

TOWNSHIP OF LEEDS AND THE THOUSAND ISLANDS

**Lansdowne Waste Disposal Site  
2018 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.

<b>Monitoring Report and Site Information</b>	
<b>Waste Disposal Site Name</b>	Lansdowne Waste Disposal Site
<b>Location (e.g. street address, lot, concession)</b>	365 Kidd Road South, Part Lot 12, Concession 2 Lansdowne
<b>GPS Location (taken within the property boundary at front gate/ front entry)</b>	0416311.6m E, 4971193.8 N, NAD 83, 18T
<b>Municipality</b>	Leeds and Thousand Islands
<b>Client and/or Site Owner</b>	The Corporation of the Township of Leeds and Thousand Islands
<b>Monitoring Period (Year)</b>	2018
This Monitoring Report is being submitted under the following:	
<b>Environmental Compliance Approval Number:</b>	A442003 (ECA)
<b>Director's Order No.:</b>	N/A
<b>Provincial Officer's Order No.:</b>	N/A
<b>Other:</b>	N/A



<b>Report Submission Frequency</b>	<input checked="" type="radio"/> <b>Annual</b> <input type="radio"/> <b>Other</b>	Specify: Submitted by March 31 of the year following the calendar year covered by the report.	
<b>The site is: (Operation Status)</b>	<input checked="" type="radio"/> <b>Open</b> <input type="radio"/> <b>Inactive</b> <input type="radio"/> <b>Closed</b>		
<b>Does your Site have a Total Approved Capacity?</b>	<input type="radio"/> <b>Yes</b> <input checked="" type="radio"/> <b>No</b> Capacity is Area Based		
<b>If yes, please specify Total Approved Capacity</b>		<i>Units</i>	Cubic Metres
<b>Does your Site have a Maximum Approved Fill Rate?</b>	<input type="radio"/> <b>Yes</b> <input checked="" type="radio"/> <b>No</b>		
<b>If yes, please specify Maximum Approved Fill Rate</b>	N/A	<i>Units</i>	
<b>Total Waste Received within Monitoring Period (Year)</b>	3753	<i>Units</i>	Cubic Metres
<b>Total Waste Received within Monitoring Period (Year) Methodology</b>	surveyed using a total station		
<b>Estimated Remaining Capacity</b>	34881	<i>Units</i>	Cubic Metres
<b>Estimated Remaining Capacity Methodology</b>	based on proposed capacity presented in the recently submitted D&O plan		
<b>Estimated Remaining Capacity Date Last Determined</b>	December 2018		
<b>Non-Hazardous Approved Waste Types</b>	<input 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 type="checkbox"/> Leaf and Yard Waste	<input type="checkbox"/> Food Processing/Preparation Operations Waste <input type="checkbox"/> Hauled Sewage Other: <input type="text" value="Municipal waste per O. Reg 347"/>
<b>Subject Waste Approved Waste Classes: Hazardous &amp; Liquid Industrial (separate waste classes by comma)</b>			
<b>Year Site Opened (enter the Calendar Year <u>only</u>)</b>	<input type="text" value="unknown"/>	<b>Current ECA Issue Date</b>	March 24, 2016
<b>Is your Site required to submit Financial Assurance?</b>	<input type="radio"/> <b>Yes</b> <input checked="" type="radio"/> <b>No</b>		
<b>Describe how your Landfill is designed.</b>	<input checked="" type="radio"/> <b>Natural Attenuation only</b> <input type="radio"/> <b>Fully engineered Facility</b> <input type="radio"/> <b>Partially engineered Facility</b>		
<b>Does your Site have an approved Contaminant Attenuation Zone?</b>	<input checked="" type="radio"/> <b>Yes</b> <input type="radio"/> <b>No</b>		

<p><b>If closed, specify C of A, control or authorizing document closure date:</b></p>	
<p><b>Has the nature of the operations at the site changed during this monitoring period?</b></p>	<p> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </p>
<p><b>If yes, provide details:</b></p>	<p>Type Here</p>
<p><b>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)</b></p>	<p> <input checked="" type="radio"/> Yes  <input type="radio"/> No         </p> <p>managed by methane vents at the top of the waste mound. Conditions outside of the fill area met met the MOE limits for the subsurface.</p>

**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>If no, list exceptions (Type Here):</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
MW101	insufficient water	May 23 and November 27, 2018
345 Eden Grove Road Domestic Well	property owner not available to coordinate access	May 23, 2018



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 checked="" type="radio"/> Yes only at methane vents, not in the wells adjacent to the waste mound. <input 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: or MECP Concurrence (see report)		<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable  If no, list exceptions below or attach additional information.
<b>Groundwater Sampling Location</b>	<b>Description/Explanation for change (change in name or location, additions, deletions)</b>	<b>Date</b>
Type Here	Type Here	Select Date
Type Here	Type Here	Select Date
Type Here	Type Here	Select Date
Type Here	Type Here	Select Date
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):		See report for details of SOP.
<input checked="" type="radio"/> Yes <input type="radio"/> No		

## 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 checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p>If no, the potential design and operational concerns/exceptions are as follows (Type Here):</p>	
<p>6) The site meets compliance and assessment criteria.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p>See report for discussion of compliance criteria.</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 <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 <input checked="" type="radio"/> No</p>	<p>Note which practice(s):</p>	<p><input type="checkbox"/> (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> (c) As discussed in report.</p>
<p>9) Have trigger values for contingency plans or site remedial actions been exceeded (where they exist):</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Not Applicable</p>	<p>Trigger Mechanisms to be developed based on data obtained in 2018.</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, as deemed appropriate for this Site in my professional judgement, 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 analyzed 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.

The completion of this Checklist is a requirement of the MECP. As always, we rely upon the MECP to undertake a complete review the report(s) provided regarding the waste disposal site/landfill, and provide their comments and acceptance of our interpretation, conclusions and recommendations. The Checklist should in no way supersede the MECP's responsibility to undertake their complete review of our report(s) to ensure Site compliance with environmental regulations, standards and/or approvals. 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:

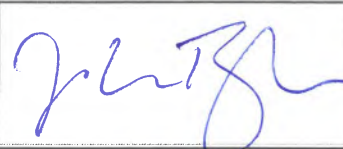


Select Date

## Recommendations:

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

<p><input checked="" type="radio"/> <b>No changes to the monitoring program are recommended</b></p> <p><input type="radio"/> <b>The following change(s) to the monitoring program is/are recommended:</b></p>	<p>See report for discussion.</p>
<p><input checked="" type="radio"/> <b>No Changes to site design and operation are recommended</b></p> <p><input type="radio"/> <b>The following change(s) to the site design and operation is/are recommended:</b></p>	<p>See report for discussion.</p>



<b>Name:</b>	John Pyke, P.Geo.		
<b>Seal:</b>	Add Image		
<b>Signature:</b>		<b>Date:</b>	April 16, 2019
<b>CEP Contact Information:</b>	John Pyke, P.Geo.		
<b>Company:</b>	Malroz Engineering Inc.		
<b>Address:</b>	308 Wellington St., 2nd Floor, Kingston ON		
<b>Telephone No.:</b>	613-548-3446 ext. 34	<b>Fax No. :</b>	Type Here
<b>E-mail Address:</b>	pyke@malroz.com		
<b>Co-signers for additional expertise provided:</b>			
<b>Signature:</b>		<b>Date:</b>	Select Date
<b>Signature:</b>		<b>Date:</b>	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 Creek and drainage ditches
Distance(s)	Along Eastern, Western, Northern and Southern property boundary,

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

### Sampling and Monitoring Program Status:

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:	<input checked="" type="radio"/> Yes <input type="radio"/> No	See report for discussion. SW13 proposed to be added in in 2019.
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):	<input type="radio"/> Yes <input checked="" 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
SW13	not sampled in error, revisited in sampling plan to ensure captured in future events.	May 23, and November 26, 2018

<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  <input checked="" type="radio"/> No  <input type="radio"/> Not Applicable</p>	
<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  <input checked="" type="radio"/> No  <input 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  <input type="radio"/> No</p>	<p>See report for discussion of SOPs.</p>



## 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 MECP 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):

- Yes  
 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
Refer to Table 8 in Report	PWQO, Table A, Table B	See Report for details.
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 type="radio"/> Yes  <input checked="" type="radio"/> No	See report for discussion: -Significant background inputs from agricultural sources, background, and road salting.

<p>7) <b>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.</b></p>	<p><input type="radio"/> Yes</p> <p><input checked="" 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 discussion. The site is characterized by concentrations of background above the assessment or compliance criteria.</p>
<p>8) <b>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)):</b></p>	<p><input checked="" type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input 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) <b>Have trigger values for contingency plans or site remedial actions been exceeded (where they exist):</b></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>Trigger mechanisms to be evaluated in 2019.</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, as deemed appropriate for this Site in my professional judgement, the Monitoring and Reporting for Waste Disposal Sites Groundwater and Surface Water Technical Guidance Document (MECP, 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.

The completion of this Checklist is a requirement of the MECP. As always, we rely upon the MOE to undertake a complete review 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 responsibility to undertake their complete review of our report(s) to ensure compliance with environmental regulations, standards and approvals.

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:

Select Date

## Recommendations:

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

<p><input type="radio"/> <b>No Changes to the monitoring program are recommended</b></p> <p><input checked="" type="radio"/> <b>The following change(s) to the monitoring program is/are recommended:</b></p>	<p>Reintroduce SW13 to the surface water sampling program.</p>
<p><input type="radio"/> <b>No changes to the site design and operation are recommended</b></p> <p><input checked="" type="radio"/> <b>The following change(s) to the site design and operation is/are recommended:</b></p>	<p>A clarification on the allowable capacity was presented in the D&amp;O and Closure plan submitted to the MECP.</p>



<b>CEP Signature</b>		
<b>Relevant Discipline</b>	Professional Geologist with relevant experience and training.	
<b>Date:</b>	April 15, 2019	
<b>CEP Contact Information:</b>	John Pyke, P.Geo.	
<b>Company:</b>	Malroz Engineering Inc.	
<b>Address:</b>	308 Wellington St., 2nd Floor, Kingston ON	
<b>Telephone No.:</b>	613-548-3446 ext. 34	
<b>Fax No. :</b>	Type Here	
<b>E-mail Address:</b>	pyke@malroz.com	
<b>Save As</b>		<b>Print Form</b>

### 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 No. A442003.

*Malroz* has relied upon *TLTI* staff 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 data. Any third party use or reliance of this report, or decisions made based on this report, are the responsibilities of the third party. *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:  Albert Paschkowiak, C.E.T.,  
Environmental Technologist

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



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## 1.0 Introduction

The Lansdowne waste disposal site (the Site) operates under Amended Environmental Compliance Approval (ECA) No. A442003, issued by the Ministry of Environment, Conservation, and Parks (MECP), and dated March 24, 2016 (Appendix A). The Site is located on County Road 34 west of the Village of Lansdowne, in the Township of Leeds and the Thousand Islands (TLTI) (Figure 1, Appendix B).

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

Adam Goheen

Director of Operations

1233 Prince Street, P.O. Box 280

Lansdowne, Ontario, K0E 1L0

613-659-2415 ext. 211

[agoheen@townshipleeds.on.ca](mailto:agoheen@townshipleeds.on.ca)

Environmental Professional Contact

Mr. John Pyke, P.Geol.

Project Manager

308 Wellington St.

Kingston, Ontario, K7K 7A8

613-548-3446 ext. 34

[pyke@malroz.com](mailto:pyke@malroz.com)

## 2.0 Background

The geology, hydrogeology, physiography, and hydrology of the Site are described in this section.

## 2.1 Geological Setting

Based on available borehole logs, field observations, previous reports and mapping<sup>1</sup> from the Ontario Department of Mines, the bedrock in the vicinity of the WDS is comprised of granite and syenite.

Based on the borehole logs from wells installed in 2017 and 2018, the overburden appears to be a mixture of clay and silty clay. In some areas of the site, a thin ( $\leq 2$  m) layer of sand was observed between the clay and bedrock. A thicker layer of sand was observed at MW106 which extended from 8.5 mbg to the bottom of the borehole at 10.7 mbg. Depth to bedrock ranges from greater than 10.7 mbg to bedrock outcrops. There appears to be a bedrock ridge located along the eastern property boundary, before the eastern CAZ area. Figure 6 (Appendix B) presents a fence diagram depicting *Malroz's* conceptual understanding of the geology at the site.

## 2.2 Hydrogeology Setting

Results from groundwater monitoring conducted in 2018 indicate that shallow bedrock and overburden groundwater elevations are similar, and that shallow bedrock and overburden is connected hydraulically: A general upwards gradient is observed, with groundwater discharging to surface water. Seasonal variations, with instances of downward gradients, have been observed to the north of the site. Groundwater elevations and are presented in Figures 3 and 4 (Appendix B).

Based on the groundwater elevation data collected during the 2018 monitoring program, groundwater flows south-easterly in the shallow overburden aquifer and north-easterly in the shallow bedrock aquifer. This is consistent with monitoring results from previous years. Results suggest groundwater mounding is associated with the waste area.

## 2.3 Surface Water Features

The WDS represents a local topographic high. The surface water at the Site generally follows topography, flowing away from the waste mound towards drainage ditches located north, south, east, and west of the site. The drainage ditches to the west and east of the site flow north and join the ditch along the south side of County Road 34, which flows eastwards (Figure 2, Appendix B).

South of the WDS, surface water drains into a marshy area and is carried northeast by an un-named creek (Figure 2, Appendix B). The creek drains into the ditch located along the south side of County Road 34.

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<sup>1</sup> Map 2054, Gananoque Area, by F. Jupe and B. Jackson, Ontario Department of Mines, 1963.

*Malroz* surveyed the invert of the ditches surrounding the landfill in 2018 to assess potential groundwater and surface water relationships. Results of the survey are provided in Table 9 (Appendix G).

Based on the elevation of the surface water feature invert and groundwater in wells proximal to the surveyed locations, groundwater generally appears to be discharging to the surrounding surface water features bordering the site.

## 2.4 MECP Review

The MECP responded to the 2017 AMR in a memorandum dated August 23, 2018. The following comments were provided with regards to the groundwater program at the Site:

- Confirmed if the site is in an overflow situation and, if confirmed, appropriate actions should be taken to address this issue.
- Additional monitoring data is required to assess the adequacy of newly acquired buffer lands and recently installed monitoring wells.
- Leachate has the potential to impact surface water at the site and as such, a MECP surface water scientist should be consulted with respect to the surface water monitoring program.
- [The MECP reviewer] recommended that groundwater triggers be developed and provided in the updated D&O report which is also required and overdue.
- The reviewer supported the monitoring program proposed by *Malroz*, with the following exceptions: VOC monitoring should continue to be conducted as outlined in Schedule B of the ECA (every 5 years), and the domestic well located at 572 County Rd 34 be added to the monitoring program.
- The need for additional PFAS monitoring should be determined based on the results of the one-year assessment.
- Actions are required to ensure that all monitoring wells are maintained in compliance with O. Reg 903.
- The geological and hydrogeological descriptions provided consist of quoted interpretations and descriptions provided in previous reports. Future monitoring reports should provide unique interpretations for these sections prepared by the authors of the report.
- A completed and signed monitoring and screening checklist should be submitted with all future reports.

An additional memo dated January 18, 2019, from Lauren Forrester, a surface water specialist with the MECP, provided comments on the 2017 AMR and Development and Operations plan (D&O

Plan). The following comments were provided with regards to the surface water program at the Site:

- The monitoring program was not consistent with the Approval in 2017. To my knowledge, no approval was granted by MECP for abandoning monitoring station SW13. Sampling at that location should be resumed in the next monitoring session. Sampling at SW2 may be discontinued.
- A trigger mechanism and contingency plan, required under Condition 8(11) of the Approval, is lacking from the proposed Development, Operations, and Closure Plan. A trigger mechanism and contingency plan is overdue. The required plan should be developed and submitted for review as soon as possible.
- [The MECP reviewer] agrees with the findings and recommendation of the consultant, specifically:
  - Surface water monitoring should continue without change to the current surface water monitoring program
  - Sampling occur after rain events to improve likelihood of flowing conditions
  - Sampling at SW6 may continue, and
  - Ditch inverts should be confirmed to assess groundwater-surface water interactions
- Future reports should include an assessment of trends in concentration over time for key leachate indicator parameters in surface water stations.
- Electronic data should be provided in electronic format (i.e. MS Excel) to facilitate review.
- Surface water monitoring data submitted as Appendix G of the 2017 AMR should be reviewed for accuracy. Errors are noted in the submitted data.

Copies of the MECP Correspondence are included in Appendix K.

*Malroz* met with the MECP on March 21, 2019, to review action items for the Site. The following tasks and action were discussed:

- i. Discussion of PFAS sampling, rationale for sampling and use of subsequent analytical data.
- ii. Development of the trigger mechanism to be evaluated following completion of the additional delineation program and further input from Technical Support.
- iii. Observation of the brush pile and small stream flowing through the dug trench in the active waste disposal area will occur at the next monitoring event. Recommendations may follow.
- iv. Discrepancy between quoted Site capacity volumes in past AMRs and the ECA will be clarified in 2019. A Closure report has been submitted to the MECP for review. We



understand further direction regarding the sequence of review will be assessed in conjunction with the MECP District office.

### **3.0 Development and Operations**

A D&O and Closure Plan was submitted to the MECP on December 12, 2019. Preliminary comments have been received by the MECP and a plan to address comments has been discussed with the MECP District Office. The following sections summarize current site operations.

#### **3.1 Waste Disposal Site Description**

The Site operates under amended ECA A442003, which permits a 9.2-hectare waste disposal and transfer site within a total site area of 18.7 hectares (Appendix A).

The *TLTI* purchased an additional 50 metre buffer to the east of the site, amounting to approximately 3.7 ha, and the groundwater rights to an additional 12.7 ha beyond the eastern buffer (Figure 2, Appendix B). These lands were registered-to-title as a contaminant attenuation zone on June 2, 2017.

The Site relies on natural attenuation and is graded to minimize ponding and surface water contacting the waste pile. Storm water is managed by swales located at property boundaries. Landfill gas management is conducted via three gas vents located in the waste fill area.

#### **3.2 Site Access**

The Site can be accessed by County Road 34 (also known as Eden Grove Rd and King Street West). Geodetic coordinates for the Site benchmark are as follows (2013 Site survey):

Zone: NAD 83, 18T  
Easting: 0416311.6 m (+/- 0.5 m)  
Northing: 4971193.8 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 2016 census, the population of *TLTI* is 9,465. The site receives waste from a curbside pickup program in place for the town of Lansdowne.

### **3.4 Method of Waste Disposal**

Waste is received at the waste transfer station in the north portion of the site. Waste is placed by residents in labelled transfer bins from an adjacent built-up platform. Bins are then transported by staff to the active waste face and deposited using an area-fill method. Waste is compacted using a CAT compactor and covered bi-weekly. We understand that the site historically used the trench and fill method for disposal.

Metals and tires are separated out from the waste for recycling and disposal off-site. Recyclables are transported by Manco Recycling Systems Inc. to their facility in Napanee, Ontario, for processing.

Burning waste at the Site is not permitted. Clean wood and brush deposited at the Site are chipped on-site using a tub-grinder and deposited onto the waste mound.

### **3.5 Hours of Operation**

The entrance and exit gates are locked during non-operating hours. The Site's operating hours are:

Monday, Tuesday, Thursday, Friday, Saturday      8:30 a.m. – 4:45 p.m.

Signage (as per the ECA) is present at the site's entrance. Site attendants are on-site during the hours of operation and are responsible for directing the public to the waste drop-off and diversion areas within the site.

### **3.6 Waste Characteristics**

In accordance with the ECA, only solid non-hazardous municipal waste as defined under *Reg. 347* is accepted at the Site. Wastes are inspected by site staff prior to their acceptance at the Site. We understand that several loads were refused at the site in 2018 for one or more of the following reasons:

- size,
- the garbage was not contained in clear plastic bags,
- loads contained non-acceptable waste (tree stumps or shingles), and
- loads originating from outside the township.

White goods are received at the site via drop off and from the Briar Hill and Escott Landfills. These goods are drained of refrigerant prior to acceptance. White goods are removed from site by Manco for disposal at their facility in Napanee.

### **3.7 Phasing of Site Usage**

The waste mound at the site comprises two separate areas: the old waste mound to the south and the active fill area located at the north edge of the waste mound. Active waste filling will progress north towards the site's northern property boundary.

