8.2	<0.001	0.06	-	233	30	0.7	5.3	0.4	-	<0.1	15	0.02	<0.0002	0.006	0.117	0.015											
SW1	5/24/2012		200	0.049	<0.005	5	68	6.7	423	223	8.19	<0.001	0.06	-	233	26	1	5.2	0.6	-	<0.1	15	0.02	<0.0002	0.0006	0.101	0.013											
SW1	8/7/2012		203	0.047	<0.005	3	12	6.7	474	273	8.34	<0.001	0.06	-	261	4	0.7	8.7	0.8	-	<0.1	30	0.03	<0.0003	0.001	0.213	0.017											
SW1	8/7/2012		<3	0.027	<0.005	<2	12	0.5	1	<1	5.86	<0.001	<0.01	-	<3	<2	<0.1	<0.5	0.1	-	<0.1	<1	<0.01	<0.0002	<0.0001	<0.001	<0.005											
SW1	10/31/2012		220	0.057	<0.005	3	47	4.8	519	280	8.02	<0.001	0.14	-	285	22	0.5	9.4	0.3	-	<0.1	34	0.04	<0.0002	0.0004	0.192	<0.005											
SW1	10/31/2012		221	0.064	<0.005	4	55	5.4	520	279	8.02	<0.001	0.13	-	286	20	0.5	9.3	0.5	-	<0.1	34	0.04	<0.0002	0.0004	0.195	<0.005											
SW1	10/31/2012		<3	0.018	<0.005	<2	29	1.3	1	<1	5.89	<0.001	0.06	-	<3	<2	0.1	<0.5	<0.1	-	<0.1	<1	0.02	<0.0002	<0.0001	<0.001	<0.005											
SW1	7/12/2013		230	0.04	<0.02	<1	23	-	463	-	8.2	<0.001	0.07	-	301	4	0.65	7	0.26	-	<0.10	14	-	<0.0001	<0.001	0.12	0.01											
SW1	10/28/2013		220	0.084	0.00157	<2.0	25	7.6	466	233	8.23	<0.010	0.136	-	265	20.4	0.54	7.3	0.58	-	<0.10	19	-	<0.0010	<0.010	0.101	0.011											
SW1	6/12/2014		116	0.07	0.00102	<2.0	47	12.1	260	141	7.92	0.0016	0.026	-	186	18.4	0.85	6.4	1.2	-	<0.10	5.7	-	<0.0010	<0.010	0.079	0.017											
SW1	10/23/2014		213	<0.050	<0.00028	<2.0	56	8.1	441	236	8.2	<0.010	0.194	-	244	118	0.73	7.8	0.68	-	<0.10	17.3	-	<0.0010	<0.010	0.153	0.014											
SW1	5/28/2015		234	0.24	0.02	2	36	11.1	503	-	8.3	<0.002	0.14	0.01	276	22	0.8	8	0.3	-	0.08	16	0.009	<0.0001	<0.001	0.152	0.024											
SW1	12/3/2015		230	0.04	2.48	<2	22	5.7	499	-	8.1	<0.001	0.06	0.03	290	89	0.5	7	1.7	-	<0.05	34	0.06	<0.0001	<0.001	0.111	0.018											
SW1	7/4/2016		237	0.08	0.005	4	13	3.2	524	-	7.9	0.002	0.06	0.02	306	11	0.4	11	0.3	-	<0.05	25	<0.001	<0.001	0.171	0.025												
SW1	12/1/2016		103	0.05	0.001	2	55	11.4	317	171	7.7	0.002	0.15	0.04	288	58	1.1	5	5.1	-	<0.05	27	0.296	<0.0001	<0.001	0.108	0.016											
SW1	7/17/2017		232	0.07	0.002	<0.001	33	11.2	445	232	7.7	<0.001	0.03	0.02	302	3	0.6	6	0.3	-	<0.05	16	0.01	<0.0001	<0.001	0.107	0.022											
SW1	11/17/2017		228	0.09	0.004	<0.001	31	4.3	449	199	8.1	<0.001	0.02	<0.01	296	3	0.4	7	1.1	-	<0.05	20	0.017	<0.0001	<0.001	0.1	<0.01											
SW1	4/24/2018		170	0.04	<0.01	<2	18	6.6	386	195	8.2	<0.001	0.02	<0.01	199	8	0.4	4.4	1.04	-	<0.05	12	0.04	<0.0002	0.0002	0.101	0.013											
SW1	11/13/2018		195	0.07	0.01	4	18	8.6	486	247	7.98	0.002	0.03	0.02	251	7	0.6	8.1	2.59	-	<0.05	36	0.05	<0.0002	0.0002	0.106	0.008											
SW1																																						

Historical Surface Water Analytical Results

Surface Water Sampling Location	Date Sampled	Sample ID	Alkalinity	Ammonia (N)	Ammonia(U) (N)(lab)	BOD	COD	DOC	Conductivity	Hardness	pH	Phenols	Phosphorus (total)	Phosphorus, total dissolved	TDS	TSS	N - Total Kjeldahl	Chloride	N - Nitrate	N - Nitrite	Sulphate	Aluminum - Dissolved	Mercury	Arsenic	Barium	Boron
Units			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µmho/cm	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
RL	5	0.01	0.01	3	5	0.2	1	1				0.001	0.01	0.002	3	3	0.1	0.5	0.05	0.05	1	0.01	0.0002	0.0001	0.001	0.005
PWQO (note a)					0.02						6.5-8.5		0.001	0.02								0.075 ^(b)	0.0002	0.005		0.2
Table A: Aquatic Protection Value					0.1						6.0 - 9.0		0.04 ^(b)					180			100			0.15	2.3	3.55
Table B: Canadian Water Quality Guideline												0.004 ^(b)						128	2.9	0.06					1.5	
SW3	8/1/2003		252	0.47	0.008	2.8	-	5.8	641	270	7.82	-	0.425	-	368	-	0.97	25.2	0.9	-	35.5	-	-	nd	0.382	0.073
SW3	10/1/2003		203	nd	nd	0.9	-	10.4	504	268	7.82	-	0.099	-	320	-	1.02	10.5	3	-	51.2	-	-	nd	0.172	0.027
SW3	5/1/2004		138	0.09	nd	1.1	-	7.5	0.281	174	7.93	-	0.107	-	178	13	0.88	4.4	1.6	-	16.3	-	-	nd	0.1	0.015
SW3	8/1/2004		244	0.15	0.005	1.6	-	6.7	499	322	7.96	-	0.042	-	318	10	0.77	11.4	0.2	-	19.2	-	-	nd	0.202	0.04
SW3	11/1/2004		208	0.1	nd	0.8	-	8.9	452	242	7.98	-	0.047	-	272	-	0.76	8.3	1.9	-	20.9	-	-	nd	0.119	0.017
SW3	5/1/2007		244	0.24	<-0.05	<-2	-	7	503	260	7.68	-	<0.01	-	332	-	0.8	8.6	0.3	-	17	-	<0.00003	<0.0005	0.177	0.03
SW3	8/1/2007		248	0.2	<-0.05	<-2	-	4	558	267	7.8	-	0.03	-	368	-	0.6	13	0.4	-	22	-	0.00005	0.0013	0.243	0.043
SW3	10/1/2007		244	0.15	<-0.05	5	-	5.9	536	266	7.2	-	0.05	-	354	-	0.7	16	0.4	-	22	-	<0.00003	<0.0005	0.21	0.036
SW3	9/1/2008		252	0.07	<-0.05	<-2	14	8.8	543	273	7.51	-	0.05	-	299	2	0.7	12	0.5	-	21	-	<0.00005	<0.0005	0.197	0.031
SW3	11/1/2008		213	0.1	<-0.05	<-2	-	9.2	466	241	8.06	-	0.07	-	256	-	1	7	0.9	<-0.1	23	-	-	<0.03	0.12	0.013
SW3	4/9/2009		154	<-0.05	<-0.05	<-2	<5	7.5	362	182	7.8	<-0.001	0.06	-	199	6	0.5	6	0.7	<-0.1	13	-	<0.00002	0.0019	0.093	0.03
SW3	7/1/2009		232	<-0.05	<-0.05	<-2	24	7.4	518	268	7.85	<-0.001	0.07	-	285	10	0.5	10	0.4	<-0.1	18	-	<0.00002	<0.0005	0.179	0.025
SW3	11/16/2009		236	0.1	<-0.05	<-2	33	7.5	513	250	7.63	<-0.001	0.04	-	282	22	0.5	10	0.6	<-0.1	27	-	0.00005	<0.0005	0.154	0.014
SW3	6/1/2010		215	0.1	-	<-2	-	9.8	488	241	8	8.1	0.04	-	268	8	0.7	5.9	0.6	<-0.1	14	0.01	<0.00002	0.0005	0.12	0.02
SW3	8/17/2010		269	0.16	<-0.05	<-2	29	4.9	627	307	8.12	<-0.001	0.05	-	345	6	0.7	18	0.5	0.2	28	0.13	<0.00002	0.0005	0.267	0.053
SW3	11/11/2010		200	0.13	<-0.01	<-2	31	8.5	445	247	8.14	<-0.001	0.02	-	245	16	0.7	8	0.4	<-0.1	19	0.03	<0.00002	<0.0005	0.128	0.018
SW3	6/1/2011		248	0.2	<-0.05	<-2	<5	5.9	540	254	7.98	<-0.001	0.03	-	297	16	0.8	<1	0.5	0.2	16	0.03	<0.00002	0.0005	0.178	0.036
SW3	8/19/2011		270	0.17	<-0.01	<-2	12	5	612	331	8.05	0.002	0.02	-	337	4	0.6	19	0.5	0.2	24	0.04	<0.00002	0.0005	0.309	0.059
SW3	8/19/2011		268	0.18	<-0.01	<-2	5	5.1	612	329	8.05	<-0.001	0.04	-	337	4	0.6	19	0.5	0.3	24	0.03	<0.00002	0.0005	0.306	0.058
SW3	11/11/2011		236	0.3	<-0.01	<-2	12	6.6	540	261	7.82	<-0.001	0.02	-	297	8	0.7	12	0.7	<-0.1	30	0.02	<0.00002	0.0003	0.17	<0.005
SW3	5/29/2012		236	0.144	0.011	7	45	6.6	515	260	8.16	<-0.001	0.06	-	283	60	0.5	11.7	0.9	<-0.1	20	0.2	<0.00002	0.0007	0.166	0.052
SW3	5/29/2012		234	0.12	0.009	8	35	6.3	517	260	8.15	<-0.001	0.01	-	284	42	<0.1	11.5	0.7	<-0.1	20	0.01	<0.00002	0.0007	0.166	0.049
SW3	10/31/2012		289	0.052	<0.005	6	63	10.2	1250	796	7.54	<0.001	0.19	-	686	8	0.6	35.6	<0.1	<0.1	351	0.06	<0.00002	0.0007	0.298	0.211
SW4	6/1/2008		214	<-0.05	<-0.05	3	28	10	440	225	8.07	-	<0.01	-	242	6	1.3	6	0.2	-	12	-	-	<0.0005	0.138	0.02
SW4	11/1/2008		211	0.1	<-0.05	<-2	-	9.1	469	240	8.05	-	0.05	-	258	-	1	7	0.9	<-0.1	23	-	-	<0.03	0.118	0.013
SW4	4/9/2009		158	<-0.05	<-0.05	<-2	<5	7.5	365	186	7.91	<-0.001	0.07	-	201	8	0.5	6	0.8	<-0.1	13	-	<0.00002	0.003	0.095	<0.005
SW4	7/1/2009		240	<-0.05	<-0.05	<-2	21	7.4	516	270	8	<-0.001	0.08	-	284	8	0.6	10	0.4	<-0.1	17	-	<0.00002	<0.0005	0.179	0.025
SW4	11/16/2009		234	0.11	<-0.05	<-2	17	7.3	514	249	7.72	<-0.001	0.04	-	283	6	0.5	10	0.6	<-0.1	27	-	0.00004	<0.0005	0.146	0.014
SW4	11/16/2009		228	0.11	<-0.05	<-2	23	7.6	515	252	7.68	<-0.001	0.04	-	283	4	0.5	10	0.6	<-0.1	27	-	0.00004	<0.0005	0.147	0.014
SW4	6/1/2010		215	0.09	-	14	-	9.9	488	243	8.14	<-0.001	0.03	-	268	10	0.8	5.9	0.6	<-0.1	14	<0.01	<0.00002	<0.0005	0.12	0.021
SW4	8/17/2010		266	0.09	<-0.05	<-2	5	4.9	610	303	8.23	<-0.001	0.4	-	336	6	2.1	18	0.5	0.2	27	0.09	<0.00002	0.0007	0.251	0.052
SW4	8/17/2010		265	0.1	<-0.05	<-2	14	4.8	619	307	8.24	0.003	0.2	-	340	18	1.1	18	0.6	0.2	27	0.09	<0.00002	0.0007	0.255	0.053
SW4	11/11/2010		199	0.13	<-0.01	<-2	23	8.5	445	248	8.14	<-0.001	0.02	-	245	10	0.6	8	0.5	<-0.1	20	0.03	<0.00002	<0.0005	0.126	0.02
SW4	6/1/2011		249	0.17	<-0.05	<-2	22	6.1	537	268	8.14	<-0.001	0.02	-	295	8	0.7	<1	0.5	0.2	16	0.03	<0.00002	0.0006	0.175	0.039
SW4	8/19/2011		268	0.09	<-0.01	<-2	15	4.9	609	302	8.19	<-0.001	0.1	-	335	8	0.9	19	0.6	0.2	24	0.03	<0.00002	0.0004	0.302	0.054
SW4	11/11/2011		237	0.26	<-0.01	4	11	6.5	541	264	7.84	<-0.001	0.01	-	298	36	0.6	12	0.7	0.2	17	0.19	<0.00002	0.0003	0.184	<0.005
SW4	5/29/2012		237	0.163	0.011	6	27	6.5	516	260	8.19	<-0.001	0.04	-	284	10	0.5	11.5	0.6	<-0.1	19	0.02	<0.00002	0.0007	0.172	0.053
SW4	5/29/2012		<3	0.022	<-0.005	<-2	6	0.2	1	<1	5.74	<-0.001	<-0.01	-	<3	<2	0.1	<-0.5	<-0.1	<-0.1	<1	<-0.01	<0.00002	<0.0001	<-0.001	<-0.005
SW4	10/31/2012		258	0.021	<-0.005	4	58	10.6	1410	866	7.76	<-0.001	0.09	-	778	44	0.6	46.4	<-0.1	<-0.1	486	0.11	<0.00002	0.0007	0.269	0.096
SW4	7/12/2013		240	0.1	<-0.02	3	20	-	483	-	8.21	<-0.001	0.11	-	314	23	0.84	10	0.15	<-0.1	11	-	<0.0001	<-0.001	0.11	0.03
SW4	10/28/2013		247	0.152	0.00096	<-2	27	9	541	270	8.09	<-0.001	<-0.03	-	309	<-2	0.66	12.1	0.38	<-0.1	27.8	-	<0.00010	<-0.010	0.125	0.024
SW4	6/12/2014		127	0.259	0.00281	<-2	40	45	276	132	7.93	0.0019	0.117	-	185	16.4	1.08	5.3	1.1	<-0.1	5.5	-	<0.00010	<-0.010	0.0674	0.014
SW4	10/23/2014		242	<-0.050	<-0.0022	<-2	19	9.5	510	250	8.14	<-0.001	0.144	-	223	3.2	0.61	11.9	0.48	<-0.1	21.6	-	<0.00010	<-0.010	0.125	0.022
SW4	5/28/2015		219	0.44	0.034	3	59	30.9	499	-	8.2	0.003	0.17	0.03	282	6	1.5	8	<-0.1	<-0.05	18	0.007	0.1	<-0.001	0.124	0.037
SW4	12/3/2015		255	0.03	1.29	<-	17	6.6	559	-	8	<-0.001	0.02	0.03	338	8	0.5	12	0.9	<-0.05	36	0.008	<0.0001	<-0.001	0.122	0.025
SW4	7/4/2016		259	0.07	0.01	<-	15	4.1	577	-	8.3	0.002	0.02	<-0.01	330	2	0.3	19	0.3	<-0.05	26	<-0.001	<-0.001	0.202	0.045	
SW4	12/1/2016		106	0.05	0.001	2	52	11.7	324	139	7.7	<-0.001	0.14	0.03	276	29	1.1	5	4.4	<-0.05	31	0.21	<-0.001	<-0.001	0.102	0.018