### **3.8 Cover**

Cover was applied in 2018 to the active waste mound in approximately 150 mm lifts on a bi-weekly basis. We understand that final cover has been applied to the southern, portion of the waste mound and interim cover has been applied to the middle portion (Figure 2, Appendix B).

Copies of waybills detailing the quantity of cover material purchased for the site are included in Appendix C. We understand the tickets are reported in cubic yards, with the later tickets reported in truck loads (approximately 17 cubic yards per truck). Based on discussions with the site superintendent, James Tuck, we understand approximately 3,116 m<sup>3</sup> of cover was deposited at the site in 2018.

### **3.9 Site Inspections**

Previous recommendations by the MECP to maintain records of the daily inspections were implemented as of April 23, 2018. Inspection results were recorded on daily field sheets which are included in Appendix D.

Inspections indicated that ponded water was observed periodically at the site as a result of rain events. Windblown litter and birds were observed around the Site on several occasions. Litter pickups and other actions taken to address these observations are described in the site inspection records. Leachate seeps were not observed during the inspections completed in 2018.

*Malroz* undertook inspections of the Site during the two monitoring and sampling programs on May 23 and November 18, 2018. Results of these inspections are included in Appendix E.

Illegal dumping continues to occur on Kidd Road South, next to the landfill. We understand efforts to address and prevent illegal dumping, including signage and investigations into the source of the waste, are ongoing.

### 3.10 Spills

A spill of approximately 25 litres of hydraulic oil occurred at the eastern entrance to the Landfill on April 18, 2018 from a ruptured hose on a *TLTI*-owned excavator. The spill was reported to the MECP Spills Action Centre and recovery efforts were undertaken to contain the contamination. *Malroz* was retained to observe components of the containment and to conduct verification sampling after the clean-up. Results of the verification sampling program were presented in a letter from *Malroz* to *TLTI* personnel dated August 13, 2018. We understand this letter has been forwarded to the MECP District office.

### 3.11 Record Keeping

Field notes and Site records are maintained at the Township offices, located at 1233 Prince Street, Lansdowne, Ontario. Copies of the daily site records are included in Appendix D. A summary of the waste logs kept for the site is provided in Appendix F.

### 3.12 Remaining Site Capacity

The current ECA identifies an approved area capacity of 9.2 hectares rather than a volume limit. Proposed design contours that establish a volume capacity were subsequently developed by BluMetric and *TLTI* in January 2017<sup>2</sup>. The proposed designs were provided to the MECP as part of a site closure plan, which was submitted in December 2018. The new design proposed a final capacity of 264,387 m<sup>3</sup>. Reshaping will be required once the landfill is closed.

Annual quantities of waste deposited at the site are estimated from annual surveys conducted by *Malroz* in December 2017 and 2018. Results of the surveys are presented below.

Year	Waste and Fill Deposited (m <sup>3</sup> )	Deposited to Date	Estimated Remaining Capacity (m <sup>3</sup> )	Average Fill Rate (m <sup>3</sup> /year)
2017	4,300	225,753	38,634	5,016
2018	3,753	229,506	34,881	4,620

*Malroz* calculated an average fill rate of 4,620 m<sup>3</sup> using fill rates from 2016, 2017, and 2018. Based on the average fill rate, the Lansdowne WDS has an estimated remaining lifespan of 7 years. Contours of the waste mound are presented in Figure 5 (Appendix B). The fill area remains within the approved area.

### 3.13 Record of Complaints

Two complaints were received regarding operation of the Site. The initial complaint, dated May 19, 2018, was received by the site attendant and related to refusal of loads due to a lack of proof

<sup>2</sup> Presented in the *Malroz* 2015-2016 AMR (Appendix F)

of residency within the TLTI. A second complaint was received on November 9, 2018, by a resident who requested that larger loads be accepted at the site.

#### 4.0 Description of Monitoring Program

The groundwater monitoring program was completed in accordance with the ECA, with the addition of wells newly installed by *Malroz*, and is detailed in the table below.

In addition to sampling the groundwater monitoring wells, *Malroz* attempted to collect a sample from the drinking water well located at 572 Country Road 34 during both sampling events. Access to the well was limited during the spring, as the home owner could not be reached to arrange access in time to accommodate the sampling date. Access was arranged for the fall sampling event.

Tasks	Analyses	Groundwater Wells
<p><b><u>Monitoring</u></b></p> <ul style="list-style-type: none"> <li>• Visual inspection of wells</li> <li>• Survey well location with GPS</li> <li>• Measure combustible vapours in wells</li> <li>• Measure depth to water and depth to well bottom</li> </ul> <p><b><u>Groundwater Sampling</u></b></p> <ul style="list-style-type: none"> <li>• Purge and sample each location</li> <li>• Examine water for impact (e.g. discolouration, LNAPL)</li> <li>• Measure field parameters</li> <li>• Submit samples for field analyses</li> </ul> <p><b><u>Well Inspection</u></b></p> <ul style="list-style-type: none"> <li>• Assess the condition of all monitoring wells included in the groundwater monitoring program</li> </ul>	<p><b><u>Field Parameters</u></b></p> <p>Temperature, pH, dissolved oxygen, oxidizing/reducing potential, conductivity, turbidity</p> <p><b><u>Laboratory Parameters:</u></b></p> <p>Alkalinity, Boron, N – Ammonia, Cadmium, BOD, Calcium, COD, Chromium, DOC, Cobalt, Conductivity, Copper, Hardness, Iron, pH, Lead, Phenols, Magnesium, Phosphorus (total), Manganese, TDS, Potassium, TSS, Silver, Total Kjeldahl Nitrogen, Sodium, Chloride, Strontium, N – Nitrate, Uranium, N – Nitrite, Vanadium, Sulphate, Zinc, Mercury, Aluminum, Arsenic, Barium</p> <p>Volatile Organic Compounds (VOCs) to be analyzed every 5 years</p>	<p><b><u>Existing Wells</u></b></p> <p>91-1, 91-2 (destroyed), 91-3, 91-4, 11-1, 11-2, 11-3, 11-4, 11-5(destroyed), 11-6, 11-7, 15-2, 15-1 (formerly 03-2)</p> <p><b><u>Malroz Wells:</u></b></p> <p>MW101, MW102 (bedrock), MW103, MW104 (bedrock), MW105, MW106, MW107 (bedrock).</p> <p><b><u>Drinking Water Wells:</u></b></p> <p>572 Eden Grove Road</p>

There are nine active surface water sampling stations located around the Site: SW1, SW4, SW8, SW11, SW12, SW13, SW14, SW15, and SW16. An additional surface water station (SW6) was included in the 2018 monitoring plan to assess potential impacts from nearby agricultural activities. A further surface water station (SW2) was also added to provide assist with evaluating potential leachate impacts to the south of the landfill. The surface water monitoring program is detailed below.

Tasks	Analyses	Surface Water Stations
<ul style="list-style-type: none"> <li>•examine water for impact (discolouration, staining)</li> <li>•measure field parameters</li> <li>•measure stream flow</li> <li>•sample each surface water station</li> <li>•submit samples for analyses</li> </ul>	<p><b><u>Field Parameters</u></b>                      temperature, pH, dissolved oxygen, oxidizing/reducing potential, conductivity, turbidity, flow.</p> <p><b><u>Laboratory Parameters</u></b>                      Schedule 5, Column 3: alkalinity, ammonia, un-ionized ammonia, arsenic, barium, boron, BOD, cadmium, chloride, chemical oxygen demand, chromium, conductivity, copper, iron, lead, mercury, nitrate, nitrite, total kjeldahl nitrogen, pH, total phosphorus, phenols, TDS, total suspended solids, sulphate, zinc.</p> <p>Plus: aluminum, calcium, cobalt, DOC, hardness, phosphorus (total dissolved), magnesium, manganese, nickel, potassium, silver, sodium, strontium, vanadium.</p>	<p><b><u>North Watercourse:</u></b>                      SW4, SW6 (voluntary), SW8, SW12, SW14, SW16</p> <p><b><u>South Watercourse:</u></b>                      SW1, SW11, SW15</p> <p><b><u>To Be Added in 2019:</u></b>                      SW13</p>

#### 4.1 Variations in Monitoring and Reporting

*Malroz* completed the groundwater and surface water programs as specified in the ECA, with the following variations:

- Sampling of the drinking water well locate at 572 Eden Grove Road could not be completed during the regularly scheduled spring event as the home owner could not be reached to arrange access.
- Surface water sampling station SW13 was not included in the surface water sampling program due to an error. It will be included in the 2019 program.

#### 4.2 Well Inspection

A well inspection was undertaken by *Malroz* during the sampling events in May and November 2018. The well inspection included a visual inspection of accessible portions of the well piezometer, casing, cap, lock, and well seal. Wells were assigned one of the following conditions:

- Poor – well integrity is compromised and the well requires repair
- Fair – exhibits some minor deficiencies, however well integrity is not compromised.
- Good – the well is in good condition with no obvious signs of damage.

The well inspection identified existing wells to be in either fair or good condition. A summary of the well inspections is provided in Table 1 (Appendix G).

### **4.3 Sampling and Monitoring Methods**

Prior to sampling, each well was monitored for depth to water, depth to bottom, and combustible gas vapours including methane. During monitoring, visual and olfactory observations were also recorded. Groundwater elevation data, based on measured depths to water, is presented in Table 3 (Appendix G).

Groundwater sampling was completed using dedicated wterra tubing equipped with a foot-valve or inertial pump. Prior to sampling, 3 to 5 well volumes of groundwater were purged from each well. At the completion of purging, water quality was monitoring using a Horiba multi-parameter instrument for the following parameters: temperature, pH, dissolved oxygen, oxidizing/reducing potential, conductivity, and turbidity. Each sample destined for metals analyses was field-filtered using a new disposable 0.45 micron inline filter.

Low-flow duplicate samples were collected from 11-2, 11-4, 11-1, 15-1 and MW106 in May, and from 11-2 and 11-4 in November utilizing a peristaltic pump. Low flow sampling was conducted to evaluate potential impacts of sediment on the groundwater chemistry.

Samples from the drinking water well were collected prior to treatment, from the faucet located at the entrance to the basement of the house.

Samples were collected using laboratory-supplied sample bottles containing preservatives appropriate for each parameter. Samples were submitted to Caduceon Environmental Laboratories (*Caduceon*) for analyses of the parameters listed outlined in Section 4.0.

### **4.4 Landfill Gas Monitoring**

Landfill gas was monitored at the site, during the spring and fall sampling events, was completed at each of the monitoring wells and the three landfill gas vents located in the southern portion of the landfill. Results of the landfill gas monitoring are presented in Table 4 (Appendix G).

### **4.5 Data Quality Evaluation**

*Caduceon* conducted the analyses for the groundwater and surface water samples. *Caduceon* is a Canadian Association for Laboratory Accreditation (CALA) accredited laboratory that uses *MECP*-recognized methods to conduct laboratory analyses.

## **5.0 Discussion of Results**

This section summarises and discusses the results of the 2018 monitoring and sampling program.

### **5.1 Well Inspection**

Results of the 2018 well inspection indicated that the monitored wells at the site were left locked and capped and were in fair to good condition. Minor repairs to some wells, including replacing J-plugs, adding locks, etc., were completed in 2018.

### **5.2 Groundwater and Methane Monitoring**

The methane monitoring program results are presented in Table 4 (Appendix G). The concentration of methane in the wells were generally below detection limits during both monitoring events with the following exception:

- Monitoring well MW101 exhibited concentrations of >99 %LEL and 7 %LEL during the spring and fall sampling events, respectively.
- Methane concentrations detected in the landfill vents located at the site were detected between no response and >100 %LEL, indicating they are functioning as intended.

The groundwater elevations in shallow overburden wells suggest groundwater is flowing southeast from the waste mound with potential groundwater mounding beneath the waste (Figure 3, Appendix B).

Results of the comparison between shallow groundwater elevation and surface water body inverts (Table 9, Appendix G) indicate a general upward vertical gradient. This suggests that shallow groundwater is discharging to the surface. Drainage ditches to the north, west, and east of the Site, as well as the southern wetland, may be influencing groundwater flow direction and acting as an intercept for leachate.

The three bedrock well (MW102, MW104, MW107) groundwater elevations suggest a flow to the east-northeast.

An upward vertical gradient between bedrock and overburden was observed at MW102 & MW103 west of the Site and at MW107 & 11-6 to the east. Wells MW105 and MW104, show seasonal variations with bedrock discharge to the shallow overburden in the spring and recharge in the fall. Further evaluation of the vertical gradient north of the Site will be monitored in future years.



### 5.3 Shallow Groundwater Evaluation

Analytical results from the shallow groundwater are summarized in Table 5, Appendix G. Laboratory certificates of analyses are presented in Appendix J. The shallow groundwater at the Site is characterized by 13 wells (listed in Table 2, Appendix G). The following wells and their intended uses, with respect to this monitoring program, are listed below:

<u>Background</u>	<u>Leachate</u>	<u>Compliance Monitors</u>
11-4	11-2	East - MW106
MW103 (alternate)		North - 11-1 and MW105 (off-site)
		South - 15-1 and 15-2(off-site)

#### **Background**

Well 11-4, located in an agricultural field to the west of the site, has historically been used to determine the background quality at the Site due to its location inferred to be up-gradient of the landfill (Figure 3, Appendix B).

The background overburden water quality at 11-4 exhibited elevated concentrations of DOC, hardness and nitrate, in exceedance of their associated Ontario Drinking Water Standards (ODWS) or Ontario Drinking Water Guidelines and Objective (ODWGOs). These parameters are consistent with agricultural impacts or geological conditions of the region.

#### **Leachate Monitoring (11-2)**

Leachate at the Site is monitored by well 11-2. Results from monitoring well 11-2 show ODWS and/or ODWOG exceedances of alkalinity, DOC, hardness, nitrate, TDS, aluminum, iron, and manganese during one or more sampling events in 2018.

Leachate characterization was assessed using leachate indicator parameters (LIPs). LIPs were selected by comparing results from the leachate monitoring well (11-2) to the 95<sup>th</sup> percentile of historic background (Table 5, Appendix G). Parameters exceeding the 95<sup>th</sup> percentile by 50% or more were considered as potential LIPs. Parameters for which the background exceeded ODWS criteria were removed from the list. Elevated concentrations of common leachate parameters were also observed at monitoring well MW103, which is located upgradient from the site. A second reduction in potential LIPs was conducted based on the results at MW103, to further our understanding of background conditions and distinguish leachate.

Based on the above assessment, the following LIPs were chosen for the site: alkalinity, ammonia, sulphate, and boron.

Potential Leachate Indicating Parameters		Core Leachate Indicating Parameters	Supplemental Leachate Indicating Parameters
alkalinity	barium	alkalinity	DOC
ammonia	boron	ammonia	iron
DOC	cobalt	sulphate	chloride
conductivity	manganese	boron	
hardness	potassium		
TDS	sodium		
chloride	strontium		
sulphate	Iron		

Parameters DOC, chloride and iron have previously been considered as LIPs, however, we have not included them as core LIPs for the following reasons:

- DOC: historic results have identified concentrations in the background well above the ODWS criteria and appear to be related to agricultural activities.
- Chloride: concentrations are elevated in the upgradient well MW103, which suggests a non-leachate source may be influencing chloride concentrations around the Site, such as road salting operations along the adjacent roadway.
- Iron: concentrations at the leachate well 11-2 exceeded the ODWS and ODWGOs at the spring event from conventional sampling methods. However, the low-flow sample collected from the well at the same event met the standards. Elevated iron may be related to suspended solids. Furthermore, the results of analyses for iron at the fall event were an order of magnitude below the standards. As a result of the variability in results iron was not considered a core LIP.

**Southern Monitoring Wells (91-4, 15-1, 15-2, 91-3)**

Evidence of leachate is present in wells 15-1 and 91-4, suggesting that leachate is migrating south from the Site, consistent with the shallow groundwater flow direction. A decrease in the LIP concentrations between upgradient well 91-4 and downgradient well 15-1 was shown in the data, suggesting attenuation is occurring. With the exception of iron and boron, concentrations of leachate parameters at 15-2 were less than the 95<sup>th</sup> percentile of historic background concentrations. Boron results met the ODWS. Iron was observed to be within an order of magnitude of the aesthetic objective at off-site location 15-2 and downgradient well 91-3, indicating that appreciable attenuation from further upgradient wells 91-4 and 15-1 is occurring. Monitoring wells 15-2 and 91-3 showed slightly elevated concentrations of other LIPs when compared to background, suggesting minor leachate impact and attenuation from the leachate well. Groundwater elevations and surface water monitoring indicate that shallow groundwater is

discharging to surface water in the south of the site. Additional monitoring is recommended to evaluate trends.

### **Eastern Monitoring Wells (11-6, 11-7, MW106)**

Monitoring well 11-6 showed attenuated concentrations of LIPs when compared to the nearby leachate well 11-2. Monitoring wells 11-7 and MW106 showed slightly elevated concentrations of alkalinity and ammonia when compared to background in the spring. However, in the fall, these concentrations increased and were observed to be higher than the leachate well 11-2, potentially impacted by agricultural activity. Sulphate and boron were observed to attenuate from the leachate well 11-2 to wells 11-7 and MW106.

Significant variability in the concentrations of parameters in the leachate well (11-2) compared to wells downgradient and east of the Site was observed, including 11-6, 11-7 and MW106. This includes DOC, hardness, iron and manganese. Considering the agricultural land-use, the regional geologic composition, and shallow nature of the groundwater (occurring near to the ground surface), in our opinion, this variability is expected

### **Northern Monitoring Wells (11-1, 11-3, MW105)**

Results from monitoring wells located to the north of the waste mound show that attenuation is occurring as groundwater flows north towards Eden Grove Road. Concentrations of LIPs at monitoring well 11-3 were slightly elevated when compared to background, however, these concentrations have attenuated at downgradient well 11-1. Monitoring well 11-1 showed elevated concentrations of alkalinity, however MW105 shows attenuation further downgradient, which may indicate that shallow groundwater flow from the Site is being intercepted by the drainage ditches. Groundwater chemistry in the vicinity of Eden Grove Road may be impacted by road salting activities.

### **Volatile Organic Compounds Analyses (VOC)**

The VOC analyses conducted in 2018 were reported below the laboratory reporting limit, with the exception of a detection of chloroform in well MW107 during the spring sampling event, and chlorobenzene at well 91-4 during the fall event (Table 6, Appendix G). VOCs were not detected at the site in the previous monitoring programs and do not appear to be related to leachate or landfill activities. Evaluation of the need for ongoing VOC analyses should be considered.

## **ODWS and ODWGO Evaluation**

Exceedances of the ODWS are presented in Table 5 (Appendix G) and are limited to nitrate, and arsenic. Concentrations of nitrate are greatest in the background monitoring wells and are expected to be related to agricultural activities. Exceedances of arsenic are limited to monitoring well 91-4. Given concentrations of arsenic are an order of magnitude less in the leachate well and concentrations did not exceed the standard at other wells, arsenic is not expected to be leachate related at this time.

Exceedances of the ODWGOs were detected for the following parameters: alkalinity, hardness, TDS, chloride, iron and manganese. Exceedances of the ODWS in the offsite well, MW105, were limited to hardness, TDS, pH and temperature. The reference criteria for these parameters are aesthetic in nature or related to operational guidelines for water treatment systems.

### **5.4 Bedrock Groundwater Evaluation**

Bedrock data was available from three monitoring wells:

- MW102 located 175 metres west of the landfill;
- MW104 located across Country Road 34, 200 metres north of the active fill area; and,
- MW107 located approximately 50 metres southeast from 11-2.

Given the direction of groundwater flow to the north-east, results from MW102 are considered to be representative of background groundwater conditions. A bedrock well was not located in the waste mound, however, results were compared to MW107 located approximately 50 metres to the east.

Groundwater elevation monitoring of shallow wells and the bedrock wells has indicated a general upwards gradient at the site (see Section 5.2). As such the influence of the landfill to the bedrock below the shallow groundwater is anticipated to be mitigated and, the bedrock groundwater may be influencing shallow groundwater quality.

Results from MW102 indicate background bedrock groundwater quality is characterized by elevated concentrations of DOC, hardness, TDS, iron, and manganese which exceed the ODWS or ODWGOs. Elevated levels of chloride, aluminum, barium, magnesium were also detected at levels approaching their ODWS or ODWGOs, or near their typical landfill leachate concentrations<sup>4</sup>. A limited dataset was available for the background bedrock monitor, and as such, caution should be used when interpreting results.

Results from the bedrock well MW104, located to the north of the Site, were generally consistent or less than concentrations observed in the background well.

Results from well MW107, adjacent and downgradient of the waste fill area, indicate elevated concentrations of core and supplemental leachate indicators (DOC, sulphate and boron). Comparing groundwater elevations at MW107 and 11-6, and considering that bedrock drops off to the east of MW107 (observation at 11-7 and MW106), it is anticipated that the groundwater at MW107 is hydraulically connected to the overburden and monitored by wells 11-7 and MW106. Both wells are anticipated to be downgradient from MW107. As such, reasonable characterisation of the groundwater quality downgradient of MW107 is provided by the existing overburden wells.

## **5.5 Drinking Well Evaluation**

Results from the drinking water well at 572 Eden Grove Road are summarized in Table 7, Appendix G. The results of the fall analyses were reported below the ODWS, with the exception of hardness, TDS, chloride, and manganese during the fall. The residential well could not be accessed during the spring sampling event.

The residential well is located upgradient from the landfill and, based on discussions with the well owner, is installed in the deep bedrock. Results are expected to be unrelated to landfill operations.

## 5.6 Surface Water Evaluation

Analytical results from the surface water sampling program are summarized in Table 8, Appendix G. The surface water chemistry at the Site is characterized by the following sampling stations:

Station	UTMs (NAD 83, Zone 18)	
	Northing (m)	Easting (m)
Southern Surface Water Stations		
SW1	4916518	416491
SW2	4916548	416396
SW11	4916509	416302
SW15	4916390	416219
Northern Surface Water Stations		
SW4	4917168	416314
SW6	4917066	416218
SW8	4917808	416459
SW12	dry	dry
SW16	4917220	416380
Downstream Surface Water Stations		
SW14	4917263	417071

For the purposes of describing the chemical characteristics of each surface water feature, the following sections will evaluate the north watercourse, west in the roadside ditches, and south stream/marsh separately. The locations of surface water stations are presented in Figure 2 (Appendix B).

### North Watercourse:

The north half of the property drains to smaller drainage ditches, located parallel to the east and west property edges, which flow into the roadside ditch along the south side of County Rd 34 (Figure 2, Appendix B). Groundwater is expected to discharge to these ditches, based on the invert of these ditches and groundwater elevations at the site.

Surface water station SW4 was used as a background station in 2016 due to its upgradient location relative to the landfill. Surface water station SW6, located upstream (west) of SW4, along the drainage ditch west of the landfill, was temporarily added in 2017 to assist with the characterization of background conditions.

Results of the surface water analyses within the north watercourse in 2018 are as follows:

- Background stations continued to exhibit elevated levels of total phosphorous and metals, including cobalt, copper, iron, vanadium, and zinc at levels above the PWQOs and cadmium concentrations exceeding Table B of the MECP Technical Guidance Document<sup>3</sup>. These results indicate background loading of the north stream is occurring.
- Concentrations of iron, a typical leachate indicator, appear to be elevated in the majority of surface water stations, but appear to be background related. Concentrations of iron were generally lower than the background station in the downstream station SW14.
- Nitrate loading of the stream was observed during the November sampling event and appeared to originate from the background stations. Nitrate impacts are inferred to be related to nearby agricultural activity.
- Concentrations of alkalinity, ammonia, boron, DOC, conductivity, and chloride were elevated at SW12, located east of the active waste area.
- Elevated levels of sodium and chloride at the north stream stations indicated possible contributions from road salting.

With the exception of boron in May, concentrations of the following core LIPs in downgradient station SW14 were within the 95 percentile of values previously reported for the background station (SW4) and generally close to the historic average: alkalinity, ammonia, and sulphate. The north stream appears to be receiving some leachate contributions, but attenuation is occurring between the landfill and the downgradient station (SW14).

#### South Marsh Area

The background station for the south marsh area is SW15, which is located furthest upstream from the WDS and is in the marsh area southwest of the Site. Results of the chemistry analyses within the south watercourse in 2018 are as follows:

- Background results at SW15 exceeded the PWQOs on one or more occasion in 2018 for iron, total phosphorous, zinc, cadmium, copper, vanadium, pH and/or DO.
- Results at SW15 show some similarities (eg: nitrates) to the northern background stations (SW4 and SW6) and may contain inputs from the nearby agricultural activities.
- Results show minor increases in alkalinity and boron, and in the supplemental leachate indicators DOC and chloride, at surface water stations next to the landfill. However, most parameters are within the historic 95<sup>th</sup> percentile of the background data and are proximal to the historic average at background station SW15.
- With the exception of sulphate in November, concentrations of core LIPs were consistent between the downgradient station SW1 and the background station SW15.

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<sup>3</sup> MECP, Technical Guidance Document Monitoring and Reporting for Waste Disposal Sites (November 2010).

These results suggest potential leachate contributions to surface water south of the site. Concentration trends of LIPs should be further evaluated in 2019 to assess if SW15 remains a suitable background location.

Exceedances of the PWQOs observed during 2018 are as follows:

<u>Parameter</u>	<u>May</u>	<u>November</u>
alkalinity	SW1	
unionized ammonia		SW12
pH (lab)	SW14	SW1, SW2
phenols	SW12	SW16, SW8, SW12, SW14, SW1
aluminum	SW12	SW4, SW2, SW1
arsenic	SW12	SW12
boron	SW12	SW12
cadmium		SW6, SW4, SW15, SW2, SW1
cobalt	SW6, SW4, SW12	SW6, SW4, SW16, SW8, SW12, SW14, SW15, SW11, SW2, SW1
copper	SW6, SW4, SW12	SW6, SW4, SW16, SW8, SW12, SW15
iron	SW6, SW4, SW8, SW12, SW14, SW15, SW2, SW1	SW6, SW4, SW16, SW8, SW12, SW14, SW15, SW11, SW2, SW1
vanadium	SW6, SW4, SW12	SW6, SW16, SW8, SW15
zinc	SW6, SW4, SW16, SW12, SW14, SW15, SW11, SW2, SW1	SW6, SW4, SW16, SW12, SW14, SW15, SW2, SW1
pH (field)	SW4, SW14, SW11,	SW16, SW8, SW14, SW15, SW11, SW1
total phosphorous	SW6, SW4, SW16, SW8, SW12, SW14, SW15, SW11, SW2, SW1	SW6, SW4, SW16, SW8, SW12, SW14, SW15, SW11, SW2, SW1
dissolved oxygen	SW6, SW12, SW2, SW1	SW6, SW8, SW14, SW15, SW11, SW1
unionized ammonia (field)	SW4, SW14	SW12
lead		SW6



Exceedances of the CWQG (or Table B) in May include phenols and chloride at SW12, cadmium at SW6, SW4, SW12, SW14, and SW11, and zinc at SW12. Exceedances of the CWQG in November include phenols at SW8 and SW12, nitrate at SW6, SW4, SW16, SW8, SW12, SW14, and SW15, nitrite at SW12, cadmium at SW6, SW4, SW8, SW12, SW14, SW15, SW11, SW2, and SW1, and zinc at SW6, SW4, SW16, SW8, SW12, SW15, SW2 and SW1.

Exceedances of the Table A, Aquatic Protection Values (APVs), in May included iron at SW6, SW4, SW12, and SW15, lead at SW4 and SW12, and pH at SW4 and SW14. Exceedances of the APVs in November included sulphate at SW12, copper at SW6 and SW12, iron at SW6, SW4, SW16, SW8, SW14, SW15, SW11, SW2, lead at SW16, SW8, and SW15, zinc at SW6 and SW1, and pH at SW11.

A number of the exceedances noted above appear to be related to background loading of the stream, including those reported at SW14. Some exceedances at SW12 may be leachate related, however, leachate-related exceedances appear to attenuate prior to the downstream station SW14. Leachate related impacts above the standards are not expected to continue beyond SW14.

Surface water station SW13 should be added to the surface water sampling program in 2019 to assess water quality downgradient from the southern watercourse.

## **5.7 Reasonable Use Policy**

The ECA requires that the Site 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) have been calculated for the analyzed parameters with corresponding ODWS (see Appendix I) for the overburden and bedrock aquifers.

The reasonable use policy was previously applied to monitoring wells 11-1, 11-7, 15-1 and 91-3, which are located near the boundary of the site and associated CAZ. Recently installed monitoring well MW106 has replaced compliance well 11-7 to the east. Monitoring well MW105, located immediately off site to the north of the landfill and on the other side of Eden Grove Road, was also compared to the RULs.

Bedrock well MW104 was compared to the bedrock RULs. Bedrock RULs were also applied to overburden monitoring MW106 in lieu of the eastern bedrock well MW107, given the rationale outlined in Section 5.4. Results indicate exceedances of RULs in May and November. Results from the newly installed well MW103 located upgradient (northwest of site) indicate that the exceedances for alkalinity, DOC, hardness, TDS, chloride, and manganese appear to be related to background, agricultural activities and/or potential impacts from road salting. Therefore, these parameters have not been applied as part of the reasonable use evaluation at this location.

Iron concentrations are elevated in compliance wells MW106, 15-1, 11-1, and 91-3. However, results of the analyses conducted at the leachate well (11-2) and results of concurrent low flow sampling show either little to no iron concentrations in the leachate at this location or that concentrations appear to be related to suspended solids. Results indicate background concentrations of iron are elevated above the ODWGOs in the bedrock aquifer. Considering the above regarding iron, we are of the opinion the site is in compliance with the RUL for iron.

### **Northern Property Boundary**

Groundwater exceedances of the RULs were reported at 11-1 near the Site's north property boundary. These exceedances of the RULs generally do not extend to MW105 which is located 50 metres north of the property line, and 25 metres north of County Road 34 right of way. Exceptions include Hardness, TDS, and chloride during both events, and an exceedance of barium during the November event. Concentrations of these parameters are consistent with road salting, agricultural land use and the nature of the bedrock concentrations. Further monitoring of these trends is recommended as part of the ongoing monitoring program.

### **Eastern Property Boundary**

Exceedances of the RULs at the eastern most well (MW106), are limited to DOC, hardness, iron and manganese. Contributions to concentrations of DOC are expected from the agricultural land use. Hardness has been observed to be naturally variable in the area. Iron concentrations in the leachate well (11-2) were observed to be below those reported in compliance well MW106, indicating the iron is not related to the landfill. Manganese concentrations exceed the RUL but are below the 95<sup>th</sup> percentile of the background and concentrations in the upgradient well MW103, indicating leachate is not contributing additional impacts.

### **Southern Property Boundary**

Exceedances of the RUL to the south of the property have been reported for alkalinity, DOC, hardness, TDS, barium, iron, and manganese. The majority of these parameters are expected to be related to background and/or agricultural activities. Groundwater in this vicinity is expected to discharge to the adjacent surface water body, therefore, the surface water monitoring program plays an important role in monitoring impacts and evaluating compliance.

### **Bedrock**

Exceedances of the RULs in bedrock well MW104, located north of the subject site, were limited to hardness and TDS, and are not expected to be leachate related. Groundwater in the bedrock in the vicinity of MW107 is expected to discharge to the overburden aquifer and, as such, the RUP was not applied at this location.

## 6.0 Conclusions

The Lansdowne WDS is an active site which accepts non-hazardous solid waste. The Site relies on natural attenuation of impacted groundwater which is expected to discharge the site's surrounding drainage features and adjacent wetland. The site is subject to Ministry Guideline B-7. We offer the following conclusions for consideration:

- i. The site received approximately 3,753 m<sup>3</sup> of waste in 2018.
- ii. The site has a remaining capacity of 34,881 m<sup>3</sup> (based on the proposed design in the recently submitted D&O) and an estimated remaining lifespan of 7 years.
- iii. One spill was reported at the WDS in 2018, however, this spill was remediated and verification sampling was completed.
- iv. Core leachate parameters have been revised to alkalinity, ammonia, sulphate, and boron due to elevated background levels of chloride, DOC and iron. These parameters are expected to be related to agricultural impacts, road salting operations, and/or naturally elevated levels found within the bedrock and sand layer at the bedrock overburden interface.
- v. Based on the 2018 monitoring results and our current understanding of the Site conceptual model, the site meets the Reasonable Use Policy. Exceedances of some of the calculated Reasonable Use Limits are not expected to be related to leachate. Where leachate-related exceedances exist, groundwater discharges to surface water features around the site and is assessed through the surface water monitoring program.
- vi. Potential leachate impacts to the surface water appear to be limited within the site boundaries. Leachate impacts may be masked by background loading of a number of indicators parameters. Concentrations of leachate indicators in downstream surface water stations do not appear to be leachate-related based on the surface water evaluation.

## 7.0 Recommendations

The following recommendations are made for the operations, surface water and groundwater monitoring plans:

1. The sampling program should continue to include wells MW101, MW102, MW103, MW104, MW105, MW106, MW107.
2. Monitoring should continue twice per year during the spring and fall, using the established parameter list.
3. The monitoring well network should be evaluated following development of a trigger mechanism and unused wells should be abandoned in accordance with O. Reg. 903.
4. Final cover should continue to be applied to portions of the waste fill area that have reached final contours.
5. At the time of final cover placement, adjust waste pile so that it conforms to the new design.

6. Attempt to complete surface water sampling events following rain events to increase probability of flowing conditions.
7. Include surface water station SW13 in the 2019 sampling program.
8. Continue to sample surface water station SW6 to assess source of metals impacts to the north stream. Evaluate surface monitoring program stations SW4 and SW6 for contribution to surface water interpretation with MECP.
9. Remove the drinking water well at 572 Eden Grove Road from the sampling plan as this well is located upgradient of the landfill.
10. Develop a trigger mechanism for evaluation with the District and Regional Technical Support.
11. Evaluate the presence of tile/engineered drainage in the field located to the east of the Site.

## 8.0 References

Andrew Day. Annual Groundwater and Surface Water Monitoring Report for Lansdowne WDS (ECA No. 442003), Township of Leeds and the Thousand Islands, 2012-2013-2014.

Ontario Drinking Water Standards (ODWS) from Ontario Regulation 169/03 of the Safe Drinking Water Act (2002). Last amendment: O. Reg. 373/15.

Provincial Water Quality Objectives (PWQO) from the Ministry of Environment and Energy's Water Management Policies & Guidelines, July 1994.

Technical Guidance Document: Monitoring and Reporting for Waste Disposal Sites Groundwater and Surface Water. Ministry of the Environment, November 2010.

2011 Annual Report Lansdowne Waste Disposal Site ECA No. A442003. JP2G Consultants Inc. October 2012, File No. 2083071E.

2015-2016 Annual Monitoring, Development and Operations Report, Malroz Engineering, June 2017

2017 Annual Monitoring, Development and Operations Report, Malroz Engineering, March 2018.

**Appendix A**  
**Amended Environmental Compliance Approval (ECA) No.**  
**442003**



Ministry of the Environment and Climate Change  
Ministère de l'Environnement et de l'Action en  
matière de changement climatique

**AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER A442003

Issue Date: March 24, 2016

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: Lansdowne Waste Disposal Site  
Lot 12, Concession 2  
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 9.2 hectare waste disposal/transfer site within a total site area of 18.7 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;

“*HHW* ” means household hazardous waste;

“*Ministry*” means the Ontario Ministry of the Environment and Climate Change;

"*NMA* " means *Nutrient Management Act* , 2002, S.O. 2002, c. 4, 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 232*" means Ontario Regulation 232/98 (New Landfill Standards) made under the *EPA* , as amended;

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

"*Regulation 903*" means Regulation 903, R.R.O. 1990, made under the *OWRA*, 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 Lansdowne Waste Disposal Site, Lot 12, Concession 2, 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 present, past and historical operations at 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 acquires an interest in the property as a result of the dealing.
- (15)
  - (a) Within ninety (90) 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 and 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* and the *District Manager*, written verification that the Certificate of Requirement has been registered on title.

### **Registration on Title Requirement - Contaminant Attenuation Zone (CAZ)**

- (16) Within thirty (30) calendar days from the date of establishing a contaminant attenuation zone (CAZ) (overburden and/or bedrock aquifers) in either fee simple or by way of a groundwater easement, the *Owner* shall submit to the *Director* a completed Certificate of Requirement which shall include:
  - (a) If rights are obtained in fee simple, the *Owner* shall provide:
    - (i) documentation evidencing ownership of the CAZ obtained in compliance with *Regulation 232*, as amended;
    - (ii) a completed Certificate of Requirement and supporting documents containing a



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 information and logs required in conditions 6 (1) to 6(5) inclusive, condition 4(1)(c), condition 5(1), condition 5(2) and condition 10(2) shall 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.
- (19) 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.
- (20) 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* or the local municipal office at all times.
- (21) 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 waste diversion areas.
  - (4) The *Owner* shall install and maintain signs at the waste diversion areas informing users what materials are acceptable and directing users to appropriate storage areas.
  - (5) The *Owner* shall install and maintain a sign(s) identifying the designated bin used to temporarily store waste which will be landfilled.

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

- (6) 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**

- (7) Burning of waste at the *Site* is prohibited.

**Site Access**

- (8) (a) Waste shall only be accepted during the following time periods:  
Monday, Tuesday, Thursday, Friday and Saturday from 8:30 a.m. to 4:45 p.m.
- (b) Notwithstanding condition 2(8)(a), waste from Township operations may be accepted outside the hours provided in condition 2(8)(a) when a *Trained Personnel* are available on *Site*.
- (9) 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*.
- (10) 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**

- (11) 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 operations at the *Site*.
- (12) 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.

### 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 the *EPA* and *Regulation 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 Inspections and Inspection Log**

- (1) An inspection of the entire *Site* and all equipment on the *Site* shall be conducted each day the *Site* is open to ensure that:
  - (a) the *Site* is secure;
  - (b) the operation of the *Site* is not causing any nuisances;
  - (c) the operation of the *Site* is not causing any adverse effects on the environment or impairing water quality; and
  - (d) the *Site* is being operated in compliance with this *Approval*.
- (2) Any deficiencies discovered as a result of the inspection shall be remedied immediately, including temporarily ceasing operations at the *Site* if needed.
- (3) An electronic or written record of the inspections shall be maintained and shall include the following:
  - (a) the name and signature of person that conducted the inspection;
  - (b) the date and time of the inspection;
  - (c) the list of all deficiencies discovered during the inspections, including but not limited to:
    - (i) the presence of any leachate seeps;
    - (ii) the condition of the methane venting system;
    - (iii) poor drainage conditions and ponding of surface water; and



- (iv) the presence of waste outside of the approved fill area;
- (d) the recommendations for remedial action to address the identified deficiencies; and
- (e) the date, time and description of the remedial actions taken.

### **Daily Waste Log**

- (4) A daily log shall be maintained in written or electronic format and shall include the following information:
  - (a) the type, date and estimated quantity (tonnes) of all waste, including non-landfilled waste received at the *Site*;
  - (b) the type, date and estimated quantity (tonnes) of cover material applied at the *Site*;
  - (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 all refusals of waste shipments, the reason(s) for refusal, and the origin of the waste, if known; 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.

### **Other Information**

- (5) Any information requested, by the *Director*, the *District Manager* 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.

### **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 on the *Site*'s compliance with Guideline B7;
  - (c) 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 *Ministry* approved contingency plans;
- (d) 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;
  - (e) 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;
  - (f) a calculation of the remaining capacity of the *Site* or an estimate of the remaining *Site* life;
  - (g) summary of total annual quantity (tonnes) of waste received at the *Site*;
  - (h) a summary of any complaints received and the responses made;
  - (i) a summary of the information included in the logs required by conditions 6(1) to 6(5) inclusive, conditions 4(1)(c), 5(1), 5(2) and 10(2);
  - (j) a summary of the daily waste log;
  - (k) a discussion of any operational problems encountered at the *Site* and corrective action taken;
  - (l) any changes to the *Ministry* approved Design and Operations Report and the Closure Plan that have been approved by the *Director* since the last *Annual Report*;
  - (m) a report on the status of all monitoring wells and a statement as to compliance with *Regulation 903*;
  - (n) a description and location of any leachate seeps identified during the daily inspection of the *Site* and the mitigative measures taken to address the presence of seeps;
  - (o) a summary of the daily inspections conducted over the monitoring period;
  - (p) any other information with respect to the *Site* which the *District Manager* may require from time to time; and
  - (q) a copy of the most current ministry approved monitoring programs in table format
  - (r) compliance status with all conditions of the *Approval* and the approved Design and Operations Plan.
  - (s) a "Monitoring and Screening Checklist" completed and signed by a Qualified Professional.

## 7. LANDFILL DESIGN AND DEVELOPMENT

### Approved Waste Types

- (1) Only municipal waste as defined under *Regulation 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.