Historical Surface Water Analytical Results

Surface Water Sampling Location	Date Sampled	Sample ID	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Silver	Sodium	Strontium	Vanadium	Zinc	Temperature (field)	pH (field)	DO (field)	Conductivity (field)	Ammonia, un-ionized (field)	
			Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	Units	mg/L	mS/cm
			0.00015	0.02	0.001	0.0001	0.0001	0.01	0.0002	0.02	0.001	0.01	0.1	0.0001	0.2	0.001	0.0001	0.005					0.001	
			PWQO	0.0005 ^(d)		(note d)	0.0009	0.005 ^(d)	0.3	0.005 ^(f)			0.025	0.0001			0.006	0.02			(note g)		0.02	
			Table A: Aquatic Protection Value			0.00021	0.064		0.0069	1	0.002													0.1
			Table B: Canadian Water Quality Guideline			0.000017																		0.03
SW1	8/1/2002		<0.0001	61.5	<0.005	0.0003	0.001	0.8	0.0016	24.1	0.379	<0.001	1.1	<0.0001	4.1	0.178	0.0015	0.067						
SW1	11/1/2002		<0.0001	54.8	<0.005	nd	0.0007	0.27	<0.0005	19.3	0.088	<0.001	1.9	<0.0001	4.5	0.163	0.0006	<0.005						
SW1	7/1/2003		nd	58.1	nd	0.0001	0.0006	0.09	nd	20.7	0.095	nd	0.9	nd	4.6	-	-	nd						
SW1	8/1/2003		nd	60.8	nd	0.0002	0.0015	0.49	nd	24	0.251	nd	1.3	nd	5.3	-	-	0.006						
SW1	10/1/2003		nd	70.7	nd	0.0003	0.002	0.61	nd	22.5	0.076	nd	1.9	nd	5.6	-	-	0.007						
SW1	5/1/2004		nd	40.1	nd	0.0003	0.0028	0.78	nd	13.8	0.039	nd	1.2	nd	3.4	0.137	0.0047	0.006						
SW1	5/1/2004		nd	41.6	nd	0.0003	0.003	0.76	0.0006	14	0.047	0.001	1.2	nd	3.5	0.14	0.0048	0.014						
SW1	8/1/2004		nd	60.6	nd	nd	0.0007	0.26	nd	22.9	0.079	nd	1.7	nd	5.4	0.238	0.0008	0.005						
SW1	11/1/2004		nd	55.4	nd	0.0004	0.0017	0.84	nd	19.7	0.09	nd	1.8	nd	4.8	0.213	0.0027	nd						
SW1	11/1/2004		nd	55.6	nd	0.0002	0.0013	0.52	nd	19.9	0.048	nd	1.7	nd	4.8	0.212	0.022	nd						
SW1	5/1/2007		<0.0001	62.3	-	<0.0005	0.0013	0.535	<0.0001	21.5	0.107	<0.01	1.3	<0.0001	4.7	-	-	<0.005						
SW1	8/1/2007		<0.0001	56.2	<0.002	<0.005	<0.002	0.223	<0.0001	23.8	0.05	<0.01	1.4	<0.0001	5.1	-	-	<0.005						
SW1	10/1/2007		<0.005	59.4	<0.002	<0.005	<0.002	0.612	<0.02	22	0.149	<0.01	3.2	<0.0001	5.2	-	-	<0.005						
SW1	6/1/2008		<0.0001	54.1	<0.001	<0.0005	<0.002	0.581	<0.0001	19.2	0.104	<0.01	0.9	<0.0001	4.6	-	-	0.018						
SW1	9/1/2008		<0.0001	61.1	<0.002	<0.0005	<0.002	0.315	<0.0001	22.4	0.068	<0.01	1.9	<0.0001	5.1	-	-	<0.005						
SW1	11/1/2008		<0.005	58.3	<0.002	<0.005	<0.002	0.409	<0.02	20.1	0.039	<0.01	1.1	<0.005	4.3	-	-	<0.005						
SW1	11/1/2008		<0.005	59.5	<0.002	<0.005	<0.002	0.37	<0.02	20.8	0.04	<0.01	1.2	<0.005	4.4	-	-	<0.005						
SW1	4/9/2009		0.0002	44.1	0.003	0.0047	<0.002	0.761	<0.0001	16.1	0.061	<0.01	1.4	0.0005	4.4	0.157	-	<0.005						
SW1	7/1/2009		<0.0001	63.2	0.006	<0.0005	<0.002	0.906	0.0001	24.2	0.096	<0.01	1.2	<0.0001	5	0.254	-	0.009						
SW1	11/16/2009		<0.0001	59.4	<0.002	<0.0005	0.0012	0.283	<0.0001	21.5	0.061	<0.01	1.6	<0.0001	4.8	0.207	-	<0.005						
SW1	6/1/2010		<0.0001	58.9	<0.002	-	<0.002	0.325	0.0002	20.6	0.035	<0.01	0.8	-	4.6	-	-	<0.005						
SW1	8/17/2010		<0.0001	69.9	<0.001	<0.0005	<0.002	0.422	0.0003	24.7	0.072	<0.01	2	<0.0001	5.7	0.275	<0.005	<0.005						
SW1	11/11/2010		<0.0001	59.8	<0.002	<0.0005	0.0027	0.598	0.0003	21.4	0.05	<0.01	1.4	<0.0001	4.8	0.219	<0.005	<0.005						
SW1	11/11/2010		<0.0001	60	<0.002	<0.0005	0.0029	0.635	0.0004	21.6	0.052	<0.01	1.4	<0.0001	4.8	0.22	<0.005	0.006						
SW1	6/1/2011		0.00004	66.9	<0.002	0.0003	<0.002	0.669	0.00056	23.3	0.091	<0.01	1.7	<0.0002	5.3	0.257	<0.005	<0.005						
SW1	6/1/2011		0.00007	65.8	0.003	0.0004	<0.002	1.04	0.00097	22.9	0.112	<0.01	1.7	<0.0002	5.2	0.253	<0.005	<0.005						
SW1	8/19/2011		<0.0002	68.1	0.003	<0.0001	<0.002	0.273	0.00002	26.3	0.071	<0.01	1.8	<0.0002	5.7	0.243	<0.005	<0.005						
SW1	11/22/2011		<0.0002	60	0.0028	<0.0001	<0.002	0.157	0.0002	21.8	0.03	<0.01	1.4	<0.0002	4.3	0.205	-	<0.005						
SW1	5/24/2012		0.00002	53.8	0.014	-	0.0012	0.865	0.00028	21	0.08	<0.01	0.9	<0.0002	4.8	-	-	<0.005						
SW1	5/24/2012		<0.0002	46.8	<0.002	-	0.0014	0.493	0.00005	18.3	0.062	<0.01	0.7	<0.0002	4.2	-	-	<0.005						
SW1	8/7/2012		<0.0002	66.4	<0.002	<0.001	0.0004	0.318	0.00003	26.3	0.056	<0.01	1.7	<0.0002	6	0.254	<0.005	0.011						
SW1	8/7/2012		<0.0002	0.75	<0.002	<0.0001	<0.0001	0.053	<0.00002	0.06	0.008	<0.01	<0.1	<0.0002	<0.2	<0.001	<0.005	<0.005						
SW1	10/31/2012		<0.00002	70.6	0.019	<0.0001	0.0003	0.331	<0.00002	25.1	0.092	<0.01	2.1	<0.0002	5.6	0.253	<0.005	<0.005						
SW1	10/31/2012		<0.00002	70.3	0.06	<0.0001	0.0005	0.63	<0.00002	25.1	0.126	0.03	2.1	<0.0002	5.6	0.252	<0.005	<0.005						
SW1	10/31/2012		<0.00002	<0.002	0.024	<0.0001	<0.0001	<0.0005	<0.00002	<0.001	0.001	<0.01	<0.1	<0.0002	<0.2	<0.001	<0.005	<0.005						
SW1	7/12/2013		<0.0001	-	<0.001	-	0.01	0.41	<0.001	-	-	-	-	-	-	-	-	<0.01						
SW1	10/28/2013		<0.00090	59.7	0.0062	<0.00050	0.0011	0.303	<0.00050	20.3	0.0315	<0.0010	1.2	<0.0010	4.88	-	-	0.0071						
SW1	6/12/2014		<0.00090	37	0.00139	<0.00050	0.0025	0.741	<0.00050	11.8	0.0346	0.0017	1.9	<0.0010	3.02	-	-	0.0051						
SW1	10/23/2014		0.000105	58.7	0.00356	0.00109	0.0034	2.79	0.00172	21.8	0.214	0.0023	2.4	<0.0010	5.25	-	-	0.0151						
SW1	5/28/2015		<0.0001	62.6	<0.001	<0.0005	<0.0005	0.788	0.0004	22.1	0.107	<0.001	1.84	<0.0001	5.47	0.245	0.0039	0.006						
SW1	12/3/2015		<0.0001	71.8	<0.001	<0.0005	0.0012	0.616	0.0004	25.4	0.063	<0.001	1.15	0.0002	6.13	0.295	0.0026	0.006						
SW1	7/4/2016		<0.0001	60.4	<0.001	<0.0005	0.001	<0.1	0.0002	18.8	0.011	<0.001	1.19	<0.0001	4.47	0.23	0.0007	<0.005						
SW1	12/1/2016		<0.0001	43.9	0.006	0.0016	0.0054	3.16	0.0021	15	0.088	0.004	2.7	<0.0001	3.14	0.155	0.0094	0.018						
SW1	7/17/2017		<0.0001	59.8	<0.001	<0.0005	<0.0005	0.225	<0.0001	20.2	0.043	0.002	1.09	<0.0001	4.99	0.232	0.0037	<0.005						
SW1	11/17/2017		<0.0001	49.2	<0.001	<0.0005	<0.0005	0.318	<0.0001	18.5	0.051	<0.001	0.996	<0.0001	4.54	0.218	0.0019	<0.005						
SW1	4/24/2018		<0.014	53.4	<0.001	-	0.0018	0.288	0.00015	19.1	0.03	<0.00001	1.1	<0.00002	6	0.214	<0.00005	0.043						
SW1	11/13/2018		0.00022	57.8	<0.001	0.0002	0.0058	0.153	0.00021	22.1	0.02	<0.00001	1.3	<0.0001	5.5	0.247	0.047	0.013						
SW1	5/14/2019	19-W013	0.00029	36.3	0.002	0.0004	0.0025	0.639	0.00038	12.6	0.018	<0.01	0.9	<0.0001	3.8	0.142	<0.005	0.008	9.73	7.87	6.17	-	0.0008	
SW1	10/9/2019	19-W035	0.00025	57.1	<0.001	0.0003	0.0008	0.782	0.00035	21	0.108	<0.01	1.8	<0.0001	5.7	0.243	<0.005	0.007	11.50	6.30	9.00	-	0.0001	
SW1	11/29/2020	20-W016	<0.000015	58.5	<0.001	0.0002	0.0007	0.435	0.0001	21.7	0.053	<0.01	1.1	<0.0001	5.6	0.214	0.0013	0.009	11.09	8.06	9.35	-	0.501	
SW1	10/13/2020	20-W031	<0.000015	61.8	<0.001	<0.0001	0.0003	0.282	0.00005	22.6	0.051	<0.01	2.4	<0.0001	5.7	0.180	0.0006	<0.005	9.99	7.89	10.73	-	0.308	
SW1	4/16/2021	21-W019	0.00022	50.0	<0.001	0.0002	0.0021	0.432	0.00020	18.0	0.033	0.0006	2.1	<0.0001	23.9	0.188	0.0021	0.009	3.48	7.75	8.			