### **Design and Operations Report**

- (4) 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;
  - (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 water 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 emergency situations that may occur at the *Site*;
- (v) storm water management, including the location and the design of any works required;
- (w) any other information relevant to the design and operation of the *Site* or the information required by the *District Manager*;
- (x) the need to install additional passive vents; and
- (y) details of the collection, temporary storage and removal of accumulated household hazardous waste at and from the *Site*.

### **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*.

### **Cover**

- (6) 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 *Regulation 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.
- (7) Cover material shall be applied as follows:
  - (a) **Periodic** Cover - Weather permitting, deposited waste shall be covered weekly during summer months and once every two weeks during winter months 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 within three (3) months. 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.
- (2) The *Owner* shall maintain passive landfill gas vents on *Site*.

### Compliance

- (3) 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

- (4) The *Owner* shall monitor surface water and groundwater in accordance with the monitoring programs outlined in documents listed in the attached Schedule "B".
- (5) 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.
- (6) Within one (1) month from the date of this *Approval*, the *Owner* shall provide to the *Director* an action plan with timelines to bring the *Site* into compliance with the Reasonable Use Guideline B-7 which shall include the following as a minimum:
  - (a) Installation of additional monitoring wells to the east of monitoring well 11-7 to delineate leachate impacts in this direction;
  - (b) Installation of additional monitoring wells required to delineate leachate impacts in the overburden unit to the north, east, and west;
  - (c) Installation of a new background monitoring well to assess background groundwater quality at the *Site*;
  - (d) Installation of at least three bedrock monitoring wells;
  - (e) Assessing the need for and location of additional bedrock monitoring wells depending on the results obtained from the above three bedrock monitoring wells; and
  - (f) Appropriate contingency plan to be implemented which may include acquisition of an

appropriate buffer and CAZ once leachate impacts have been delineated.

### **Groundwater Wells and Monitors**

- (7) The *Owner* shall ensure that all groundwater monitoring wells which form part of the monitoring program are properly capped, locked and protected from damage and maintained in accordance with *Regulation 903*.
- (8) Where landfilling is to proceed around monitoring wells, suitable extensions shall be added to the wells and the wells shall be properly re-secured.
- (9) 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* or the *District Manager* for abandonment, shall be decommissioned by the *Owner*, as required, in accordance with *Regulation 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**

- (10) By December 31, 2016, the *Owner* shall bring the *Site* into compliance with B-7 within the overburden aquifer.
- (11)
  - (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 (bedrock) 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 bedrock groundwater quality exceeds any trigger mechanism.
- (12) 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.

- (13) 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 seven (7) days after confirmation of the exceedances;
  - (b) within six (6) months from the date of confirming the need to implement contingency measures, 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 *Director* for approval; and
  - (c) The contingency measures shall be implemented by the *Owner* upon approval by the *Director*.
- (14) 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, Trigger Mechanism and Contingency Plan**

- (15) The *Owner* may request to make changes to the monitoring program(s), Trigger Mechanism and Contingency Plan 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.
- (16) 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.
- (17) 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 two (2) 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 provide a segregated area for the storage of *Refrigerant Appliances* to ensure all *Refrigerant Appliances* 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) As a minimum, 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.
- (4) 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.
- (5) Unless exempt under legislation, waste must be transported by a *Ministry* approved hauler and must be transported to a *Ministry* approved receiving site.
- (6) Collection, storage and transfer of Waste Electrical and Electronic Equipment shall be in accordance with the documents in the Schedule "A". If there is any discrepancy between 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.
- (7) Collection and storage of batteries shall be in accordance with the document titled "Municipal Hazardous or Special Collection Site Standards" dated October 1, 2012 as amended, prepared by Stewardship Ontario.

#### **Organic Waste Handling and Rejected Waste**

- (8) Bins for the collection of kitchen waste (organics) shall be maintained in a manner no odour, vector or vermin issues are created. In the event the waste is creating an odour or vector or vermin problem, the *Owner* shall dispose waste in the landfill.

#### **11. HHW**

- (1) All *HHW* accepted at the *Site* shall be collected, stored and transported out of the *Site* by a *Ministry* in accordance with the *Ministry* guideline titled "Household Hazardous Waste Collection and Facility Guideline" dated May 1993.
- (2) The *Owner* shall include details of collection and drawings for construction of the storage area or as built drawings for the existing storage showing compliance with the condition 11 (1) above, in the Design and Operation Report required under the Condition 7 (4).

#### **SCHEDULE "A"**

1. Application for a Certificate of Approvals for a Waste Disposal Site dated July 28, 1971 including the following documents attached:
- Supporting information to an Application for Approval of a Landfill Disposal Site.
  - Memo Williamson-Rivoche dated August 9, 1971.
  - Letter dated Aug. 4, 1971 from Mrs. Crawford, Municipality of Front of Leeds &

- Lansdowne.
- Ontario Water Resources Commission memo dated July 26, 1971, to Mr. Rivoche from L. G. South, District Engineer.
  - O.W.R.C. copy of letter to Mr. Poldervaart, dated July 23, 1971.
  - Copy of W.M.B. letter from G.B. Rivoche to Mrs. G. Crawford, dated June 21, 1971.
  - Aerial photograph of proposed site.
  - Letter from Mr. L. Poldervaart dated July 5, 1971.
  - Letter and petition dated July 9, 1971 from people of the area.
2. Application for a Certificate of Approval for a Waste Disposal Site (Transfer) dated June, 1990.
  3. Report of Analysis of "fine material" by ACCUTEST laboratories ltd. dated November 25, 1998.
  4. Amendment application for approval of a waste disposal site dated May 25, 1999 and a cover letter by Milburn Waster Resources Management dated May 17, 1999.
  5. A fax message dated June 10, 1999, from Jim Mulder, Milburn Waste Resources Management to Tesfaye Gebrezghi, Ministry of Environment.
  6. Application for a Provisional Certificate of Approval amendment for a Waste Disposal Site dated December 4, 2000 and a covering letter dated December 1, 2000, both signed by Wayne Forbes, Roads and Public Roads Supervisor, the Township of Leeds and the Thousand Islands.
  7. A fax message dated January 18, 2001, from Wayne Forbes, Roads and Public Roads Supervisor, the Township of Leeds and the Thousand Islands to Ministry of the Environment.

## SCHEDULE "B"

### Groundwater and Surface Water Monitoring

**Table B1- Monitoring Locations**

<b>Groundwater</b>		<b>Surface Water</b>	
<b>Spring and Fall</b>		<b>Spring and Fall</b>	
91-1	11-4	SW1	SW13
91-3	11-6	SW4	SW14
91-4	11-7	SW8	SW15
11-1	15-1	SW11	SW16
11-3	15-2	SW12	

**Table B2- Monitoring Parameters**

Parameters	Groundwater		Surface Water	
	Spring and Fall		Spring and Fall	
<b>Lab</b>	Alkalinity	Total phosphorus	Alkalinity	Potassium
	Ammonia	Potassium	Ammonia	Suspended Solids
	Aluminum	Sodium	un-ionized ammonia	Sodium
	Arsenic	Suspended Solids	Aluminum	Silver
	Barium	Total Dissolved Solids	Arsenic	Total Dissolved Solids
	Boron	Sulphate	Barium	Sulphate
	Cadmium	Zinc	Boron	Zinc
	Calcium	Biochemical Oxygen Demand	Cadmium	Biochemical Oxygen Demand
	Chloride	Chemical Oxygen Demand	Chloride	Chemical Oxygen Demand
	Chromium	Dissolved Organic Carbon	Chromium	Phenol
	Conductivity	Phenol	Cobalt	Hardness
	Copper	Hardness	Conductivity	
	Iron		Copper	
	Lead		Iron	
	Magnesium		Lead	
	Manganese		Mercury	
	Mercury		nickel	
	Nitrate		Nitrate	
	Nitrite		Nitrite	
	Total Kjeldahl Nitrogen		pH	
pH		Total phosphorus		
<b>Field</b>	Temperature		Temperature	
	pH		pH	
	Conductivity		Conductivity	
			Dissolved Oxygen	
			Flow (observation only)	

**Table B3- Volatile Organic Compounds-Groundwater**

Parameters	Groundwater	
	Spring	
Volatile Organic Compounds	Acetone	trans-1,3-Dichloropropylene
	Benzene	1,3-Dichloropropene, total
	Bromodichloromethane	Ethylbenzene
	Bromoform	Hexane
	Bromomethane	Methyl Ethyl Ketone (2-Butanone)
	Carbon Tetrachloride	Methyl Butyl Ketone (2-Hexanone)
	Chlorobenzene	Methyl Isobutyl Ketone
	Chloroethane	Methyl tert-butyl ether
	Chloroform	Methylene Chloride
	Chloromethane	Styrene
	Dibromochloromethane	1,1,1,2-Tetrachloroethane
	Dichlorodifluoromethane	1,1,2,2-Tetrachloroethane
	Ethylene dibromide (dibromoethane, 1,2-)	Tetrachloroethylene
	1,2-Dichlorobenzene	Toluene
	1,3-Dichlorobenzene	1,1,1-Trichloroethane
	1,4-Dichlorobenzene	1,1,2-Trichloroethane
	1,1-Dichloroethane	Trichloroethylene
	1,2-Dichloroethane	Trichlorofluoromethane
	1,1-Dichloroethylene	1,3,5-Trimethylbenzene
	cis-1,2-Dichloroethylene	Vinyl Chloride
	trans-1,2-Dichloroethylene	m/p-Xylene
	1,2-Dichloroethylene, total	o-Xylene
	1,2-Dichloropropane	Xylenes, total
cis-1,3-Dichloropropylene		

Notes:

- (1) all active groundwater monitoring wells shall be sampled for VOCs once every five years at a minimum.
- (2) any active groundwater monitoring well exhibiting VOC concentrations above the detection limit for the previous VOC monitoring event shall be sampled during the following spring sampling event.

*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), (18), (19) and (20) is to clarify the legal rights and responsibilities of the *Owner* and *Operator* under this *Approval* .
- The reasons for Condition 1(3) and 7 (4) 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), (15) and (16) 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(17) 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 (21) 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(6), 6(1) and 6(2) 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), 2(4) and 2(5) 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 Condition 2(7) are open burning of municipal waste is unacceptable because of concerns with air emissions, smoke and other nuisance effects, and the potential fire hazard.
- The reasons for Condition 2(8), 2(9) and 2(10) 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(11) and 2(12) 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.

### **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(3) is to ensure that detailed records of *Site* inspections are recorded and maintained for inspection and information purposes.
- The reason for Conditions 6(4) and 6(5) 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 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), (2), (3) and (5) inclusive is to specify the approved areas from which waste may be accepted at the *Site* and the types of waste that may be accepted for disposal at the *Site*, based on the *Owner's* application and supporting documentation.
- Condition 7(6) is to provide the *Owner* the process for getting the approval for alternative daily and intermediate cover material.
- The reasons for Condition 7(7) 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) and 8(2) 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(3) is included to provide the groundwater and surface water limits to prevent water pollution at the *Site*.
- Conditions 8(4), 8(5) and 8(6) 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(7), 8(8) and 8(9) are included to ensure the integrity of the groundwater monitoring network so that accurate monitoring results are achieved and the natural environment is protected.
- Condition 8(10) is included to require the *Owner* to bring the *Site* into compliance within a reasonable timeframe.
- Conditions 8(11) to 8(14) 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(15), 8(16) and 8(17) 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.

### **HHW**

- The reasons for the Condition 11 are to approve collection of household hazardous waste and to ensure that the wastes are managed in a manner that protects the environment and the health and safety of the public.

**Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). A442003 issued on December 9, 1980**

*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) 326-5370 or [www.ert.gov.on.ca](http://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 24th day of March, 2016



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Dale Gable, P.Eng.

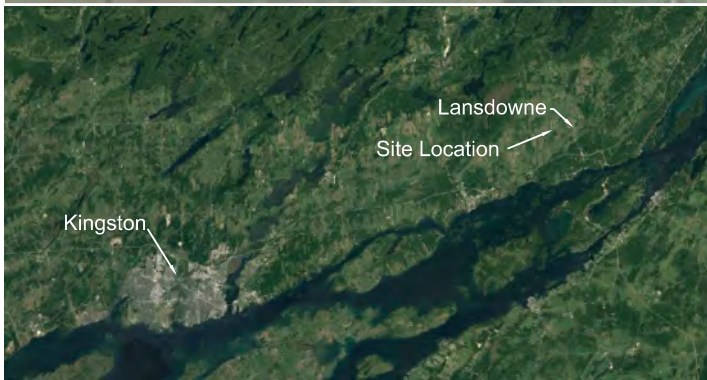
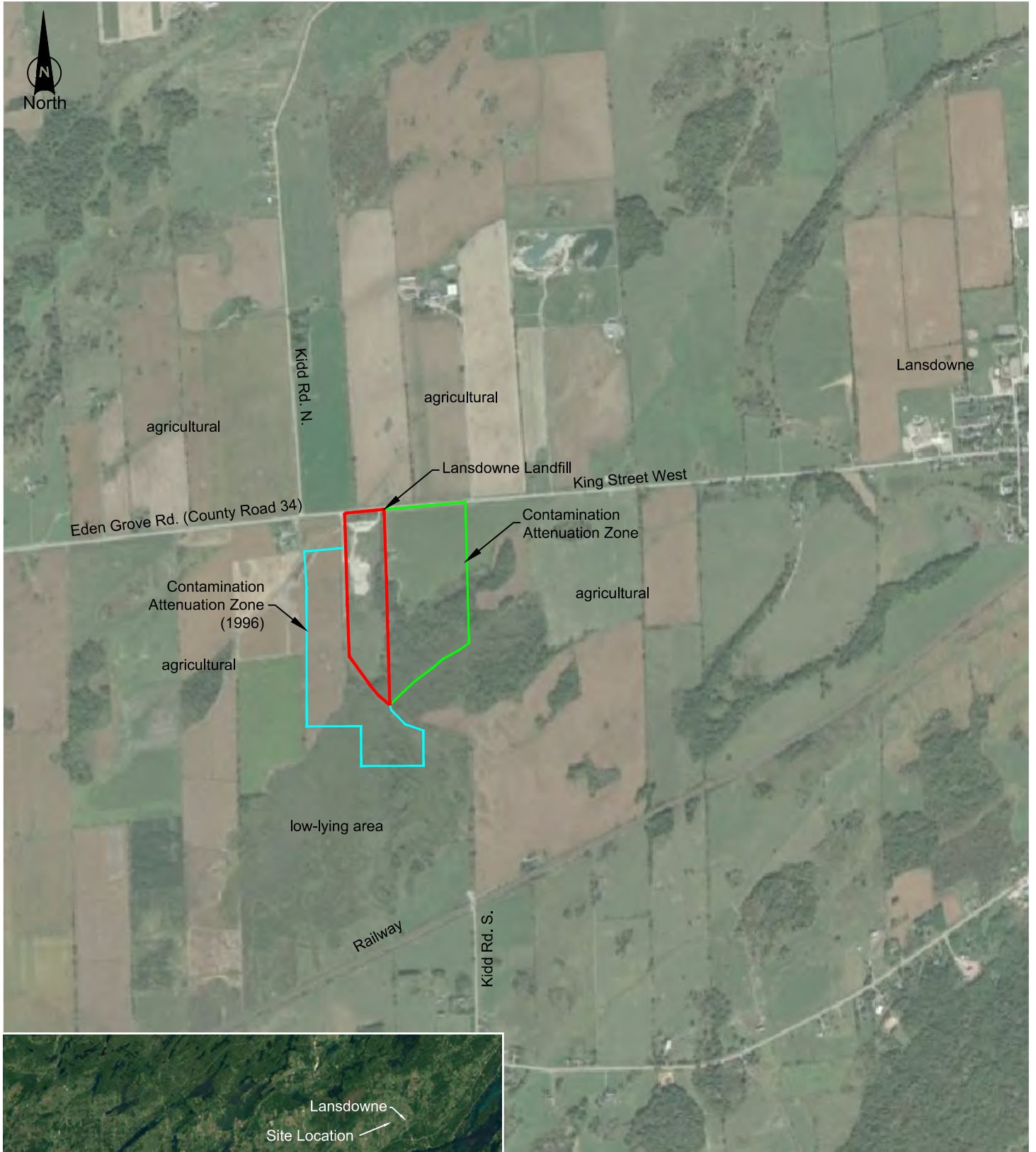
Director

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

RM/

c: District Manager, MOECC Kingston - District  
Field Alert

**Appendix B**  
**Figures**



Note: figure based on Google Earth imagery

### Site Location

2018 Annual Monitoring Report  
 Lansdowne Waste Disposal Site  
 Township of Leeds and the Thousand Islands

File: 1037-113.00

Figure

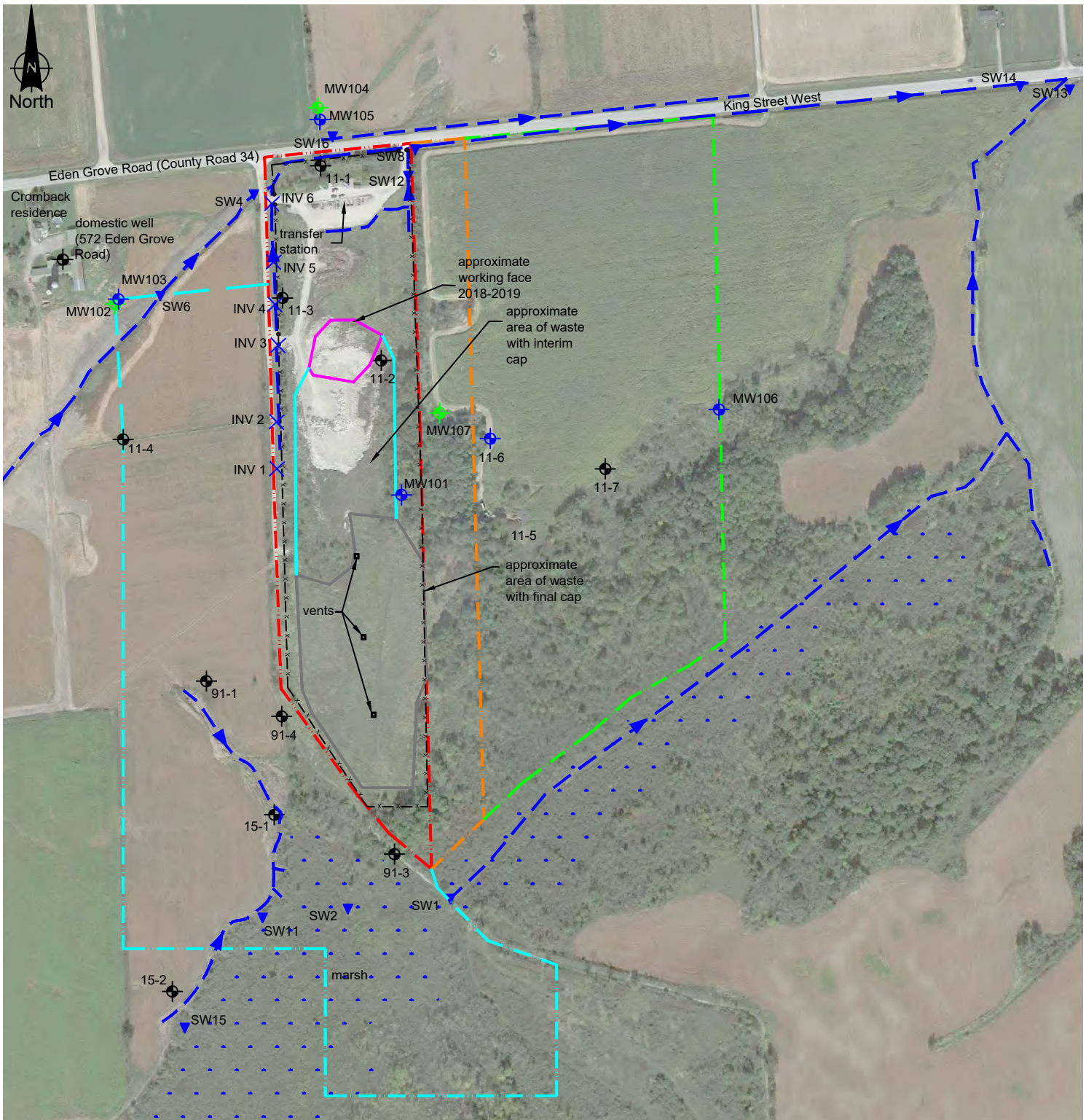
1

approx. scale (m)



D1	2019/01/30	issued in draft	ZL	JMP
Rev	Date	Description	By	Chkd





**Legend**

- approximate property boundary
- buffer zone
- contaminant attenuation zone
- approximate contaminant attenuation zone (1996)
- o-o- fence and gate
- ▶ surface drainage feature and flow direction
- ⊙ 11-1 existing wells
- ⊙ MW101 overburden monitoring well installed by Malroz
- ⊙ MW102 bedrock monitoring well installed by Malroz
- ⊙ 11-5 damaged monitoring well
- ▼ SW13 surface water station
- X INV1 ditch invert

Figure based on Malroz field observations, Google Earth imagery and the strata Plan 9204 MR1\_STRATA, prepared by Collett surveying Ltd and registered to the title on June 1, 2017.

Rev	Date	Description	By	Chkd
0	19/03/01	issued with report	MW	ZL

**Site Plan**

2018 Annual Monitoring Report  
Lansdowne Waste Disposal Site  
Township of Leeds and the Thousand Islands

File: 1037-113.00

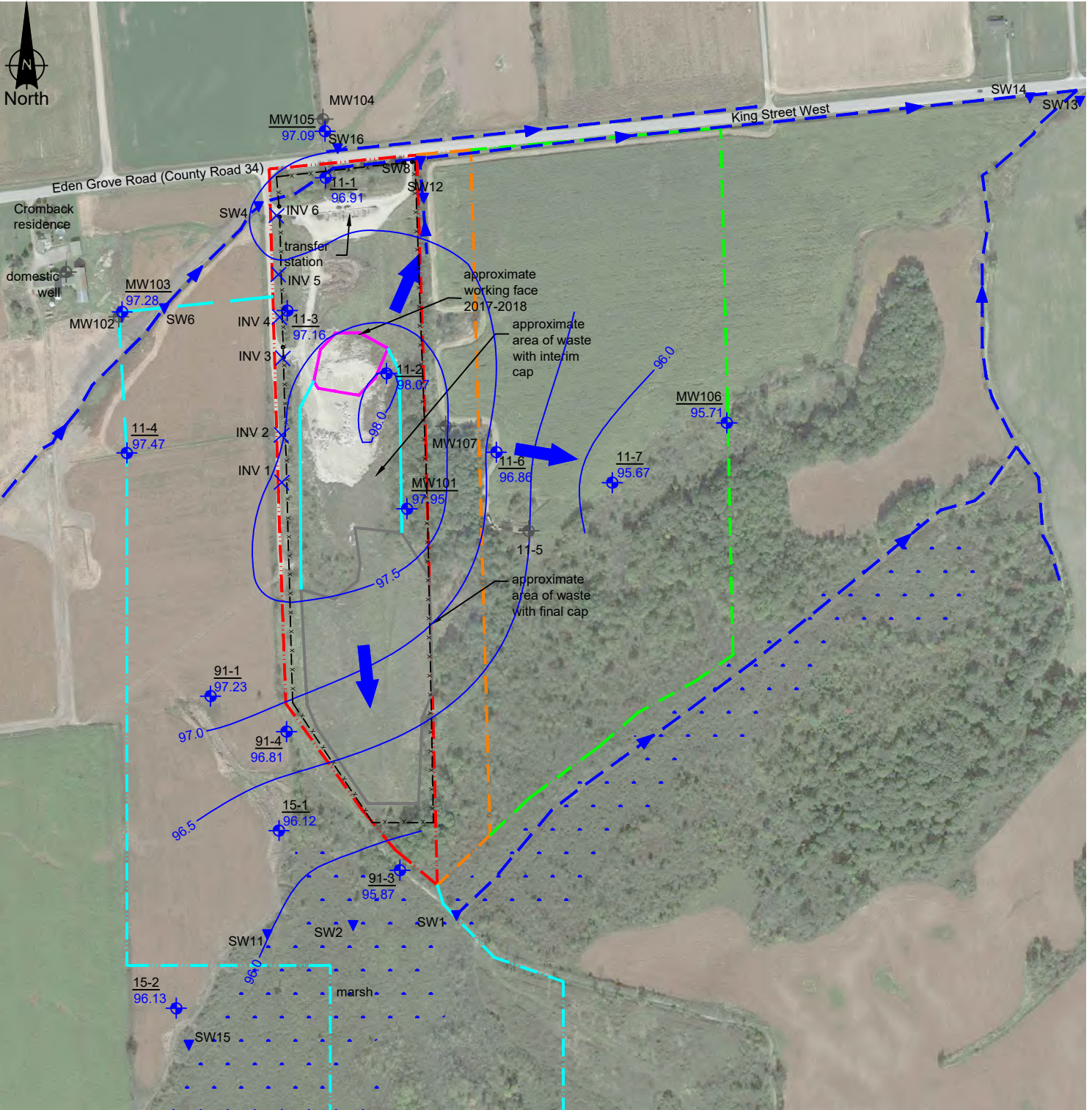
Approx. Scale (m)



Figure  
**2**







- Legend**
- approximate property boundary
  - buffer zone
  - contaminant attenuation zone
  - approximate contaminant attenuation zone (1996)
  - o-o- fence and gate
  - surface water body and flow direction
  - + 11-1  
97.25 overburden monitoring well location and groundwater elevation
  - + MW102 monitoring well not used in interpolation
  - inferred shallow groundwater flow direction
  - 97.0 groundwater elevation (November 26-27, 2018)
  - ▽ SW13 surface water station
  - X INV1 ditch invert

Figure based on Malroz field observations, Google Earth imagery and the strata Plan 9204 MR1\_STRATA, prepared by Collett surveying Ltd and registered to the title on June 1, 2017. Contours developed digitally using Surfer™.

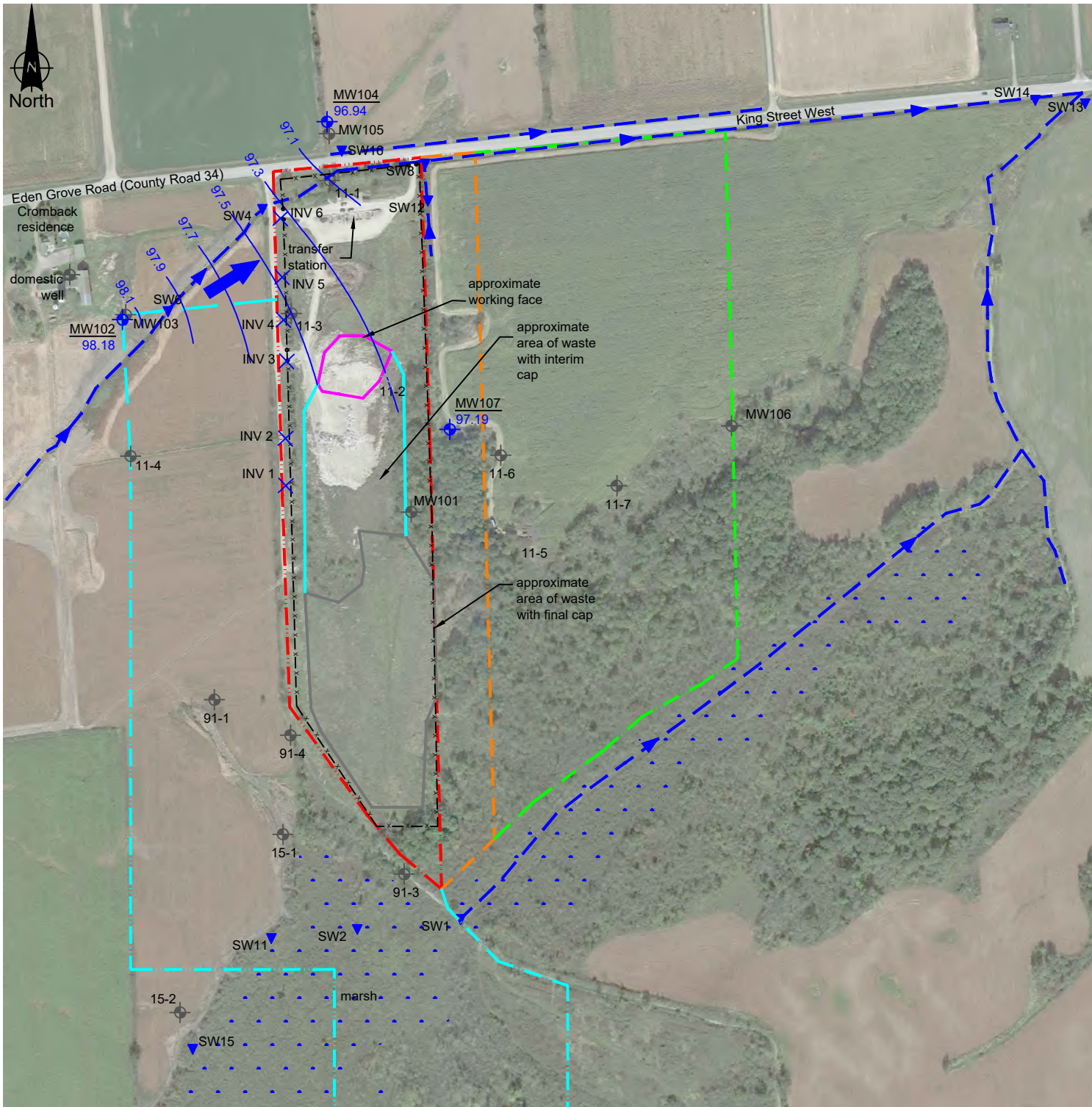
Rev	Date	Description	By	Chkd
0	19/03/01	issued with report	MW	ZL

### Shallow Groundwater Contours (November 2018)

2018 Annual Monitoring Report  
Lansdowne Waste Disposal Site  
Township of Leeds and the Thousand Islands

File: 1037-113.00 Approx. Scale (m) 	<b>Figure</b> <span style="font-size: 2em; font-weight: bold;">3</span>	
--	--	--





- Legend**
- approximate property boundary
  - buffer zone
  - contaminant attenuation zone
  - approximate contaminant attenuation zone (1996)
  - fence and gate
  - surface water body and flow direction
  - MW102 overburden monitoring well location and groundwater elevation
  - MW101 monitoring well not used in interpolation
  - inferred bedrock groundwater flow direction
  - 97.5 groundwater elevation (November 26-27, 2018)
  - ▼ SW13 surface water station
  - X INV1 ditch invert

Figure based on Malroz field observations, Google Earth imagery and the strata Plan 9204 MR1\_STRATA, prepared by Collett surveying Ltd and registered to the title on June 1, 2017. Contours developed digitally using Surfer™.

Rev	Date	Description	By	Chkd
0	19/03/01	issued with report	MW	ZL

### Bedrock Groundwater Elevations (November 2018)

2018 Annual Monitoring Report  
Lansdowne Waste Disposal Site  
Township of Leeds and the Thousand Islands

File: 1037-113.00

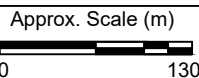
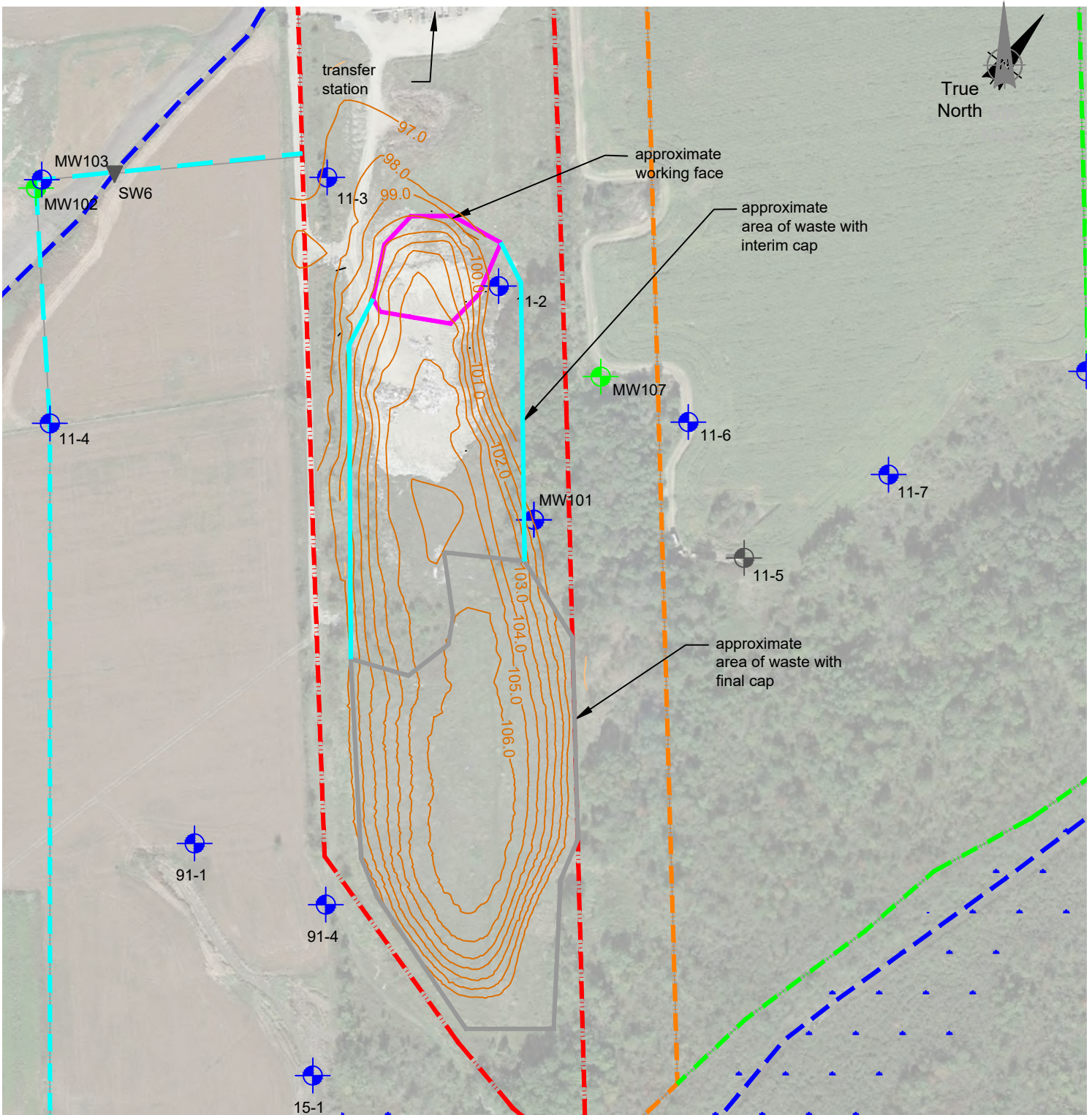


Figure  
**4**







**Legend**

- approximate property boundary
- buffer zone
- contaminant attenuation zone
- approximate contaminant attenuation zone (1996)
- approximate interim waste cap
- approximate area with final cover
- surface water body
- topographic contour (1.0m interval)
- OW1 overburden monitoring well location
- MW102 bedrock monitoring well location
- 11-5 damaged monitoring well

0	19/04/03	issued with report	AP	JP
Rev	Date	Description	By	Chkd

## 2018 Waste Pile Topographic Survey

2018 Annual Monitoring Report  
Lansdowne Waste Disposal Site  
Township of Leeds and the Thousand Islands

File: 1037-113.00

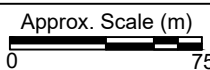
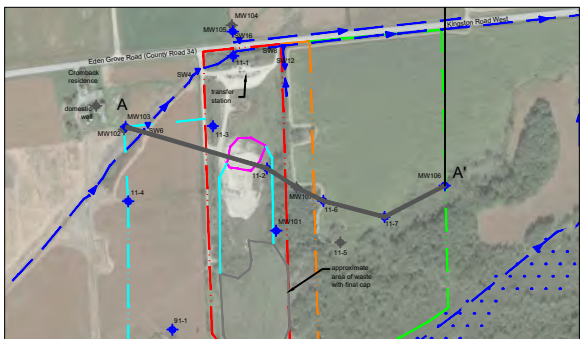
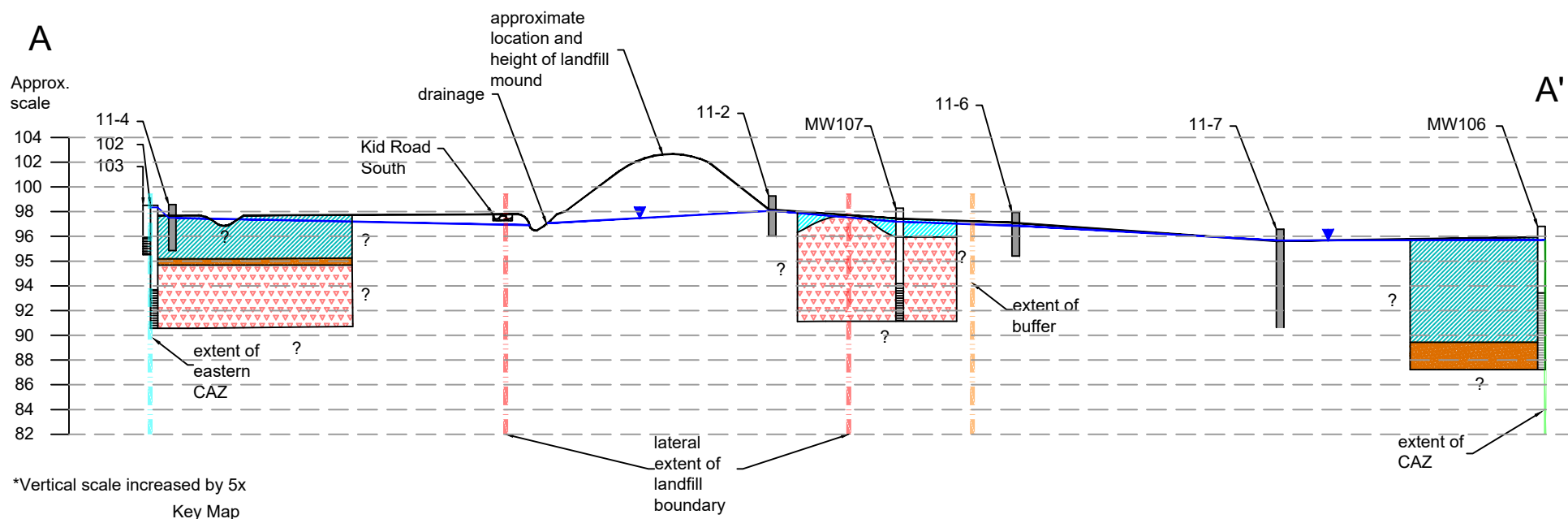


Figure  
**5**



Figure based on Malroz field observations, Google Earth imagery and the strata Plan 9204 MR1\_STRATA, prepared by Collett surveying Ltd and registered to the title on June 1, 2017. Waste contours digitally interpolated based on Malroz survey data and using Surfer™.