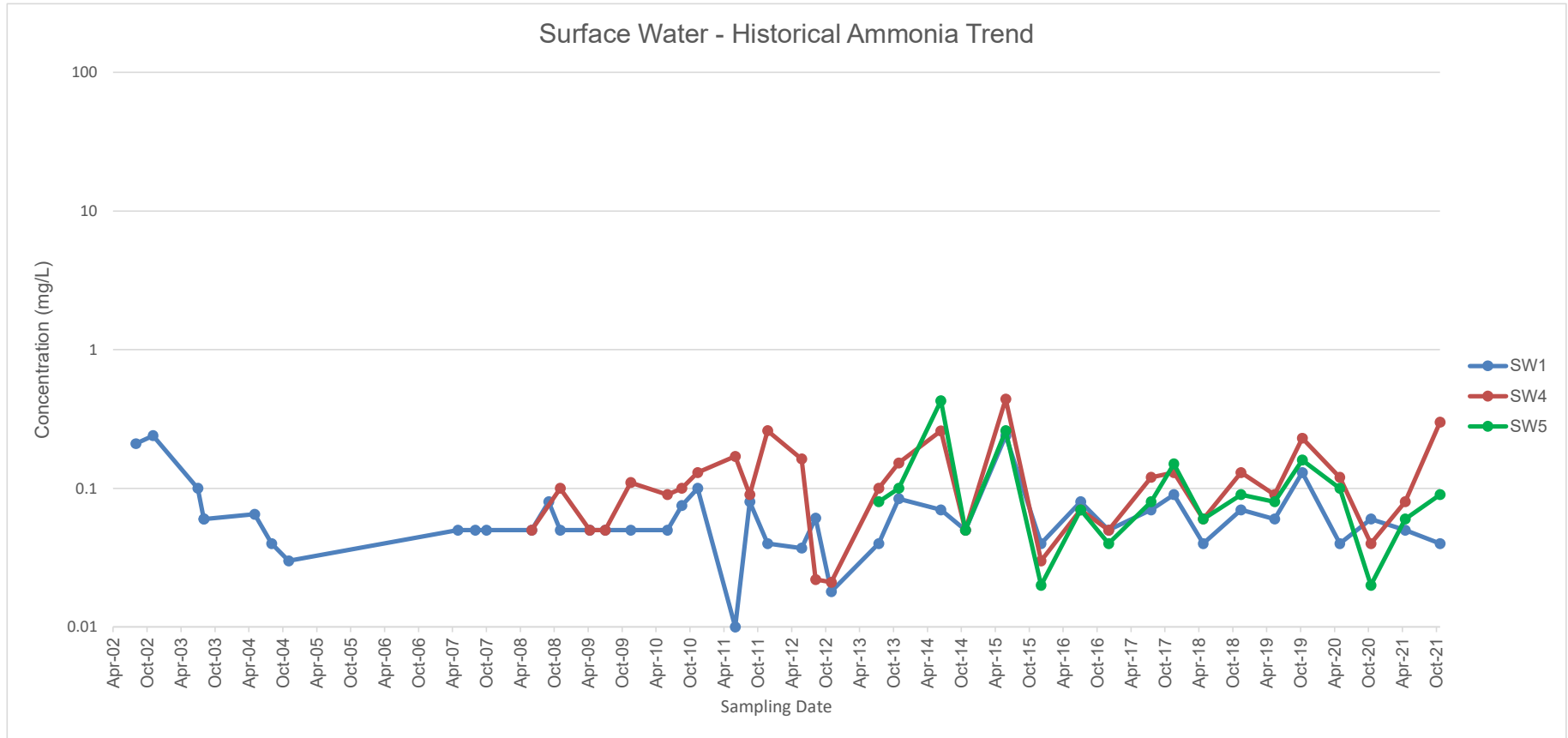
Historical Surface Water Analytical Results

Table with columns: Surface Water Sampling Location, Date Sampled, Sample ID, and various chemical and physical parameters (Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Strontium, Vanadium, Zinc, Temperature, pH, DO, Conductivity, Ammonia).

Notes:
denotes concentration exceeds the 1994 PWQO (as updated in 1999)
*- denotes not analyzed
RL denotes reporting limit
*- denotes result below reporting limit
*SW #/## denotes surface water station ID
[1] Unionized Ammonia calculated using field parameters for pH and temperature
[a] Alkalinity should not be decreased by more than 25% of the natural concentration
[b] Aluminum criteria: >6.5 - 9.0 pH = 0.075 mg/L, >5.5 - 6.5 pH = <10% above natural background concentration
[c] Cadmium criteria: 0-100 mg/L Hardness = 0.0001 mg/L, >100 mg/L Hardness = 0.0005 mg/L
[d] Chromium reported as total, published standards are for Chromium VI (0.001 mg/L) and Chromium III (0.0089 mg/L)
[e] Copper criteria: 0-20 mg/L Hardness = 0.001 mg/L, >20 mg/L Hardness = 0.005 mg/L
[f] Lead criteria: <30 mg/L Hardness = 0.001 mg/L, 30 to 80 mg/L Hardness = 0.003 mg/L, >80 mg/L Hardness = 0.005 mg/L
[g] PWQO for minimum DO concentration set at conservative value based on highest temperature and warm water biota
DO criteria: 0°C -5°C = ≥7ma/L, 5°C-10°C = ≥6ma/L, 10°C-20°C = ≥5ma/L, 20°C-25°C = ≥4ma/L
[h] Table A and Table B standards apply only to Phenol
Metals are reported as "total" with the exception of Aluminum and Mercury (reported as dissolved)
Malroz was not able to independently validate historic chemistry and exceedances, provided by the Township of Leeds and the Thousand Islands