- Legend**
- approximate property boundary
  - buffer zone
  - contaminant attenuation zone
  - approximate contaminant attenuation zone (1996)
  - groundwater elevation
  - silty clay
  - sand/sand gravel
  - granite

- monitoring well installed by Malroz
- monitoring well installed by others and log not available

Rev	Date	Description	By	Chkd
D1	19/03/01	issued in draft	MW	ZL
<b>West - East Fence Diagram</b>				
2018 Annual Monitoring Report Lansdowne Waste Disposal Site Township of Leeds and the Thousand Islands				
File: 1037-113.00		<b>Figure 6</b>		
N.T.S				



**Appendix C**  
**Cover Material Waybills**

**Twp. Leeds And The Thousand Islands****Vendor YTD Payments Report**

For Vendors 62 Through 62  
Year 2018

Vendor Number	Vendor Name	Cheque # / eCheque ID	Cheque Date	Amount	Status
62	Gerald Best Excavating Ltd.	63856	2/12/18	\$3,611.48	C
62	Gerald Best Excavating Ltd.	63889	2/14/18	\$1,805.74	C
62	Gerald Best Excavating Ltd.	63942	2/21/18	\$1,805.74	C
62	Gerald Best Excavating Ltd.	64114	3/14/18	\$1,805.74	C
62	Gerald Best Excavating Ltd.	64272	4/09/18	\$3,611.48	C
62	Gerald Best Excavating Ltd.	64386	4/30/18	\$3,611.48	C
62	Gerald Best Excavating Ltd.	64565	5/24/18	\$1,805.74	C
62	Gerald Best Excavating Ltd.	64723	6/13/18	\$3,611.48	C
62	Gerald Best Excavating Ltd.	64916	7/12/18	\$678.00	C
62	Gerald Best Excavating Ltd.	64944	7/19/18	\$1,978.63	C
62	Gerald Best Excavating Ltd.	65109	8/03/18	\$3,611.48	C
62	Gerald Best Excavating Ltd.	65259	8/22/18	\$1,805.74	C
62	Gerald Best Excavating Ltd.	65376	9/17/18	\$1,805.74	C
62	Gerald Best Excavating Ltd.	65472	9/28/18	\$5,419.48	C
62	Gerald Best Excavating Ltd.	65640	10/11/18	\$2,257.74	C
62	Gerald Best Excavating Ltd.	65801	10/29/18	\$3,611.48	C
62	Gerald Best Excavating Ltd.	65854	11/05/18	\$452.00	C
62	Gerald Best Excavating Ltd.	66226	12/11/18	\$1,805.74	C
62	Gerald Best Excavating Ltd.	66282	12/12/18	\$3,611.48	C
62	Gerald Best Excavating Ltd.	66466	12/31/18	\$1,805.74	C
				\$50,512.13	



Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On,  
 K0E 1L0

# Invoice

Date	Invoice #
1/3/2018	2265

Invoice To  
 Twp Leeds & the 1000 Islands  
 1233 Prince Street  
 PO Box 280  
 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
1/3/2018	Sandfill to Escott Dump	40	9.35	H	374.00
1/3/2018	Sandfill to Lansdowne Dump	160	7.65	H	1,224.00
Approval #1  Approval #2  Acct #. <u>10-410-4300-6320</u> Sub-Acct # _____					

<b>Sales Tax Summary</b> HST (ON)@13.0%                      207.74 Total Tax                                      207.74	<b>Subtotal</b>	\$1,598.00
	<b>Sales Tax Total</b>	\$207.74
	<b>Total</b>	\$1,805.74
	<b>Payments/Credits</b>	\$0.00
Thank you for your business Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.		<b>Balance Due</b> \$1,805.74

# Invoice

Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 KOE 1L0

Date	Invoice #
1/30/2018	2270

Invoice To
Twp Leeds & the 1000 Islands 1233 Prince Street PO Box 280 Lansdowne, ON KOE 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
1/30/2018	Sandfill to Escott Dump	40	9.35	H	374.00
1/30/2018	Sandfill to Lansdowne Dump	160	7.65	H	1,224.00
Approval #1 <u>                    </u> Approval # <u>                    </u> Acct # <u>10-410-4300-6270</u> Sub-Acct # <u>                    </u>					
<b>Sales Tax Summary</b>					
HST (ON)@13.0%			207.74		
Total Tax			207.74		
			<b>Subtotal</b>		\$1,598.00
			<b>Sales Tax Total</b>		\$207.74
			<b>Total</b>		\$1,805.74
Thank you for your business			<b>Payments/Credits</b>		\$0.00
Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.			<b>Balance Due</b>		\$1,805.74

GST/HST No. 102000601

Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

RECEIVED  
 JAN 19 2018  
*(Signature)*

# Invoice

Date	Invoice #
1/18/2018	2268

Invoice To  
 Twp Leeds & the 1000 Islands  
 1233 Prince Street  
 PO Box 280  
 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
1/16/2018	Sandfill to Escott Dump	40	9.35	H	374.00
1/16/2018	Sandfill to Lansdowne Dump	160	7.65	H	1,224.00
Approval #1 <i>JB</i> Approval #2 <i>James [Signature]</i> Acct # _____ Sub-Acct # <u>10-410-4300-6270</u>					

<b>Sales Tax Summary</b> HST (ON)@13.0%                      207.74 Total Tax                                      207.74	<b>Subtotal</b>	\$1,598.00
	<b>Sales Tax Total</b>	\$207.74
	<b>Total</b>	\$1,805.74
	<b>Payments/Credits</b>	\$0.00
	<b>Balance Due</b>	\$1,805.74
Thank you for your business Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.		

Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

# Invoice

Date	Invoice #
2/13/2018	2272

Invoice To
Twp Leeds & the 1000 Islands 1233 Prince Street PO Box 280 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
12/21/2017	Sandfill to Escott Dump	40	9.35	H	374.00
12/21/2017	Sandfill to Lansdowne Dump	160	7.65	H	1,224.00
Approval #1 <u><i>[Signature]</i></u> Approval #2 <u><i>James [Signature]</i></u> Acct # <u>10-410-4300-6320</u> Sub-Acct # _____					

<b>Sales Tax Summary</b> HST (ON)@13.0%                      207.74 Total Tax                                      207.74	<b>Subtotal</b>	\$1,598.00
	<b>Sales Tax Total</b>	\$207.74
	<b>Total</b>	\$1,805.74
	<b>Payments/Credits</b>	\$0.00
	<b>Balance Due</b>	\$1,805.74
Thank you for your business Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.		

GST/HST No.                      102000601



# Invoice

Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

Date	Invoice #
2/20/2018	2275

Invoice To  
 Twp Leeds & the 1000 Islands  
 1233 Prince Street  
 PO Box 280  
 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
2/20/2018	Sandfill to Escott Dump	40	9.35	H	374.00
2/20/2018	Sandfill to Lansdowne Dump	160	7.65	H	1,224.00
Approval #1 					
Approval #2 					
Acct # _____					
Sub-Acct # 10-410-4300-6270					

<b>Sales Tax Summary</b>		<b>Subtotal</b>	\$1,598.00
HST (ON)@13.0%	207.74	<b>Sales Tax Total</b>	\$207.74
Total Tax	207.74	<b>Total</b>	\$1,805.74
Thank you for your business		<b>Payments/Credits</b>	\$0.00
Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.		<b>Balance Due</b>	\$1,805.74

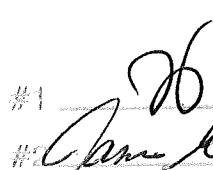
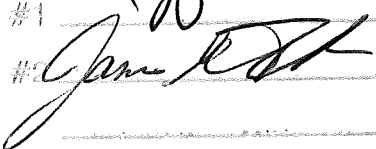
Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 KOE 1L0

# Invoice

Date	Invoice #
3/15/2018	2278

**Invoice To**  
 Twp Leeds & the 1000 Islands  
 1233 Prince Street  
 PO Box 280  
 Lansdowne, ON KOE 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
3/15/2018	Sandfill to Escott Dump	40	9.35	H	374.00
3/15/2018	Sandfill to Lansdowne Dump	160	7.65	H	1,224.00
Approval #1  Approval #2  Acct # _____ Sub-Acct # 10-410-4300-6270					

<b>Sales Tax Summary</b>		<b>Subtotal</b>	\$1,598.00
HST (ON)@13.0%	207.74	<b>Sales Tax Total</b>	\$207.74
Total Tax	207.74	<b>Total</b>	\$1,805.74
Thank you for your business		<b>Payments/Credits</b>	\$0.00
Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.		<b>Balance Due</b>	\$1,805.74




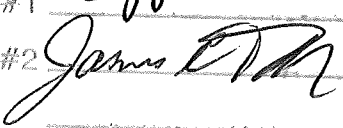
Gerald Best Excavating Ltd,  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

# Invoice

Date	Invoice #
3/26/2018	2279

Invoice To
Twp Leeds & the 1000 Islands 1233 Prince Street PO Box 280 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
3/22/2018	Sandfill to Escott Dump	40	9.35	H	374.00
3/22/2018	Sandfill to Lansdowne Dump	160	7.65	H	1,224.00
Approval #1  Approval #2  Acct # _____ Sub-Acct # 10-410-4300-6270					

<b>Sales Tax Summary</b>		<b>Subtotal</b>	\$1,598.00
HST (ON)@13.0%	207.74	<b>Sales Tax Total</b>	\$207.74
Total Tax	207.74	<b>Total</b>	\$1,805.74
Thank you for your business		<b>Payments/Credits</b>	\$0.00
Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.		<b>Balance Due</b>	\$1,805.74


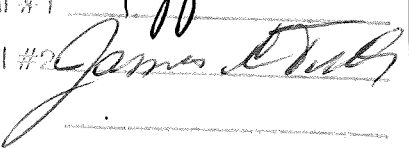
Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

# Invoice

Date	Invoice #
4/12/2018	2281

Invoice To  
 Twp Leeds & the 1000 Islands  
 1233 Prince Street  
 PO Box 280  
 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
4/10/2018	Sandfill to Escott Dump	40	9.35	H	374.00
4/10/2018	Sandfill to Lansdowne Dump	160	7.65	H	1,224.00
Approval #1  Approval #2  Acct # _____ Sub-Acct # <u>10-410-4300-6270</u>					

<b>Sales Tax Summary</b> HST (ON)@13.0%                      207.74 Total Tax                                      207.74	<b>Subtotal</b> \$1,598.00
	<b>Sales Tax Total</b> \$207.74
<b>Total</b> \$1,805.74	
<b>Payments/Credits</b> \$0.00	
<b>Balance Due</b> \$1,805.74	

Thank you for your business

Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.

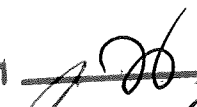

Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

# Invoice

Date	Invoice #
4/26/2018	2283

Invoice To  
 Twp Leeds & the 1000 Islands  
 1233 Prince Street  
 PO Box 280  
 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
4/24/2018	Sandfill to Escott Dump	40	9.35	H	374.00
4/24/2018	Sandfill to Lansdowne Dump	160	7.65	II	1,224.00
Approval #1  Approval #2  Acct # _____ Sub-Acct # <u>10-410-4300-6270</u>					

<b>Sales Tax Summary</b> HST (ON)@13.0% 207.74 Total Tax 207.74	<b>Subtotal</b>	\$1,598.00
	<b>Sales Tax Total</b>	\$207.74
	<b>Total</b>	\$1,805.74
	<b>Payments/Credits</b>	\$0.00
	<b>Balance Due</b>	\$1,805.74
Thank you for your business Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.		


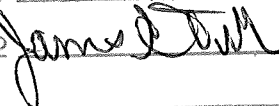
# Invoice

Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

Date	Invoice #
5/10/2018	2284

Invoice To  
 Twp Leeds & the 1000 Islands  
 1233 Prince Street  
 PO Box 280  
 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
5/8/2018	Sandfill to Escott Dump	40	9.35	H	374.00
5/8/2018	Sandfill to Lansdowne Dump	160	7.65	H	1,224.00
Approval #1  Approval #2  Acct # _____ Sub-Acct # <u>10-410-4300-6270</u>					

<b>Sales Tax Summary</b>		<b>Subtotal</b>	\$1,598.00
HST (ON)@13.0%	207.74	<b>Sales Tax Total</b>	\$207.74
Total Tax	207.74	<b>Total</b>	\$1,805.74
Thank you for your business		<b>Payments/Credits</b>	\$0.00
Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.		<b>Balance Due</b>	\$1,805.74



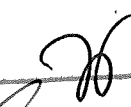
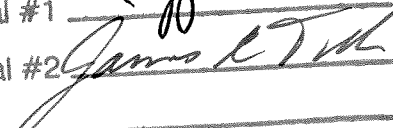
Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

# Invoice

Date	Invoice #
5/31/2018	2287

Invoice To  
 Twp Leeds & the 1000 Islands  
 1233 Prince Street  
 PO Box 280  
 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
5/21/2018	Sandfill to Escott Dump	40	9.35	H	374.00
5/22/2018	Sandfill to Lansdowne Dump	160	7.65	H	1,224.00
Approval #1  Approval #2  Acct # _____ Sub-Acct # <u>10-410-4300-6270</u>					

<b>Sales Tax Summary</b>		<b>Subtotal</b>	\$1,598.00
HST (ON)@13.0%	207.74	<b>Sales Tax Total</b>	\$207.74
Total Tax	207.74	<b>Total</b>	\$1,805.74
Thank you for your business		<b>Payments/Credits</b>	\$0.00
Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.		<b>Balance Due</b>	\$1,805.74

# Invoice

Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

Date	Invoice #
5/31/2018	2289

Invoice To
LAFR <i>Township of Leeds 1000 Islands</i>

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
5/29/2018	Supply & place rocks  <i>Ordered by LAFR                      Okayed by Elaine</i>  Approval #1 <i>[Signature]</i> Approval #2 <i>[Signature]</i> Acct # _____ Sub-Acct # <u>10-820-8601-6156</u>	1	600.00	H	600.00
<b>Sales Tax Summary</b>					
HST (ON)@13.0%			78.00		
Total Tax			78.00		
			<b>Subtotal</b>	\$600.00	
			<b>Sales Tax Total</b>	\$78.00	
			<b>Total</b>	\$678.00	
Thank you for your business			<b>Payments/Credits</b>	\$0.00	
Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.			<b>Balance Due</b>	\$678.00	

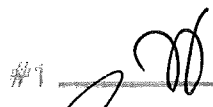
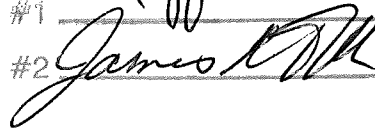
# Invoice

Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

Date	Invoice #
6/21/2018	2299

Invoice To  
 Twp Leeds & the 1000 Islands  
 1233 Prince Street  
 PO Box 280  
 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
6/20/2018	Sandfill to Escott Dump	40	9.35	H	374.00
6/20/2018	Sandfill to Lansdowne Dump	180	7.65	H	1,377.00
Approval #1 					
Approval #2 					
Acct # _____					
Sub-Acct # <u>10-410-4300-6270</u>					

<b>Sales Tax Summary</b> HST (ON)@13.0%                      227.63 Total Tax                                      227.63	<b>Subtotal</b> \$1,751.00
	<b>Sales Tax Total</b> \$227.63
	<b>Total</b> \$1,978.63
	<b>Payments/Credits</b> \$0.00
Thank you for your business  Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.	<b>Balance Due</b> \$1,978.63



Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

# Invoice

Date	Invoice #
7/17/2018	2311

Invoice To  
 Twp Leeds & the 1000 Islands  
 1233 Prince Street  
 PO Box 280  
 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
7/17/2018	Sandfill to Escott Dump	40	9.35	H	374.00
7/17/2018	Sandfill to Lansdowne Dump	160	7.65	H	1,224.00
Approval #1 <i>[Signature]</i> July 30/18 Approval #2 <i>[Signature]</i> Acct # _____ Sub-Acct # <u>10-410-4300-6270</u>					

<b>Sales Tax Summary</b>		<b>Subtotal</b>	\$1,598.00
HST (ON)@13.0%	207.74	<b>Sales Tax Total</b>	\$207.74
Total Tax	207.74	<b>Total</b>	\$1,805.74
Thank you for your business		<b>Payments/Credits</b>	\$0.00
Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.		<b>Balance Due</b>	\$1,805.74

# Invoice

Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 KOE 1L0

Date	Invoice #
7/2/2018	2302

Invoice To  
 Twp Leeds & the 1000 Islands  
 1233 Prince Street  
 PO Box 280  
 Lansdowne, ON KOE 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
7/2/2018	Sandfill to Escott Dump	40	9.35	H	374.00
7/2/2018	Sandfill to Lansdowne Dump	160	7.65	H	1,224.00
Approval #1 <i>[Signature]</i>					
Approval #2 <i>[Signature]</i>					
Acct # _____					
Sub-Acct # <u>10-410-4300-6270</u>					

<b>Sales Tax Summary</b> HST (ON)@13.0%                      207.74 Total Tax                                      207.74	<b>Subtotal</b>	\$1,598.00
	<b>Sales Tax Total</b>	\$207.74
	<b>Total</b>	\$1,805.74
	<b>Payments/Credits</b>	\$0.00
	<b>Balance Due</b>	\$1,805.74

Thank you for your business

Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.

# Invoice

Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 KOE 1L0

Date	Invoice #
7/31/2018	2314

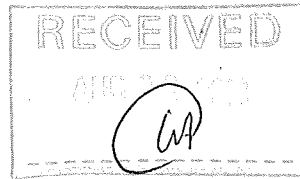
**Invoice To**  
 Twp Leeds & the 1000 Islands  
 1233 Prince Street  
 PO Box 280  
 Lansdowne, ON KOE 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
7/31/2018	Sandfill to Escott Dump	40	9.35	H	374.00
7/31/2018	Sandfill to Lansdowne Dump	160	7.65	H	1,224.00
Approval #1 _____ Approval #2 <i>Jerry E. [Signature]</i> Acct # _____ Sub-Acct # <u>10-410-4300-6270</u>					

<b>Sales Tax Summary</b>		<b>Subtotal</b>	\$1,598.00
HST (ON)@13.0%	207.74	<b>Sales Tax Total</b>	\$207.74
Total Tax	207.74	<b>Total</b>	\$1,805.74
Thank you for your business		<b>Payments/Credits</b>	\$0.00
Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.		<b>Balance Due</b>	\$1,805.74

Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0



# Invoice

Date	Invoice #
8/14/2018	2318

Invoice To
Twp Leeds & the 1000 Islands 1233 Prince Street PO Box 280 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
8/8/2018	Sandfill to Escott Dump	2	187.00	H	374.00
8/8/2018	Sandfill to Lansdowne Dump	8	153.00	H	1,224.00
Approval #1 <u>JG</u> Approval #2 <u>James Clark</u> Acct # _____ Sub-Acct # <u>10-410-4300-6270</u>					

Sales Tax Summary		Subtotal	\$1,598.00
HST (ON)@13.0%	207.74	Sales Tax Total	\$207.74
Total Tax	207.74	Total	\$1,805.74
Thank you for your business  Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.		Payments/Credits	\$0.00
		Balance Due	\$1,805.74


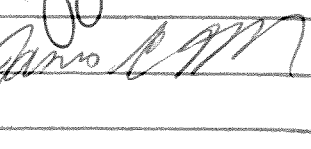
Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

# Invoice

Date	Invoice #
9/11/2018	2329

Invoice To
Twp Leeds & the 1000 Islands 1233 Prince Street PO Box 280 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
9/11/2018	Sandfill to Escott Dump	2	187.00	H	374.00
9/11/2018	Sandfill to Lansdowne Dump	8	153.00	H	1,224.00
Approval #1  Approval #2  Acct # _____ Sub-Acct # <u>10-410-4300-6270</u>					

<b>Sales Tax Summary</b> HST (ON)@13.0% 207.74 Total Tax 207.74  Thank you for your business  Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.	<b>Subtotal</b>	\$1,598.00
	<b>Sales Tax Total</b>	\$207.74
	<b>Total</b>	\$1,805.74
	<b>Payments/Credits</b>	\$0.00
	<b>Balance Due</b>	\$1,805.74

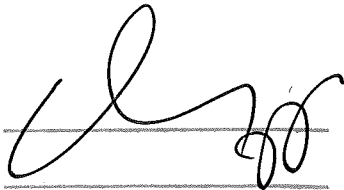
Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

# Invoice

Date	Invoice #
9/13/2018	2327

Invoice To
Twp Leeds & the 1000 Islands 1233 Prince Street PO Box 280 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
9/10/2018	Large Rock for Lyndhurst Park 3 loads of rock	3	400.00	H	1,200.00
Approval #1 <u></u> Approval #2 _____ Acct # <u>10.940.9441</u> Sub-Acct # <u>0290</u>					

<b>Sales Tax Summary</b> HST (ON)@13.0% 156.00 Total Tax 156.00	<b>Subtotal</b>	\$1,200.00
	<b>Sales Tax Total</b>	\$156.00
<b>Total</b>		\$1,356.00
<b>Payments/Credits</b>		\$0.00
<b>Balance Due</b>		\$1,356.00
Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.		

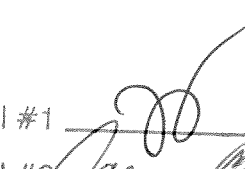
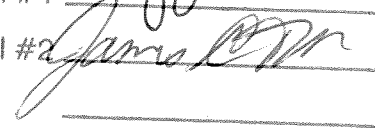
Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

# Invoice

Date	Invoice #
8/28/2018	2325

Invoice To
Twp Leeds & the 1000 Islands 1233 Prince Street PO Box 280 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
8/28/2018	Sandfill to Escott Dump	2	187.00	H	374.00
8/28/2018	Sandfill to Lansdowne Dump	8	153.00	H	1,224.00
Approval #1 					
Approval #2 					
Acct # _____					
Sub-Acct # <u>10-410-4300-</u>		6270			

<b>Sales Tax Summary</b>		<b>Subtotal</b>	\$1,598.00
HST (ON)@13.0%	207.74	<b>Sales Tax Total</b>	\$207.74
Total Tax	207.74	<b>Total</b>	\$1,805.74
Thank you for your business		<b>Payments/Credits</b>	\$0.00
Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.		<b>Balance Due</b>	\$1,805.74

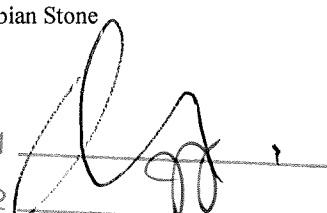
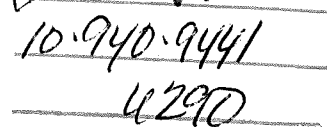
# Invoice

Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

Date	Invoice #
9/20/2018	2334

Invoice To
Twp Leeds & the 1000 Islands 1233 Prince Street PO Box 280 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
9/18/2018	ATTN: JOHN TAYLOR 1 load of Gabian Stone  Approval #1  Approval #2  Acct # <u>10-940-9441</u> Sub-Acct # <u>6290</u>	1	400.00	H	400.00

<b>Sales Tax Summary</b> HST (ON)@13.0%                      52.00 Total Tax                                      52.00	<b>Subtotal</b>	\$400.00
	<b>Sales Tax Total</b>	\$52.00
	<b>Total</b>	\$452.00
	<b>Payments/Credits</b>	\$0.00
	<b>Balance Due</b>	\$452.00

Thank you for your business

Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.



Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0


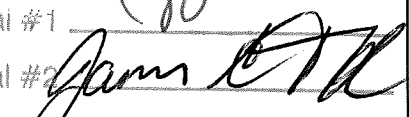
# Invoice

Date	Invoice #
9/27/2018	2339

**Invoice To**

Twp Leeds & the 1000 Islands  
 1233 Prince Street  
 PO Box 280  
 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
9/25/2018	Sandfill to Escott Dump	2	187.00	H	374.00
9/25/2018	Sandfill to Lansdowne Dump	8	153.00	H	1,224.00
9/25/2018	1 load of Granite Granular A to Lyndhurst	1	400.00	H	400.00
Approval #1  Approval #2  Acct # 10-410-4300-6270 Sub-Acct # _____					

<b>Sales Tax Summary</b> HST (ON)@13.0% 259.74 Total Tax 259.74	<b>Subtotal</b> \$1,998.00 <b>Sales Tax Total</b> \$259.74 <b>Total</b> \$2,257.74 <b>Payments/Credits</b> \$0.00 <b>Balance Due</b> \$2,257.74
Thank you for your business Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.	

Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

# Invoice

Date	Invoice #
10/10/2018	2342

Invoice To
Twp Leeds & the 1000 Islands 1233 Prince Street PO Box 280 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
10/10/2018	Sandfill to Escott Dump	2	187.00	H	374.00
10/10/2018	Sandfill to Lansdowne Dump	8	153.00	H	1,224.00
Approval #1 _____ Approval #2 <i>James C. Tall</i> Acct # _____ Sub-Acct # <u>10-410-4300-6270</u>					

<b>Sales Tax Summary</b> HST (ON)@13.0% 207.74 Total Tax 207.74	<b>Subtotal</b>	\$1,598.00
	<b>Sales Tax Total</b>	\$207.74
	<b>Total</b>	\$1,805.74
	<b>Payments/Credits</b>	\$0.00
	<b>Balance Due</b>	\$1,805.74
Thank you for your business Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.		


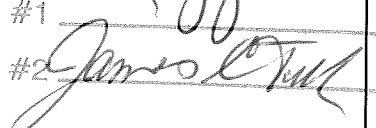
Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

# Invoice

Date	Invoice #
10/23/2018	2345

Invoice To
Twp Leeds & the 1000 Islands 1233 Prince Street PO Box 280 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
10/23/2018	Sandfill to Escott Dump	2	187.00	H	374.00
10/23/2018	Sandfill to Lansdowne Dump	8	153.00	H	1,224.00
Approval #1  Approval #2  Acct # _____ Sub-Acct # <u>10-410-4300-6270</u>					

<b>Sales Tax Summary</b>		<b>Subtotal</b>	\$1,598.00
HST (ON)@13.0%	207.74	<b>Sales Tax Total</b>	\$207.74
Total Tax	207.74	<b>Total</b>	\$1,805.74
Thank you for your business		<b>Payments/Credits</b>	\$0.00
Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.		<b>Balance Due</b>	\$1,805.74

Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

# Invoice

Date	Invoice #
10/18/2018	2344

Invoice To
Twp Leeds & the 1000 Islands 1233 Prince Street PO Box 280 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
10/10/2018	1/2 load of Gabian Stone & 12 rocks	1	400.00	H	400.00
Approval #1 _____ Approval #2 _____ Acct # _____ Sub-Acct # 10-940-9441 6290					

<b>Sales Tax Summary</b> HST (ON)@13.0% 52.00 Total Tax 52.00	<b>Subtotal</b> \$400.00
	<b>Sales Tax Total</b> \$52.00
Thank you for your business  Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.	<b>Total</b> \$452.00
	<b>Payments/Credits</b> \$0.00
	<b>Balance Due</b> \$452.00


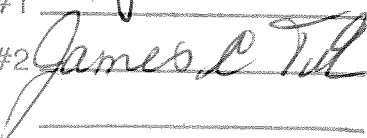
Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

# Invoice

Date	Invoice #
11/6/2018	2350

Invoice To
Twp Leeds & the 1000 Islands 1233 Prince Street PO Box 280 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
11/6/2018	Sandfill to Escott Dump	2	187.00	H	374.00
11/6/2018	Sandfill to Lansdowne Dump	8	153.00	H	1,224.00
Approval #1 					
Approval #2 					
Acct # _____					
Sub-Acct # <u>10-410-4300-6270</u>					

<b>Sales Tax Summary</b>		<b>Subtotal</b>	\$1,598.00
HST (ON)@13.0%	207.74	<b>Sales Tax Total</b>	\$207.74
Total Tax	207.74	<b>Total</b>	\$1,805.74
Thank you for your business		<b>Payments/Credits</b>	\$0.00
Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.		<b>Balance Due</b>	\$1,805.74


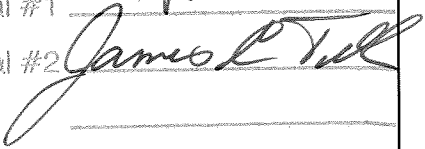
Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

# Invoice

Date	Invoice #
11/30/2018	2353

Invoice To
Twp Leeds & the 1000 Islands 1233 Prince Street PO Box 280 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
11/20/2018	Sandfill to Escott Dump	2	187.00	H	374.00
11/20/2018	Sandfill to Escott Dump	2	187.00	H	374.00
11/20/2018	Sandfill to Lansdowne Dump	16	153.00	H	2,448.00
Approval #1  Approval #2  Acct # _____ Sub-Acct # <u>10-410-4300-6270</u>					

<b>Sales Tax Summary</b>		<b>Subtotal</b>	\$3,196.00
HST (ON)@13.0%	415.48	<b>Sales Tax Total</b>	\$415.48
Total Tax	415.48	<b>Total</b>	\$3,611.48
Thank you for your business		<b>Payments/Credits</b>	\$0.00
Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.		<b>Balance Due</b>	\$3,611.48



Gerald Best Excavating Ltd.  
 575 Reynolds Rd. RR #1  
 Lansdowne On.  
 K0E 1L0

# Invoice

Date	Invoice #
12/31/2018	2355

Invoice To
Twp Leeds & the 1000 Islands 1233 Prince Street PO Box 280 Lansdowne, ON K0E 1L0

Terms
Due on receipt

Serviced	Description	Qty	Rate	Tax	Amount
12/31/2018	Sandfill to Escott Dump	2	187.00	H	374.00
12/31/2018	Sandfill to Lansdowne Dump	8	153.00	H	1,224.00
Approval #1  Approval #2  Acct # _____ Sub-Acct # <u>10-410-4300-6270</u>					

<b>Sales Tax Summary</b> HST (ON)@13.0% 207.74 Total Tax 207.74	<b>Subtotal</b>	\$1,598.00
	<b>Sales Tax Total</b>	\$207.74
	<b>Total</b>	\$1,805.74
	<b>Payments/Credits</b>	\$0.00
	<b>Balance Due</b>	\$1,805.74
Thank you for your business Interest is charged at 2 % per month, 24% per annum on invoices over 30 days.		

**Appendix D**  
**Daily Inspections**





DATE: April 23/18 TIME: 8:00 AM STAFF: P. TRAFFORD

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Puddles from Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>From Face of Hill</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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>8:00 AM</u>	<u>C. FLETCHER</u>	<u>TOWN PICK UP</u>	<u>300 BAGS</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 178

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: 

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: April 24/18 TIME: 8<sup>00</sup> AM STAFF: P. TRAFFORD

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Puddles</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:00 AM</u>	<u>FRATERRE</u>	<u>HOUSEHOLD</u>	<u>140 BAGS</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 155

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: April 26/18 TIME: 8:05 AM STAFF: P. TRARCON

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<u>8:30 AM</u>	<u>FLUTCHER</u>	

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>8:30 AM</u>	<u>FLUTCHER</u>	<u>GARBAGE &amp; RAGS</u>	<u>140 BAGS</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No
<u>9:45 AM</u>	<u>"</u>	<u>"</u>	<u>120 "</u>	<input type="radio"/> Yes / <input checked="" type="radio"/> No
<u>11:55 AM</u>	<u>"</u>	<u>"</u>	<u>150 "</u>	<input type="radio"/> Yes / <input checked="" type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 102

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: April 27/18 TIME: 8:10 AM STAFF: P. TRAFFORD

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>RAIN</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 148

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: 

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: April 28/18 TIME: 8:00 am STAFF: P. TACKER

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 270

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF LITTER CONTROL:**  Yes /  No

DETAILS: Any Picked up (manually) 27/04/18

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

DETAILS: \_\_\_\_\_

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

DETAILS: \_\_\_\_\_

**COMPLAINTS RECEIVED:** Yes /  No

If YES, Complaint File Number (s): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: April 30/18 TIME: 8:00 am STAFF: P. Truffo

**DEFICIENCIES OBSERVED:**

Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	Description / Location <u>RAIN</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

\_\_\_\_\_  
\_\_\_\_\_

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

\_\_\_\_\_  
\_\_\_\_\_

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:00 am	FLETCHER	VILLAGE GARBAGE TRUCK	400 BAGS	<input checked="" type="radio"/> Yes / <input type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 130

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: May 1/18 TIME: 8:00 AM STAFF: P. Truffolo

**DEFICIENCIES OBSERVED:**

		Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>From Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<u>12:30 pm</u>	<u>ROBINSON</u>	<u>DOUBLE AXLE LOAD OF</u>
	<u>CONST.</u>	<u>SHINGLES. (NOT ALLOWED)</u>
		<u>(TAGS FOR SINGLE AXLE LOAD)</u>

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>1:30 pm</u>	<u>FLATNER</u>	<u>Concrete &amp; Rebar</u>	<u>200 BAGS</u>	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 137

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: May 3/18 TIME: 8:00 AM STAFF: P. T. PRORO

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<u>8:00 AM</u>	<u>FURTER</u>	

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>8:00 AM</u>	<u>FURTER</u>	<u>Garbage &amp; heavy</u>	<u>250 Bros</u>	<input checked="" type="radio"/>
<u>11:30 AM</u>	<u>"</u>	<u>" "</u>	<u>200 "</u>	

**TOTAL COUNT OF HOUSEHOLD USERS:** 147

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: May 4/18 TIME: 8:05 AM STAFF: P. Trethewey

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Roof</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 136

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: May 5<sup>th</sup> / 18 TIME: 8:30 STAFF: Dustin Jackson

**DEFICIENCIES OBSERVED:**

Description / Location

- Ponded Water: Yes /  No
- Windblown Litter: Yes /  No
- Leachate Springs: Yes /  No
- Animals:  Yes /  No Birds, chipmunks
- Other: Yes /  No

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 271

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: Dustin Jackson

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: May 7/18 TIME: 8:00 am STAFF: P. Taffaro

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Beusa Pick Area</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<u>9:00 am</u>	<u>UNKNOWN</u>	<u>1 TON TRUCK LOAD (TOO BIG)</u>

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>8:05 am</u>	<u>Fletcher</u>	<u>Village PickUp</u>	<u>400 BAGS</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 192

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Apr. May 8/18 TIME: 8:05 AM STAFF: P. THORP

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>BRUSH AREA</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<u>8:50 AM</u>	<u>UNKNOWN</u>	<u>NOT FROM TOWNSHIP</u>
<u>9:45 AM</u>	<u>"</u>	<u>" " "</u>

**OTHER COMMENTS / OBSERVATIONS**

FLAT TIRE (FRONT ON BACK HOLE) AS PER TRO HAUL  
REPAIRED TO MATCH LEFT SIDE + HAUL FIRM  
PUT IN

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
	<u>FLETCHER</u>	<u>GARBAGE TRUCK</u>		

**TOTAL COUNT OF HOUSEHOLD USERS:** 173

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

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:  
Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: May 10/18 TIME: 8:05 AM STAFF: P. Tarraturo

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<u>9:00 am</u>		

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:00 am</u>	<u>FURCHER</u>	<u>GARBAGE BAGS</u>	<u>200 BROS</u>	
<u>10:45</u>	<u>"</u>	<u>"</u>	<u>100 "</u>	
<u>11:30</u>	<u>"</u>	<u>"</u>	<u>40 "</u>	
<u>3:00 pm</u>	<u>"</u>	<u>"</u>	<u>30 "</u>	

**TOTAL COUNT OF HOUSEHOLD USERS:** 146

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: May 11/18 TIME: 8:00 Am STAFF: P. Tomasco

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 162

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: May 12/18 TIME: 8:00 am STAFF: P. T. MARRARO

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>BUSY AREA</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:30 AM</u>	<u>GIBSON</u>	<u>CONCRETE RECY</u>	<u>50 BAGS</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 308

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: May 14/18 TIME: 8:00 AM STAFF: P. Thompson

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:00 AM	FLETCHER	GARBAGE BAGS	200 BAGS	<input checked="" type="radio"/>
8:20			150	
9:10			150	

**TOTAL COUNT OF HOUSEHOLD USERS:** 186

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: May 15/18 TIME: 8:00 AM STAFF: P. Traverso

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:45 AM</u>	<u>FURTERER</u>	<u>GARBAGE</u>	<u>150</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 114

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: MAY 17/18 TIME: 8:05 AM STAFF: P. TRAPPANO

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>BRUSH AREA</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>8:10 AM</u>	<u>FRATCHER</u>	<u>CARBON</u>	<u>150 BAGS</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No
<u>10:45 AM</u>	<u>"</u>	<u>"</u>	<u>200 "</u>	<input type="radio"/> Yes / <input type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 175

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

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:  
 Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: May 18/18 TIME: 8:05 AM STAFF: P. T. [Signature]

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:15 AM	FURTER	GARBAGE	150 BAGS	

**TOTAL COUNT OF HOUSEHOLD USERS:** 180

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: MAY 19/18 TIME: 8:05 AM STAFF: P. TARRARO

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<u>11:00 AM</u>	<u>UNKNOWN</u>	<u>NOT FROM TOWNSHIP</u>

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 283

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): M. CULLOUGH / ASKED FOR ID SAID STUBB FROM GAN.

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: May 22/18 TIME: 8:05 am STAFF: P. T. [Signature]

**DEFICIENCIES OBSERVED:**

Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:00 am	Fletcher	Vehicle Pick up GARBAGE	150	<input checked="" type="radio"/> Yes / <input type="radio"/> No
8:30 am	"	"	150	
9:15	"	"	200	
10:50	"	"	200	

**TOTAL COUNT OF HOUSEHOLD USERS:** 791

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: May 24/18 TIME: 8:05 AM STAFF: P. Trappo

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Brown Area</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>8:10 AM</u>	<u>Fletcher</u>	<u>Garbage Recy.</u>	<u>150</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No
<u>10:30</u>	<u>"</u>	<u>" "</u>	<u>100</u>	
<u>11:45</u>	<u>"</u>	<u>" "</u>	<u>105</u>	

**TOTAL COUNT OF HOUSEHOLD USERS:** 194

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: May 25/18 TIME: 8:05 AM STAFF: P. Trappero

**DEFICIENCIES OBSERVED:**

		Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<del>_____</del>				
<del>_____</del>				
<del>_____</del>				
<del>_____</del>				

**TOTAL COUNT OF HOUSEHOLD USERS:** 177

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: MAY 26/18 TIME: 8:05 AM STAFF: P. TRAPPOLO

**DEFICIENCIES OBSERVED:**

Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
11:30 AM	UNKNOWN	GAN ADDRESS / BLACK BAGS

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
2:45 PM	GIBSON	GARBAGE BAGS	50 BAGS	<input checked="" type="radio"/> Yes / <input type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 342

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: May 28/18 TIME: 8:05 am STAFF: P. Thompson

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:00am	FLETCHER	GARBAGE & DEBRIS	200 BAGS	<input checked="" type="radio"/> Yes / <input type="radio"/> No
8:30am			150 "	
9:15am			150 "	

**TOTAL COUNT OF HOUSEHOLD USERS:** 186

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: May 29/18 TIME: 8:05 am STAFF: P. 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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:30am	FUTCHER	Concrete & Rebar	75 bags	<input checked="" type="radio"/>
9:30am	"	"	100 "	<input checked="" type="radio"/>
10:45	"	"	50 "	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 137

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: May 31/18 TIME: 8:05 STAFF: P. J. [Signature]

**DEFICIENCIES OBSERVED:**

Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:05 AM	FLATCARE	Caesars & Rays	200 Bags	<input checked="" type="radio"/>
9:45 AM	"	" "	200 "	<input type="radio"/>
10:30 AM	"	" "	100 "	<input type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 167

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 11/18 TIME: 8:05 am STAFF: R. Thompson

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<del>_____</del>				
<del>_____</del>				
<del>_____</del>				
<del>_____</del>				

**TOTAL COUNT OF HOUSEHOLD USERS:** 151

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 2/18 TIME: 8:05 am STAFF: P. Trazzaro

**DEFICIENCIES OBSERVED:**

Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
2:00 PM	CORSON	GARBAGE	100 BAGS	

**TOTAL COUNT OF HOUSEHOLD USERS:** 321

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE:

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 4/18 TIME: 8:30 am STAFF: Hopplund

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>raining</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>fences</u>
Leachate Springs:	<input type="radio"/> Yes / <input checked="" type="radio"/> No	
Animals:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>birds</u>
Other:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 118

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

IF NO: Waste Sent To:

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 5/18 TIME: 8:15 Am STAFF: Amy Popplowell

**DEFICIENCIES OBSERVED:**

Description / Location

Ponded Water:  Yes /  No rain

Windblown Litter:  Yes /  No Against fences & Burns

Leachate Springs: Yes /  No

Animals:  Yes /  No Birds

Other: Yes /  No

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

Pick up trash

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:00	Fletcher	Garbage + recycle	2 cub metres	Y

**TOTAL COUNT OF HOUSEHOLD USERS:** 164

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: *Amy Popplowell*

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 7/18 TIME: 8:15 Am STAFF: Amy Papplewell

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>rained recently</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>fences</u>
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	

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

pick up litter

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**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: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: *Amy Papplewell*

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 8/18 TIME: 8:15 Am STAFF: Amy Poppewell

**DEFICIENCIES OBSERVED:**

Description / Location

Ponded Water: Yes /  No  
 Windblown Litter:  Yes / No Fences  
 Leachate Springs: Yes /  No  
 Animals:  Yes / No Birds  
 Other: Yes /  No

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**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: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 9/18 TIME: 8AM STAFF: Amy Poplewell

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	
Windblown Litter:	<input checked="" type="radio"/> Yes / No	<u>fences</u>
Leachate Springs:	Yes / <input checked="" type="radio"/> No	
Animals:	<input checked="" type="radio"/> Yes / No	<u>Birds</u>
Other:	Yes / <input checked="" type="radio"/> No	

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 300

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: *Amy Poplewell*

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 11/18 TIME: 8:30 STAFF: Dustin Jackson

**DEFICIENCIES OBSERVED:**

Description / Location

Ponded Water: Yes /  No

Windblown Litter:  Yes / No BY fences

Leachate Springs: Yes /  No

Animals:  Yes / No Birds, rodents

Other: Yes /  No

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** \_\_\_\_\_

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

IF NO: Waste Sent To: 152

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 17<sup>th</sup> / 18 TIME: 8:30 STAFF: Dustin Jackson

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	
Windblown Litter:	<input checked="" type="radio"/> Yes / No	<u>By fences</u>
Leachate Springs:	Yes / <input checked="" type="radio"/> No	
Animals:	<input checked="" type="radio"/> Yes / No	<u>Birds, Rodents</u>
Other:	Yes / <input checked="" type="radio"/> No	