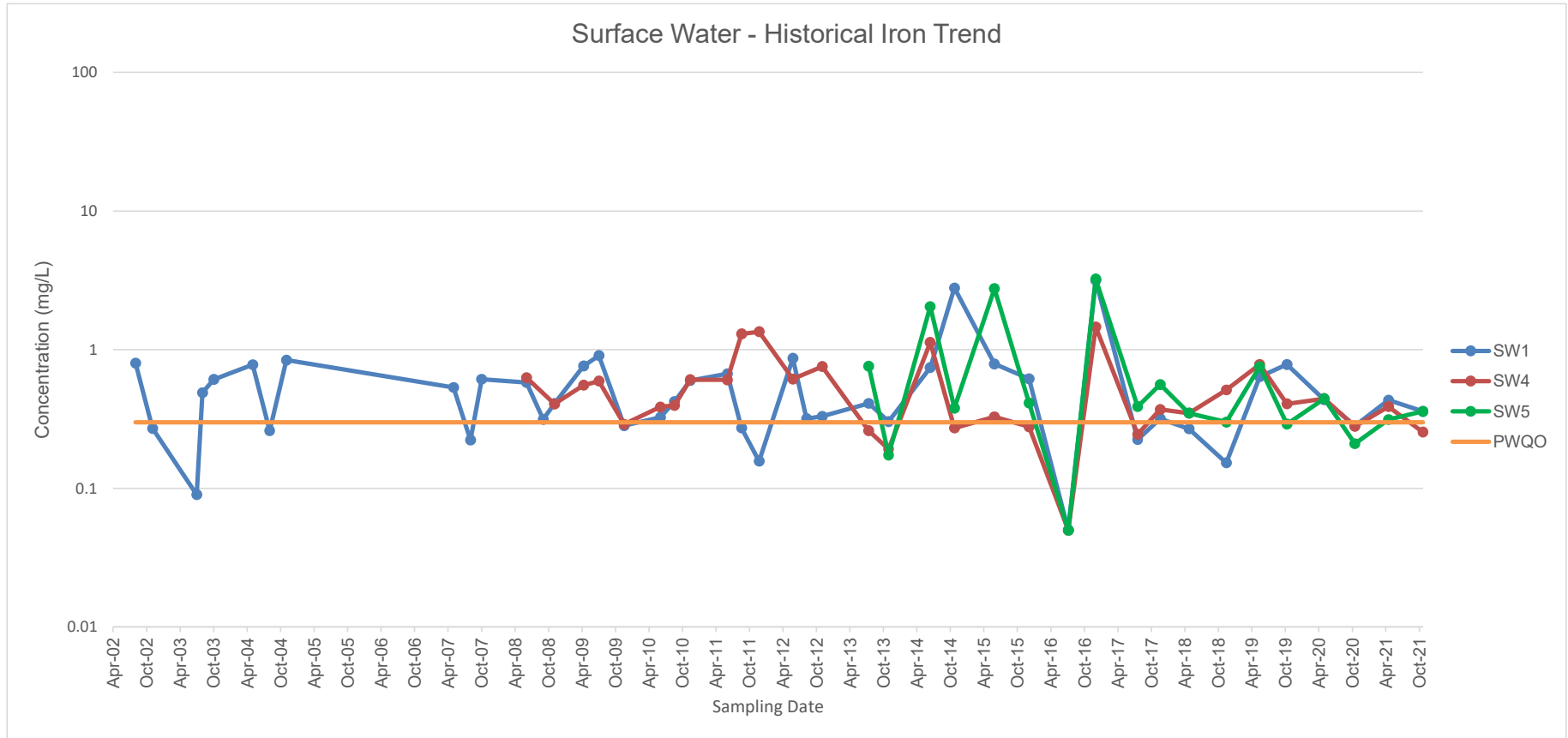
Input: JMP
Check: MW

Appendix L
Historical Groundwater and Surface Water Trends



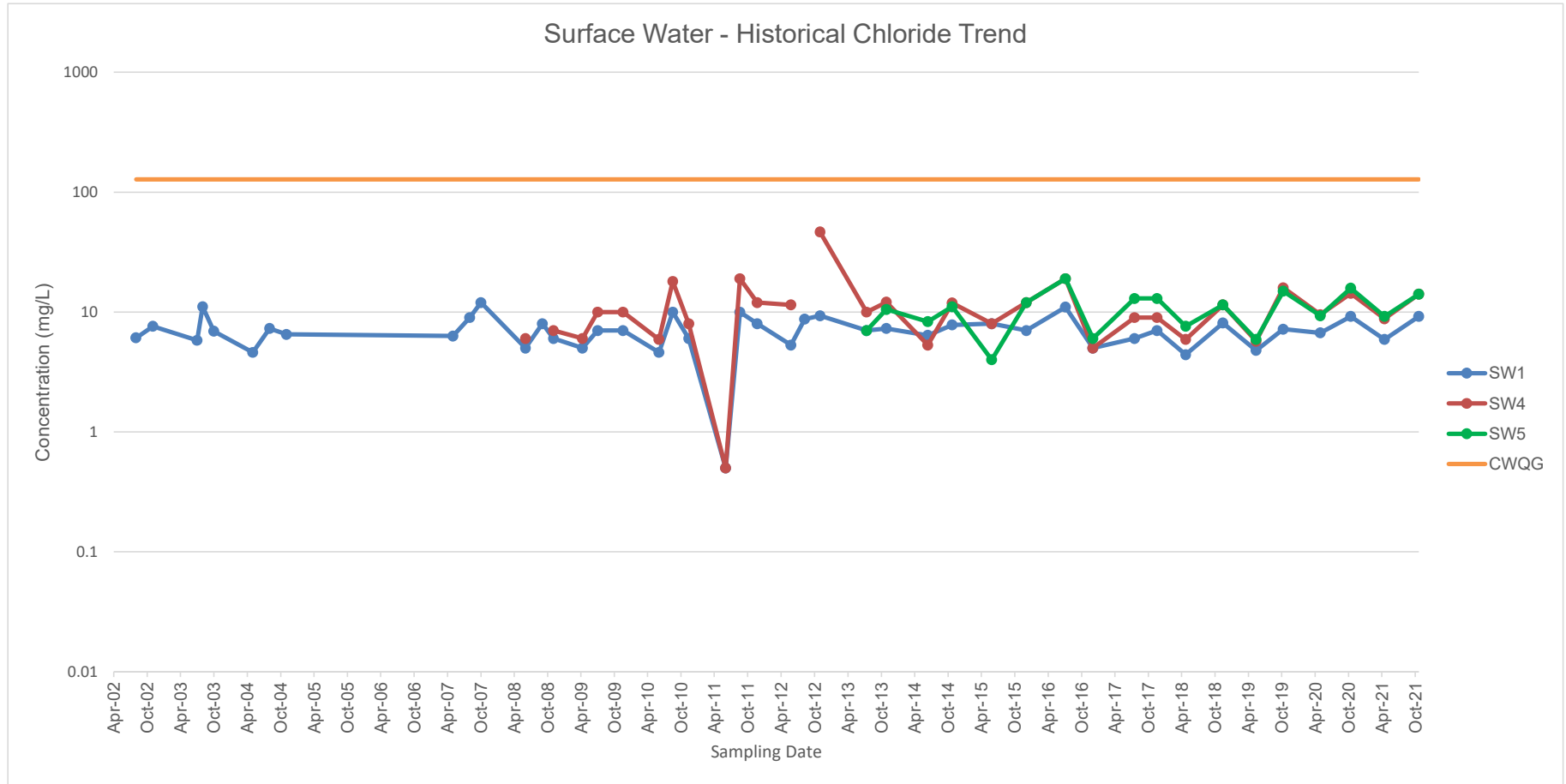
Notes:

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- gaps between points denotes missing data
- when result was less than MDL, MDL value was plotted
- trend graphs provided as an interpretive tool only. Refer to the summary tables for results.



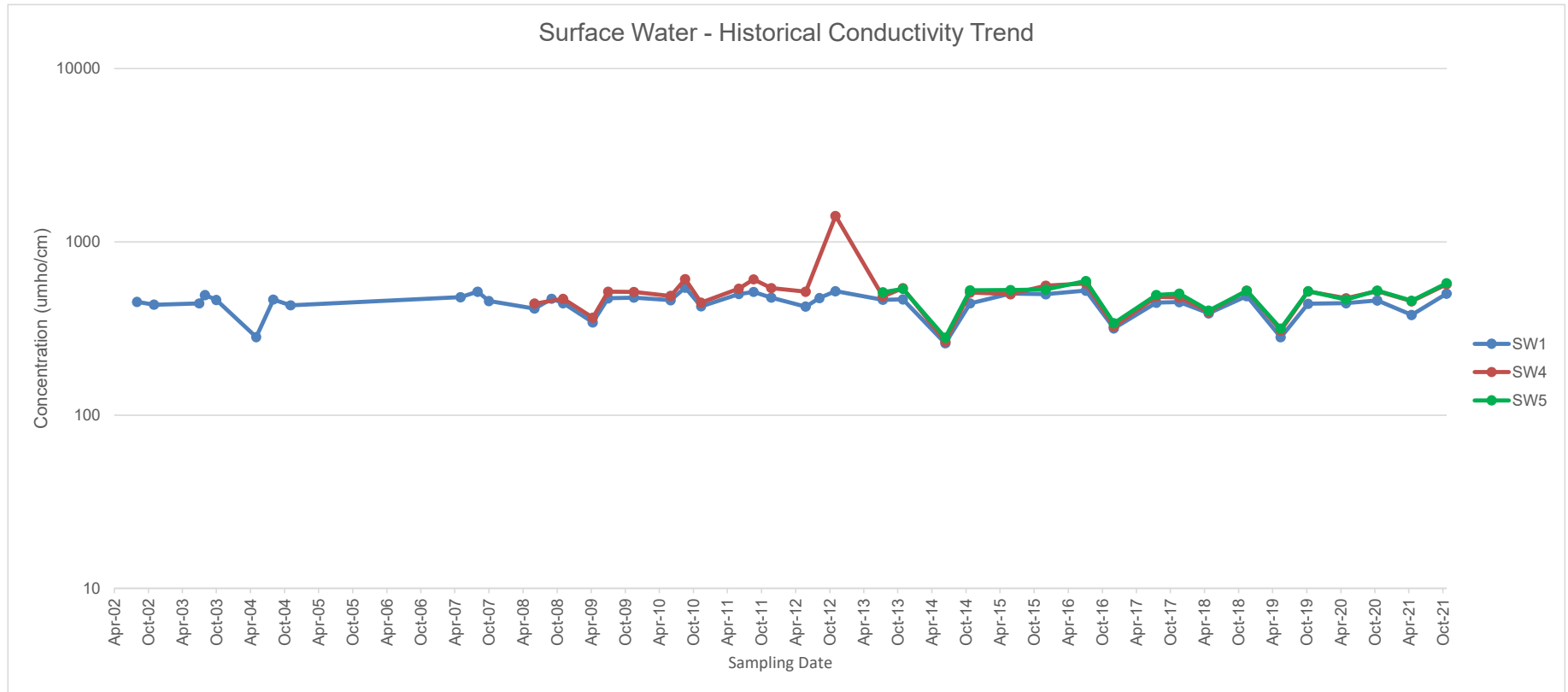
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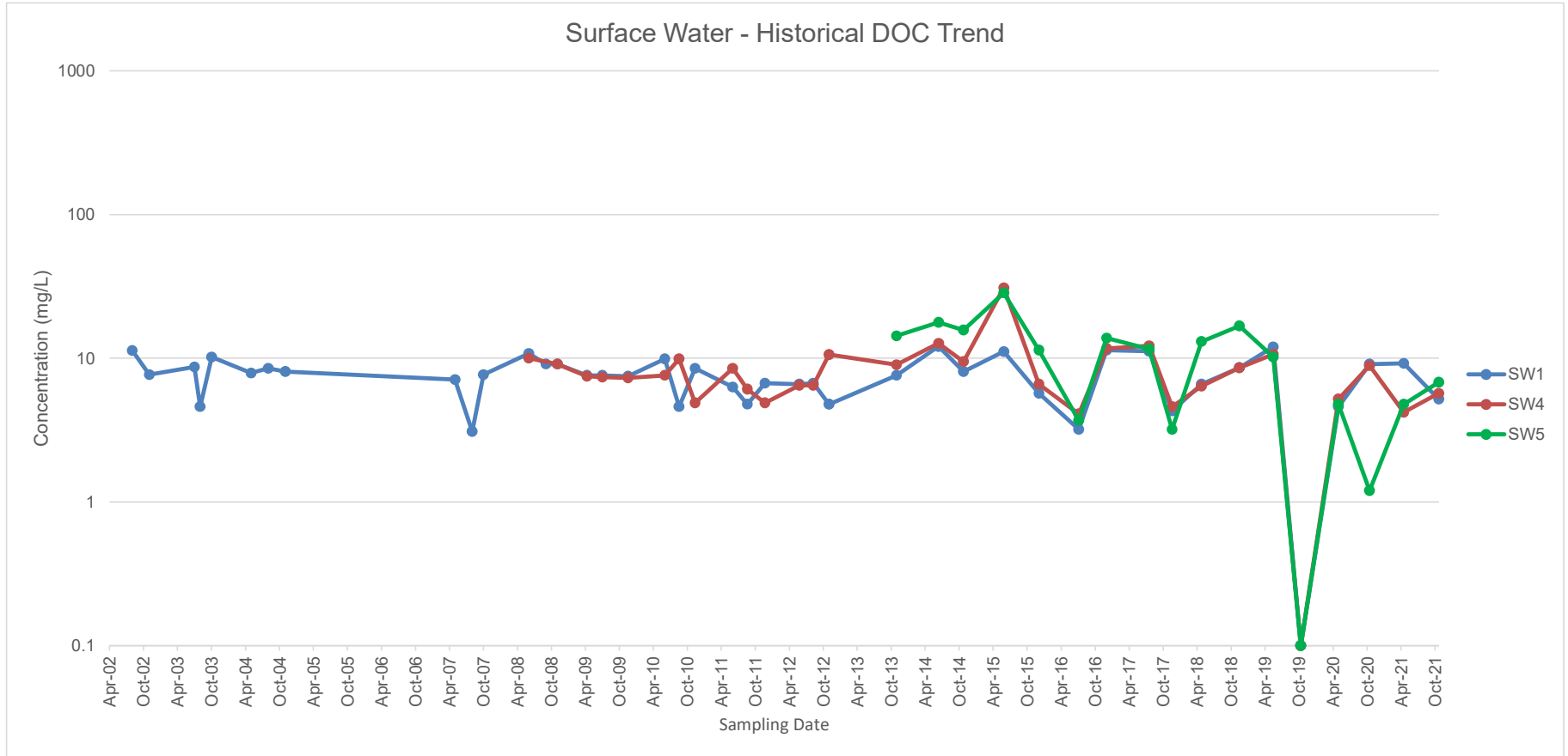
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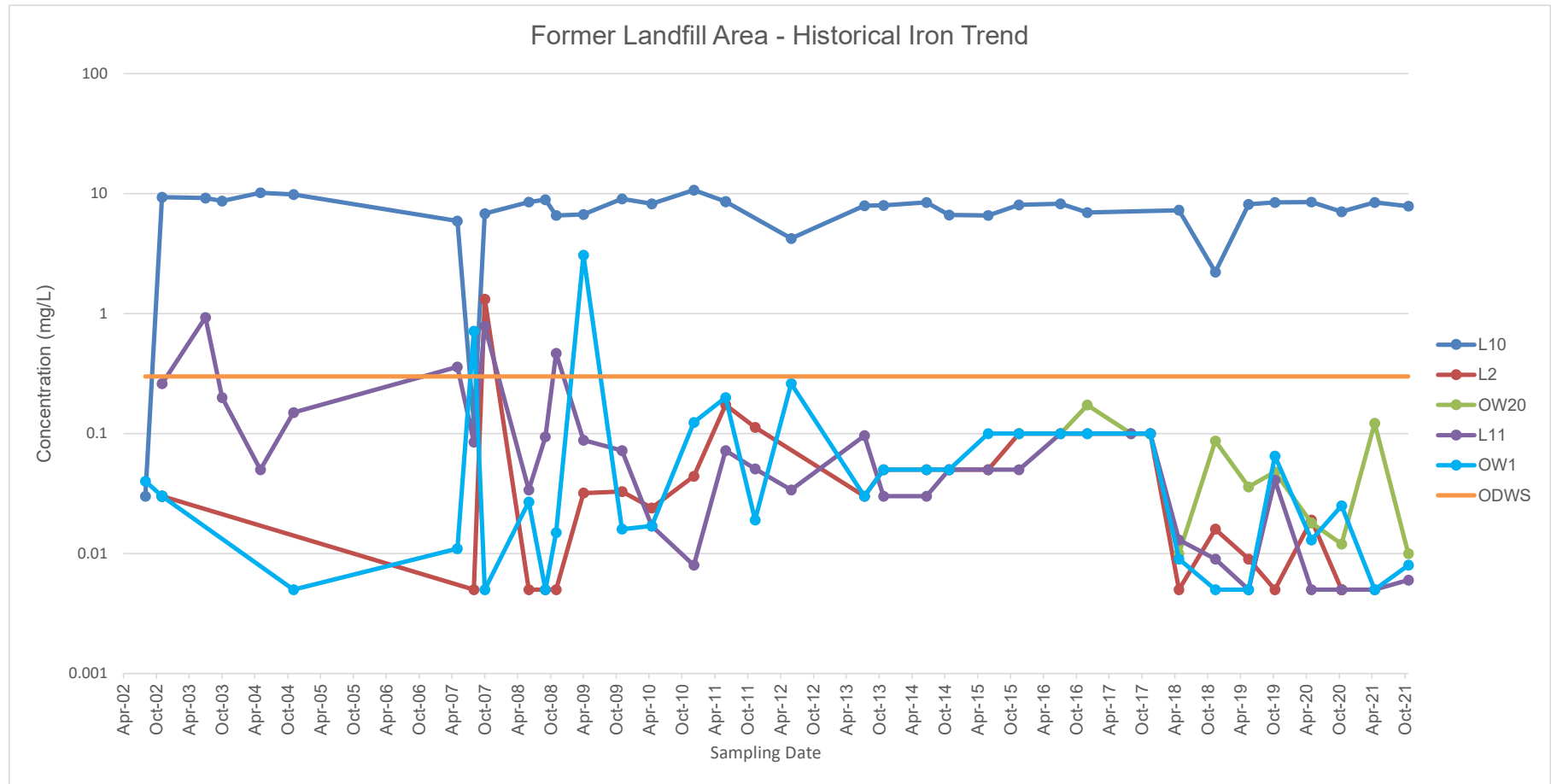
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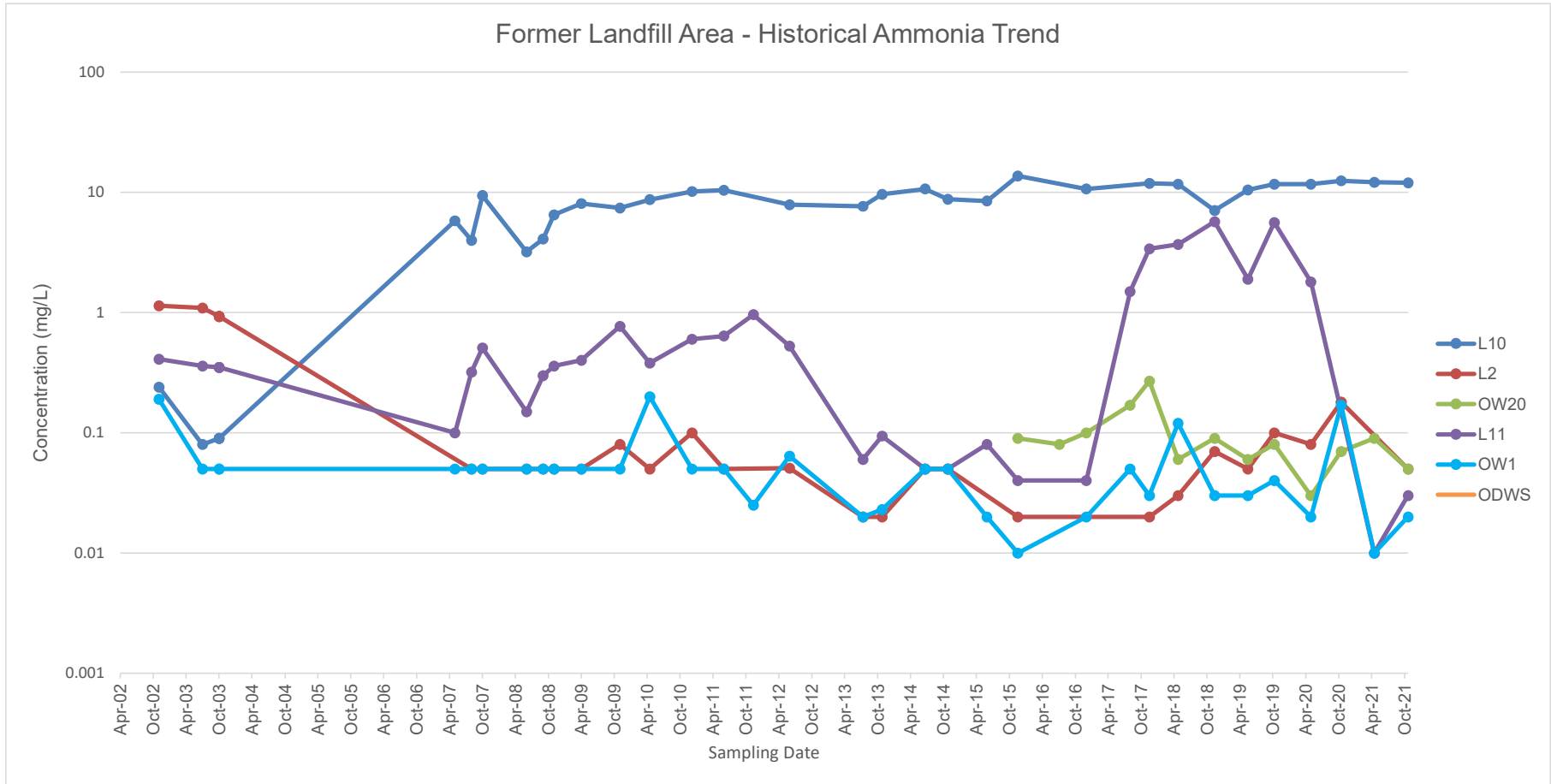
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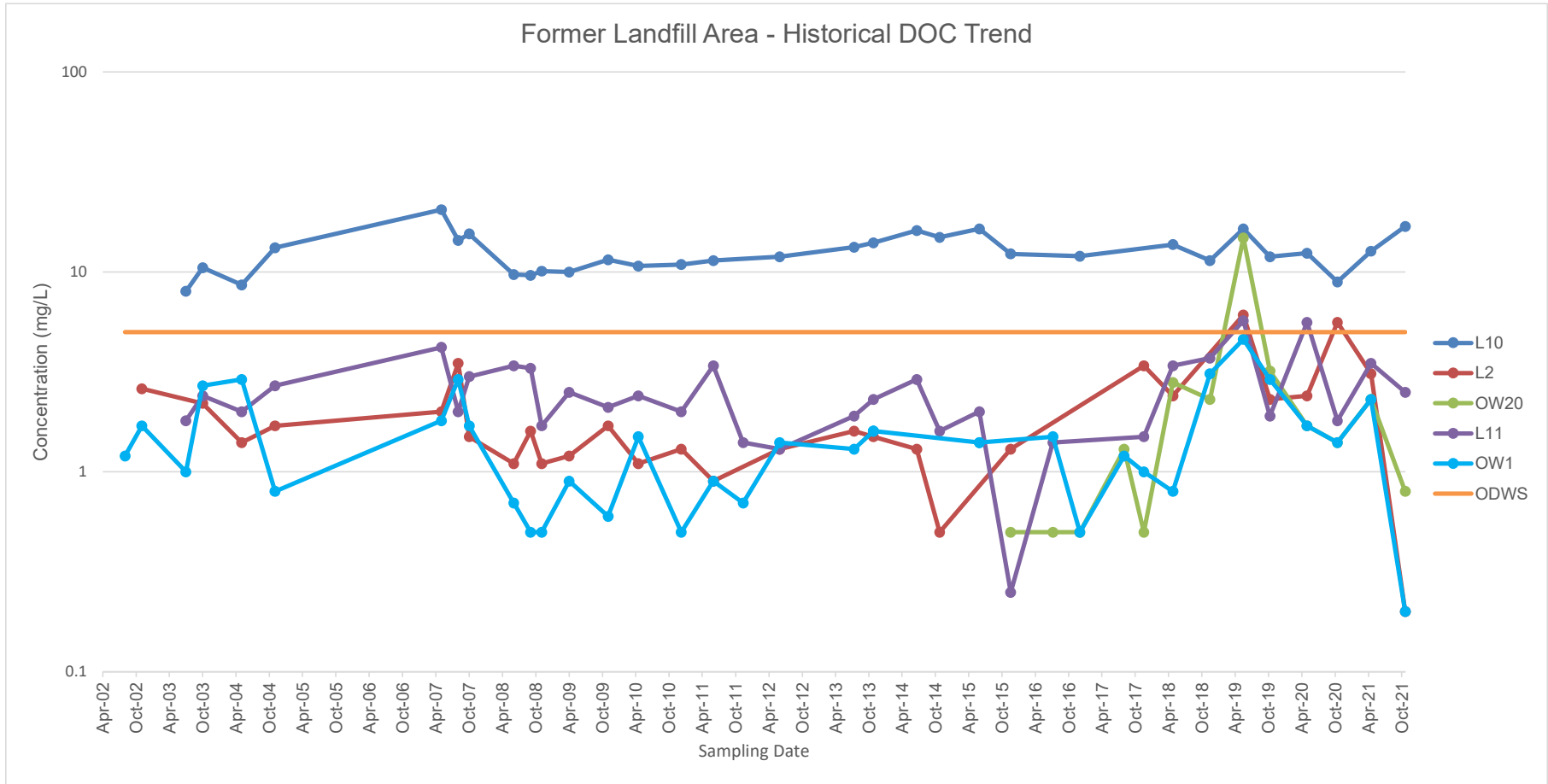
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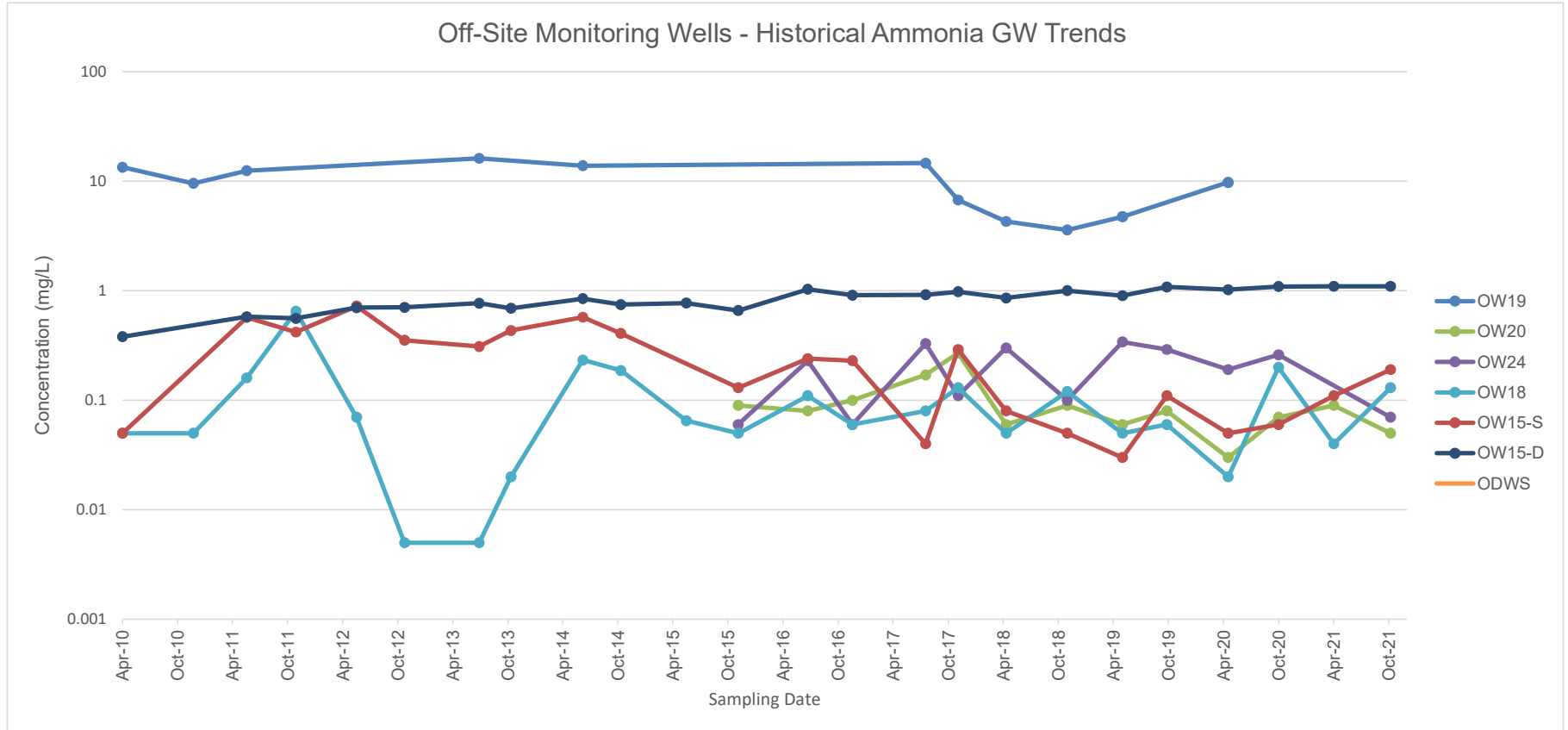
Notes:

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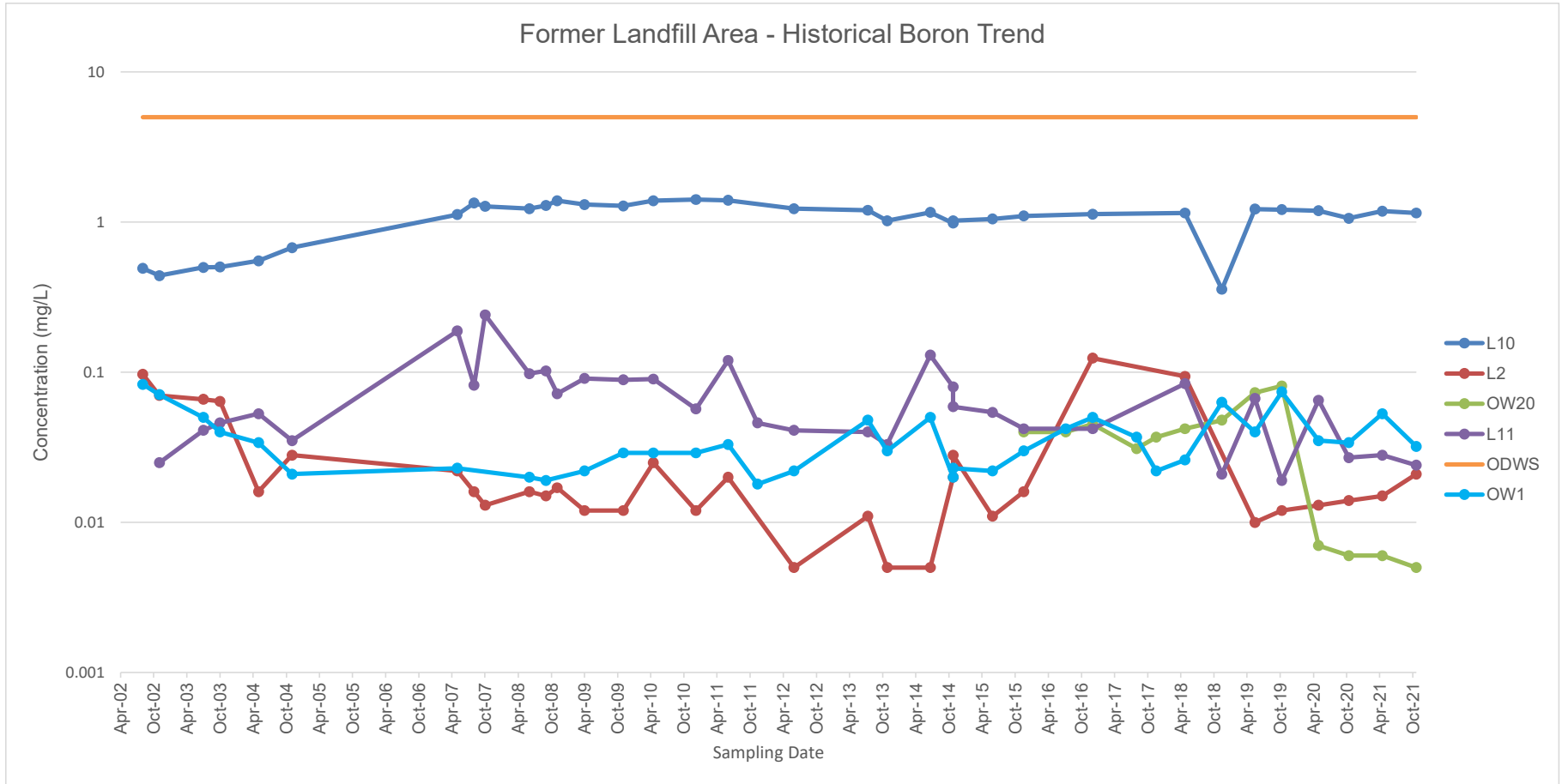
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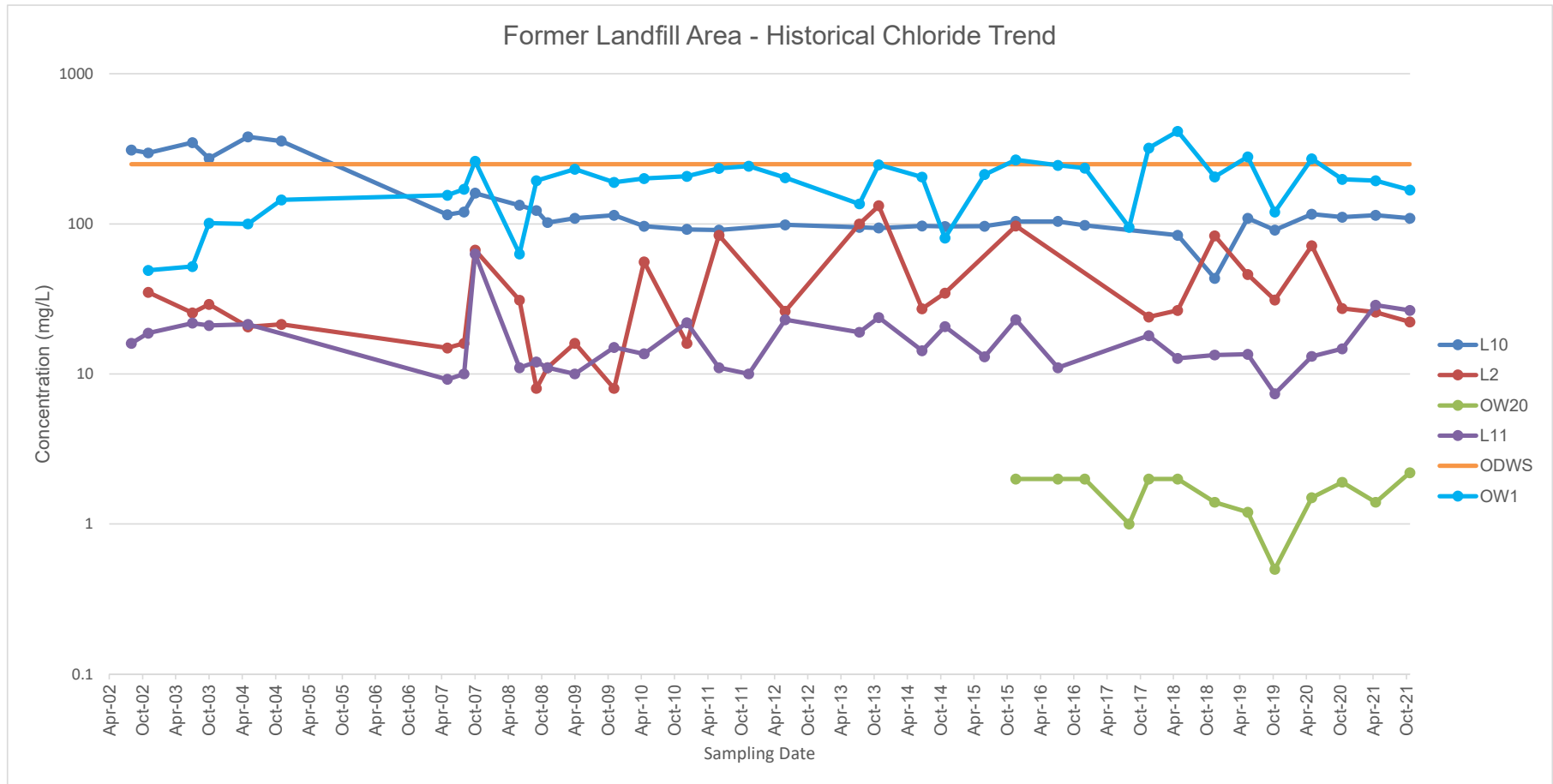
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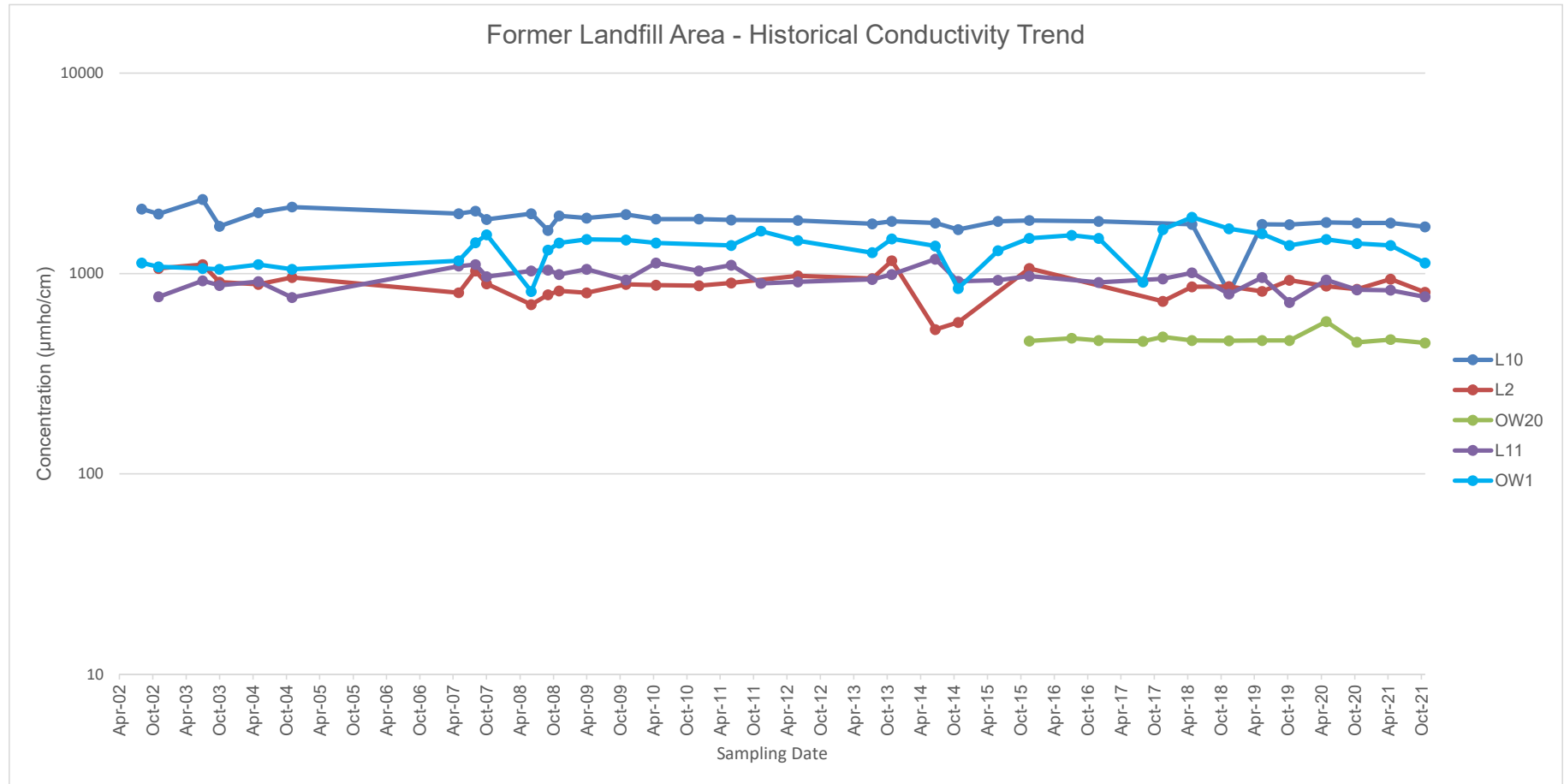
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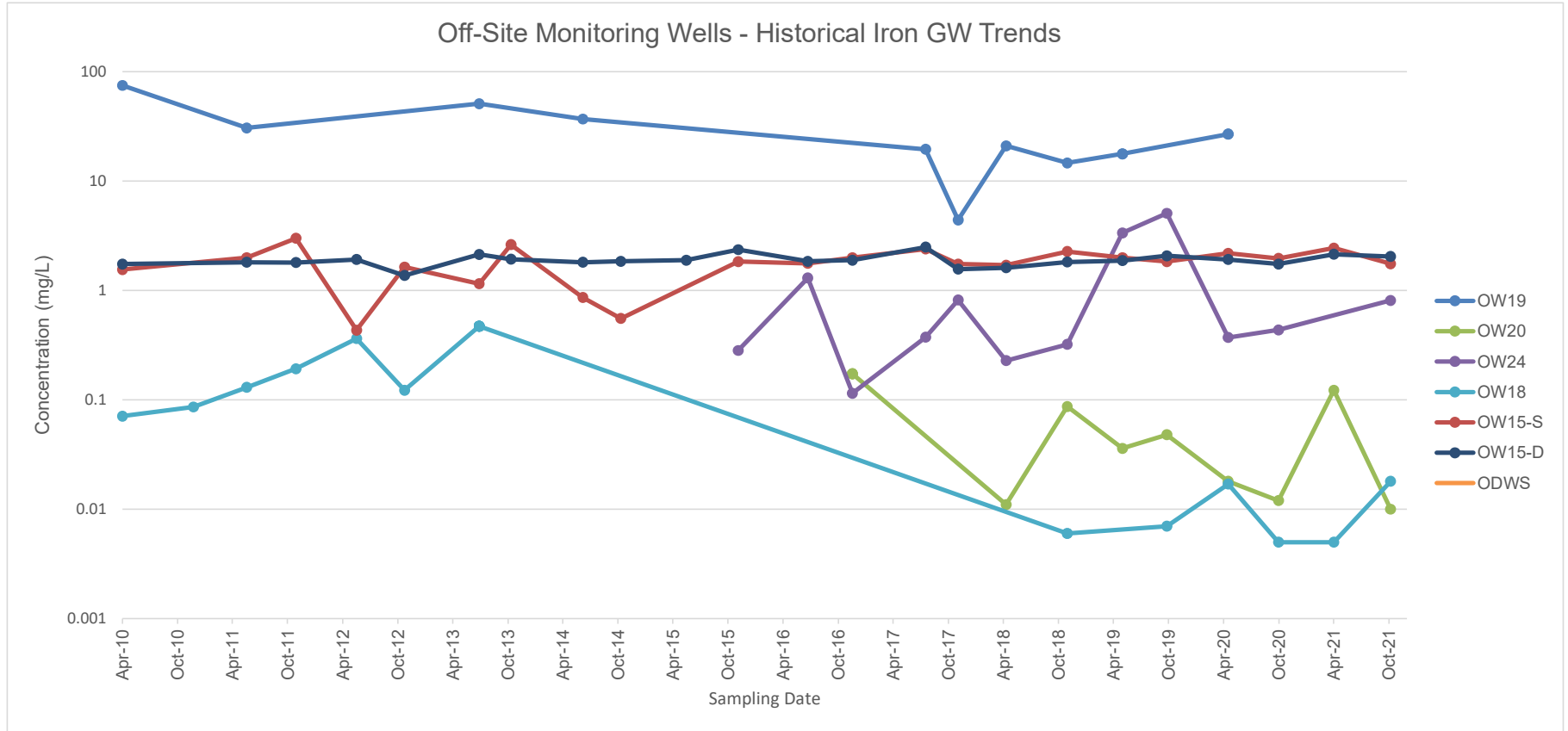
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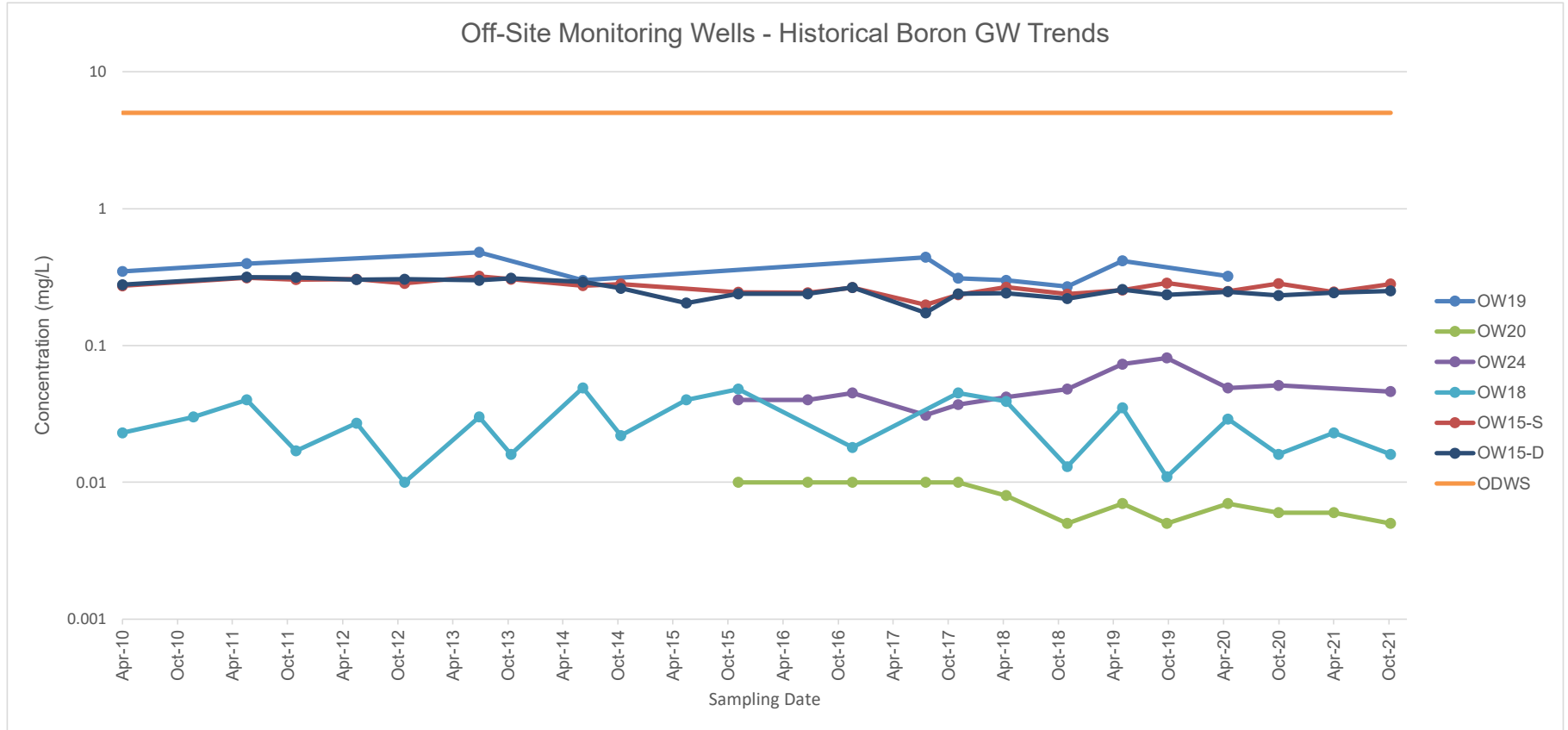
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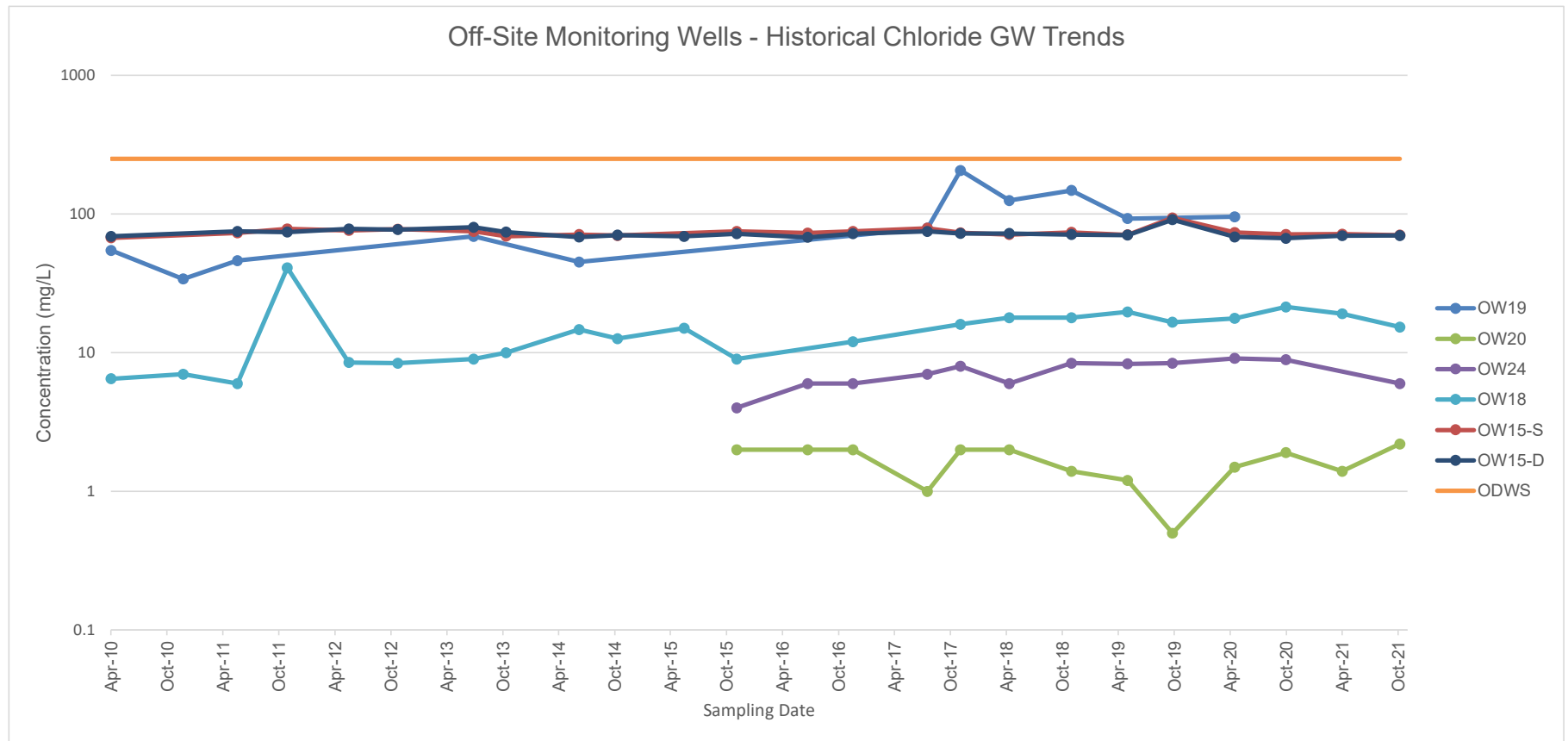
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- when result was less than MDL, MDL value was plotted
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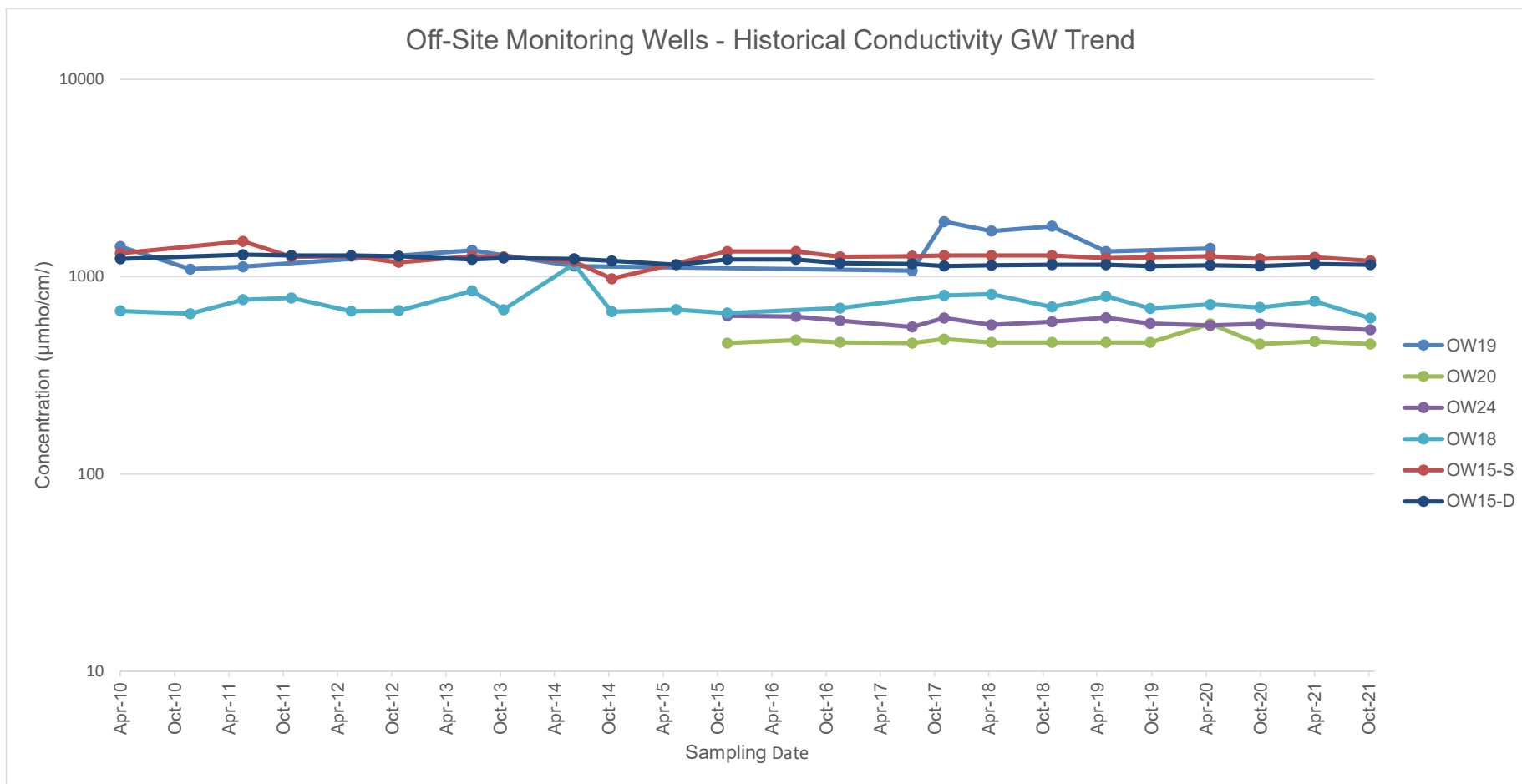
Notes:

- all data prior to and including 2016 was provided by the Township of Leeds and Thousand Islands.
- gaps between points denotes missing data
- when result was less than MDL, MDL value was plotted
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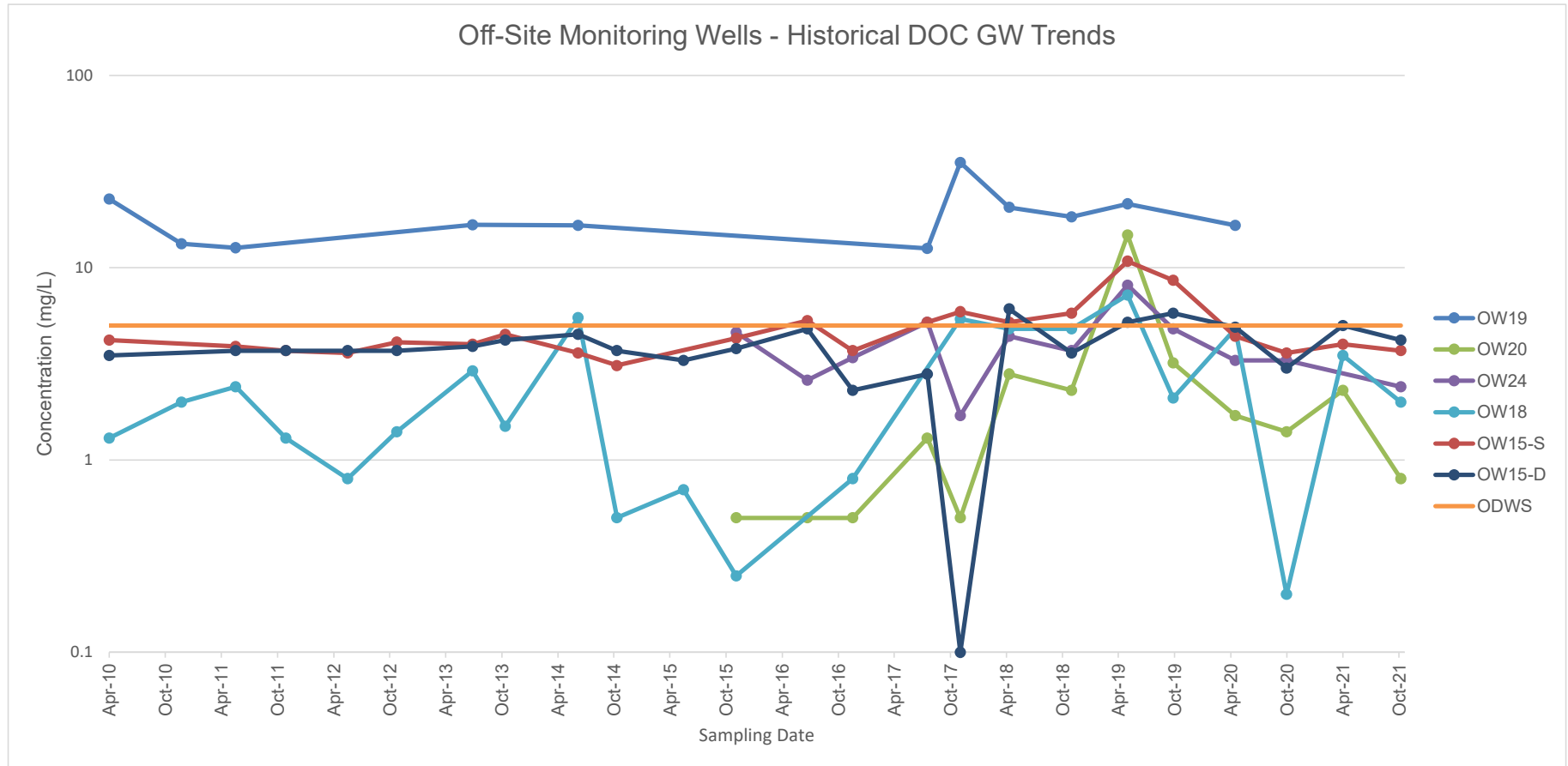


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