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:36</u>	<u>Fletcher</u>	<u>house hold waste</u>	<u>waste site trailer</u>	<u>Yes</u>
<u>12:10</u>	<u>Home Improvement</u>	<u>windows, dry wall</u>	<u>waste load ticket</u>	<u>Yes</u>

**TOTAL COUNT OF HOUSEHOLD USERS:** 129

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: Dustin Jackson

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 14/18 TIME: 8:30 STAFF: Dustin Jackson

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	<u>By Faces</u>
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	<input checked="" type="radio"/> Yes / No	<u>Birds, Rodents</u>
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:13</u>	<u>Clint Fletcher</u>	<u>house hold waste</u>	<u>double side</u>	<u>Yes</u>

**TOTAL COUNT OF HOUSEHOLD USERS:** \_\_\_\_\_

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

IF NO: Waste Sent To: 196

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: Dustin Jackson

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 15/18 TIME: 8:30 STAFF: Dustin Jackson

**DEFICIENCIES OBSERVED:**

Ponded Water: Yes /  No

Windblown Litter:  Yes / No

Leachate Springs: Yes /  No

Animals:  Yes / No

Other: Yes /  No

Description / Location

By fences, and bins

Birds rodents

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 173

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: Dustin Jackson

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 16/18 TIME: 8:15 Am STAFF: A. Applewell

**DEFICIENCIES OBSERVED:**

Description / Location

Ponded Water: Yes /  No  
 Windblown Litter:  Yes / No fences.  
 Leachate Springs: Yes /  No  
 Animals:  Yes / No Birds  
 Other: Yes /  No

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 282

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: A. Applewell

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 18/15 TIME: 8:05 STAFF: P. Traverso

**DEFICIENCIES OBSERVED:**

Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:15 AM	FLATCHER	Garbage & Recy	150 BAGS	<input checked="" type="radio"/>
8:40 AM	"	" "	150 "	<input type="radio"/>
9:00 AM	"	" "	200 "	<input type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 176

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

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:  
 Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 19/18 TIME: 8:05 am STAFF: P. Traverso

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

Called Jim / Titanium Tire Re Pick up.  
July 12/18

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:00am	FULTON	GARBAGE & Recy.	200 Bags	<input checked="" type="radio"/>
10:00am	"	" "	100 "	<input type="radio"/>
1:15pm	"	" "	150 "	<input type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 161

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 21/18 TIME: 8:05 AM STAFF: P. Trazzaro

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:00 AM	FLETCHER	GARBAGE & RECY	100 BAGS	<input checked="" type="radio"/> Yes / <input type="radio"/> No
10:50 AM			200 "	
2:00 PM			50 "	

**TOTAL COUNT OF HOUSEHOLD USERS:** 173

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 22/18 TIME: 8:05 am STAFF: P. TAMPORO

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**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: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 23/18 TIME: 8:05 am STAFF: P. Tractinsky

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del> </del>		
<del> </del>		
<del> </del>		
<del> </del>		

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
3:15 PM	GIBSON	Garbage bags	100 Bags	<u>Yes</u>

**TOTAL COUNT OF HOUSEHOLD USERS:** 290

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 25/18 TIME: 8:05 AM STAFF: P. Traczko

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

Called Thompson for od dog pick-up.

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:20 AM	Fletcher	GARBAGE & LEG	200 BAGS	<input checked="" type="radio"/>
8:45 AM	"	" "	250 "	
9:15 AM	"	" "	100 "	

**TOTAL COUNT OF HOUSEHOLD USERS:** 154

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 26/18 TIME: 8:05 am STAFF: P. Tarron

**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:	Yes / <u>No</u>	_____
Other:	Yes / <u>No</u>	_____

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
11:30 am	FLATCHEE	GARBAGE + DEBRIS	150 BAGS	<u>Yes</u>
1:30 pm	"	" "	150 "	<u>Yes</u>

**TOTAL COUNT OF HOUSEHOLD USERS:** 156

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 28/18 TIME: 8:05 AM STAFF: P. Tractor

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
		<del>_____</del>

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:15 AM</u>	<u>FLETCHER</u>	<u>GARBAGE</u>	<u>150 BAGS</u>	<input checked="" type="radio"/>
<u>11:00 AM</u>	<u>  </u>	<u>  </u>	<u>75 BAGS</u>	

**TOTAL COUNT OF HOUSEHOLD USERS:** 190

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF LITTER CONTROL:**  Yes /  No

DETAILS: Clean up around steel bin.

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

DETAILS: \_\_\_\_\_

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

DETAILS: \_\_\_\_\_

**COMPLAINTS RECEIVED:** Yes /  No

If YES, Complaint File Number (s): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 29/18 TIME: 8:05 am STAFF: P. Timmins

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<del>_____</del>				
<del>_____</del>				
<del>_____</del>				
<del>_____</del>				

**TOTAL COUNT OF HOUSEHOLD USERS:** 188

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: June 30/18 TIME: 8:05 AM STAFF: P. Trappo NO

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 263

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF LITTER CONTROL:** Yes /  No

DETAILS: \_\_\_\_\_

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

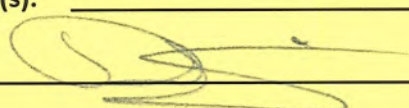
DETAILS: \_\_\_\_\_

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

DETAILS: \_\_\_\_\_

**COMPLAINTS RECEIVED:** Yes /  No

If YES, Complaint File Number (s): \_\_\_\_\_

SIGNATURE: 

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Dec 3/18 TIME: 8:05 AM STAFF: P. Traverso

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:15 AM	Furukawa	Garbage + Recy	250 Bags	<input checked="" type="radio"/> Yes / <input type="radio"/> No
9:00 AM	"	" "	150 "	
10:45 AM	"	" "	150 "	
12:70 PM	"	" "	100 "	

**TOTAL COUNT OF HOUSEHOLD USERS:** 245

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: July 5/18 TIME: 8:05 AM STAFF: P. Thompson

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:15 AM	FLITCHER	GARBAGE + RAGS	150 BAGS	<input checked="" type="radio"/>
11:45 AM	Y	" "	200 "	<input checked="" type="radio"/>
11:30	GIBSON	" "	50 "	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 215

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: July 6/18 TIME: 8:05 AM STAFF: P. Traverso

**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:	Yes / <u>No</u>	_____
Other:	Yes / <u>No</u>	_____

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

WARD 1, **WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<del>_____</del>				
<del>_____</del>				
<del>_____</del>				
<del>_____</del>				

**TOTAL COUNT OF HOUSEHOLD USERS:** 192

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Jul 7/18 TIME: 8:05 am STAFF: P. Trappo

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

WARD 1

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
2:30	COIBSAD	GARBAGE	75 BAGS	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 305

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF LITTER CONTROL:** Yes /  No

DETAILS: \_\_\_\_\_

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

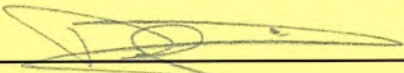
DETAILS: \_\_\_\_\_

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

DETAILS: \_\_\_\_\_

**COMPLAINTS RECEIVED:** Yes /  No

If YES, Complaint File Number (s): \_\_\_\_\_

SIGNATURE: 

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: 2029/18 TIME: 805 AM STAFF: P. J. MARRASO

**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:	Yes / <u>No</u>	_____
Other:	Yes / <u>No</u>	_____

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
805 AM	FLITCHER	CASBACH / HOG	200 BAGS	<u>Yes</u>
8:30 AM	"	" "	200 BAGS	
9:15	"	" "	150 BAGS	

**TOTAL COUNT OF HOUSEHOLD USERS:** 197

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

**DESCRIPTION OF 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): \_\_\_\_\_

**SIGNATURE:** \_\_\_\_\_

OFFICE USE:  
 Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: July 10/18 TIME: 8:05 AM STAFF: P. TRAFFORD

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

WARD 1

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:45 AM	AMFISTENKA	GARBAGE + RECY.	200 BAGS	
10:20	"	" "	100 "	
2:00 PM	"	"	100 "	

**TOTAL COUNT OF HOUSEHOLD USERS:** 155

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: July 12/18 TIME: 8:05 am STAFF: P. Trappero

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

Tires Picked Up.

WARD 1

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:20	FLETCHER	COMBAGET Recy	200 BAGS	<input checked="" type="radio"/>
11:10	"	" "	150 "	
12:15	"	" "	100 "	

**TOTAL COUNT OF HOUSEHOLD USERS:** 245

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: July 13/18 TIME: 8:05 AM STAFF: P. TRAPPOLD

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

Ward 1

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**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: 189

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: July 14/18 TIME: 8:05 am STAFF: P. Trappero

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

WARD 1

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:00 am</u>	<u>GIBSON</u>	<u>GARBAGE</u>	<u>50 BAGS</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 260

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: July 16/18 TIME: 8:05 am STAFF: P. Tanasco

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

WACO 1

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:10 AM	FLETCHER	CARBON-Rec.	200 BAGS	<input checked="" type="radio"/>
8:35 AM	"	" "	200 "	<input type="radio"/>
9:05	"	" "	100 "	<input type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 186

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: July 17/18 TIME: 8:05 AM STAFF: P. T. [Signature]

**DEFICIENCIES OBSERVED:**

Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>RAIN</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

WASTE DISPOSAL SITE DAILY INSPECTION FORM

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:30 AM</u>	<u>FLETCHER</u>	<u>CARBON &amp; Rec.</u>	<u>150 BAGS</u>	<input checked="" type="radio"/>
<u>11:30 AM</u>	<u>"</u>	<u>" "</u>	<u>125 "</u>	<input type="radio"/>
<u>12:30</u>	<u>"</u>	<u>" "</u>	<u>150 "</u>	<input type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 170

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

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:  
 Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: July 19/18 TIME: 8:05 AM STAFF: P. T. ...

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

WARD 1  
**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 AM	FLETCHER	GARBAGE TRUCK	150	<input checked="" type="radio"/> Yes / No
3:30 PM	"	" "	250	

**TOTAL COUNT OF HOUSEHOLD USERS:** 185

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

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:  
Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: July 20/18 TIME: 8:05 AM STAFF: P. TRAFFORD

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

Called Monro Re Bins 11:35am  
on way - may be short 1

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 186

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: July 21/18 TIME: 8:05 AM STAFF: P. TARTAGLIA

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	
Windblown Litter:	<input checked="" type="radio"/> Yes / No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

People in ARTER HOUSE

**WARD 1  
WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>1:30 PM</u>	<u>GIBSON</u>	<u>COMBAGE</u>	<u>100 BAGS</u>	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 280

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: July 23/18 TIME: 8:05 AM STAFF: P. TRAFFORD

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>RAIN =</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

People in J night.  
MNR - Draping Garbage  
wall

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>8:10 AM</u>	<u>FLETCHER</u>	<u>GARBAGE &amp; RECY</u>	<u>200 BAGS</u>	<input checked="" type="checkbox"/>
<u>9:15</u>	<u>"</u>	<u>" "</u>	<u>200 BAGS</u>	<input checked="" type="checkbox"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 200

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: July 24/18 TIME: 8:05 AM STAFF: P. TRAFFORD

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

WARD 1  
**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:15 AM</u>	<u>FURTERER</u>	<u>GARBAGE REEF</u>	<u>100 BAGS</u>	<input checked="" type="radio"/>
<u>11:15 AM</u>	<u>"</u>	<u>"</u>	<u>150 BAGS</u>	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 146

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: July 26/18 TIME: 8:05 AM STAFF: P. Trappo

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>RAIN</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WARD 1**  
**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:45 AM	FLETCHER	CARBON RECY	300 BAGS	<input checked="" type="radio"/> Yes / <input type="radio"/> No
10:30 AM	"	" "	150 "	

**TOTAL COUNT OF HOUSEHOLD USERS:** 205

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: July 27/18 TIME: 8:55 am STAFF: P. TROCENCO

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

WARD 1  
**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 185

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Jul 28/18 TIME: 8:05 AM STAFF: P. TRAFFORD

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

WARD 1  
**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>11:30 AM</u>	<u>GIBSON</u>	<u>GARBAGE</u>	<u>50 BAGS</u>	<input checked="" type="radio"/> Yes / No

**TOTAL COUNT OF HOUSEHOLD USERS:** 285

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: July 30/18 TIME: 8:05 am STAFF: P. Thompson

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

WARD 1  
**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:15 AM	FLATNER	GARBAGE RECY	250 BAGS	<input checked="" type="radio"/> Yes / No
8:40	"	"	150 "	
9:10	"	"	100 "	

**TOTAL COUNT OF HOUSEHOLD USERS:** 201

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 31/18 TIME: 8:05 AM STAFF: P. Trappone

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del> </del>		
<del> </del>		
<del> </del>		
<del> </del>		

**OTHER COMMENTS / OBSERVATIONS**

WARD 1

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:45 AM	FRATECNA	COARSE GRASS	75 Bags	<input checked="" type="checkbox"/>
9:30	"	"	50 "	<input checked="" type="checkbox"/>
10:30	"	"	175 "	<input checked="" type="checkbox"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 175

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 21/18 TIME: 8:05 AM STAFF: P. Trappero

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:30 AM	FLETCHER	GARBAGE	250 Bags	<input checked="" type="radio"/> Yes / No
12:30 PM	"	"	150 "	

**TOTAL COUNT OF HOUSEHOLD USERS:** 202

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 31/18 TIME: 8:05 am STAFF: P. Tralfford

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

WARD 1

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 225

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 4/18 TIME: 8:05 AM STAFF: P. Tappero

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 303

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF LITTER CONTROL:**  Yes / No

DETAILS: Backed Lower SECTION

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

DETAILS: \_\_\_\_\_

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

DETAILS: \_\_\_\_\_

**COMPLAINTS RECEIVED:** Yes /  No

If YES, Complaint File Number (s): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 7/18 TIME: 8:05 AM STAFF: P. Trappero

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

WARD 1  
**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:15 AM	FLUTEAR	CARBONET RING	200 BAGS	<input checked="" type="radio"/> Yes / <input type="radio"/> No
8:50	"	"	100 "	
9:30	"	"	250 "	
10:30	"	"	200 "	

**TOTAL COUNT OF HOUSEHOLD USERS:** 265

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE:

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 9/18 TIME: 8:05 AM STAFF: P. Trappero

**DEFICIENCIES OBSERVED:**

Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>RAIN</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

WARD 1  
**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:45 AM</u>	<u>FLETCHER</u>	<u>GARBAGE TRUCK</u>	<u>200 BAGS</u>	<input checked="" type="radio"/>
<u>11:30</u>	<u>"</u>	<u>" "</u>	<u>200 BAGS</u>	<input type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 225

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 10/18 TIME: 8:05 AM STAFF: P. TACKORS

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>RAIN</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

WARD 1  
**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 215

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE:

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 11/18 TIME: 8:05 AM STAFF: A. Trappero

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

WARD 1

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
2:30pm	GIBSON	COARBAGA	100 BAGS	<input checked="" type="radio"/> Yes / No

**TOTAL COUNT OF HOUSEHOLD USERS:** 274

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 13/18 TIME: 8:05 AM STAFF: P. TRAFFORD

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del> </del>		
<del> </del>		
<del> </del>		
<del> </del>		

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:10 AM	FLETCHER	Carbide + R20	200 BAGS	<input checked="" type="radio"/>
8:40	"	" "	200 "	<input checked="" type="radio"/>
9:10	"	" "	100 "	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 192

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 14/18 TIME: 8:05 am STAFF: P. Trappero

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

BACK GATE CLEANED UP

WARD 1

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:30 AM</u>	<u>FLETCHER</u>	<u>Garbage/Recy</u>	<u>150 BAGS</u>	<input checked="" type="radio"/>
<u>10:30</u>	<u>"</u>	<u>" "</u>	<u>200 BAGS</u>	<input type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 170

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 16/18 TIME: 8:05 STAFF: P. TRAYNARD

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

WARD 1  
**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:45 AM</u>	<u>FLETCHER</u>	<u>CORRUGATED RECY</u>	<u>200 BAGS</u>	<input checked="" type="radio"/>
<u>10:50 AM</u>	<u>"</u>	<u>"</u>	<u>100 "</u>	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 210

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 17/18 TIME: 8:05 am STAFF: P. TRAFFORD

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

WARD  
**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<del>_____</del>				
<del>_____</del>				
<del>_____</del>				
<del>_____</del>				

**TOTAL COUNT OF HOUSEHOLD USERS:** 157

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 18/18 TIME: 8:05 AM STAFF: P. TARRARO

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

WARD 1  
**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:30 AM</u>	<u>GIBSON</u>	<u>Garbage</u>	<u>50 Bags</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 295

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

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:  
Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 20/18 TIME: 8:05 am STAFF: P. Trappero

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
11:30 AM	UNKNOWN	LOAD OF STUMPS.

**OTHER COMMENTS / OBSERVATIONS**

WARD 1

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:15 AM	FLETCHER	GARBAGE + RECY	250 BAGS	<input checked="" type="radio"/>
8:40	"	"	200 "	
9:15	"	"	150 "	

**TOTAL COUNT OF HOUSEHOLD USERS:** 178

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: 

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 21/18 TIME: 8:05 AM STAFF: P. Trappero

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:00 AM	FLETCHER	GARBAGE RECY	150 BAGS	<input checked="" type="radio"/>
10:30 AM	"	" "	100 "	
12:30	"	"	100 "	

**TOTAL COUNT OF HOUSEHOLD USERS:** 155

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: 

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 23/18 TIME: 8:05 AM STAFF: P. Traverso

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>RAIN</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

WARD 1  
**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>8:05 AM</u>	<u>FURTERRE</u>	<u>GARBAGE</u>	<u>150 BAGS</u>	<input checked="" type="radio"/>
<u>9:45</u>	<u>"</u>	<u>"</u>	<u>100 "</u>	
<u>10:30</u>	<u>"</u>	<u>"</u>	<u>150 "</u>	

**TOTAL COUNT OF HOUSEHOLD USERS:** 198

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 24/18 TIME: 2:05 AM STAFF: P. Traverso

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

WARD 1  
**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<del>_____</del>				

**TOTAL COUNT OF HOUSEHOLD USERS:** 196

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 25/18 TIME: 8:05am STAFF: P. TRAFFORD

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

WARD 1  
**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 271

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 27/18 TIME: 8:10 AM STAFF: Amy Popplewell

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	<input checked="" type="radio"/> Yes / No	<u>Birds</u>
Other:	Yes / <input checked="" type="radio"/> No	_____

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<u>11:42 AM</u>	<u>?</u>	<u>Not proper tarp</u>

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**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: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: Popplewell

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 28/18 TIME: 8Am STAFF: Amy Popplawell

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	<input checked="" type="radio"/> Yes / No	<u>Birds</u>
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 148

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: *Amy Popplawell*

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 30/18 TIME: 8:10 AM STAFF: Appdowell

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	<input checked="" type="radio"/> Yes / No	<u>Birds</u>
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>8:45 AM</u>	<u>fletchers</u>	<u>mixed</u>	<u>trailer</u>	<u>Y</u>
<u>9:28 AM</u>	<u>fletchers</u>	<u>mixed</u>	<u>trailer</u>	<u>Y</u>

**TOTAL COUNT OF HOUSEHOLD USERS:** 173

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: Appdowell

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 31 / 18 TIME: 8:10am STAFF: Amy Poppoewell

**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	_____
Other:	Yes / <u>No</u>	_____

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**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: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: Amy Poppoewell

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Sept 1/18 TIME: 835Am STAFF: Rappaport

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	<input checked="" type="radio"/> Yes / No	<u>Birds</u>
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 341

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: Rappaport

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Sept 4/18 TIME: 8:05 AM STAFF: P. Tracco

**DEFICIENCIES OBSERVED:**

Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:10 AM	FLETCHER	COARBACRT RECY	1 T/L	<input checked="" type="radio"/>
8:45 AM	"	"	"	
9:30	"	"	"	
10:45	"	"	"	

**TOTAL COUNT OF HOUSEHOLD USERS:** 212

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: 2018/06/18 TIME: 8:05 AM STAFF: P. MAZZARO

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:50 AM	FLR TRAIL	CARGO	1 T/L	<input checked="" type="radio"/> Yes / <input type="radio"/> No
9:30 AM	"	"	"	

**TOTAL COUNT OF HOUSEHOLD USERS:** 250

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: 20/5/12 TIME: 8:05 AM STAFF: P. T. MARCOLO

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	
Windblown Litter:	<input checked="" type="radio"/> Yes / No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 165

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Sept 8/18 TIME: 8:05 AM STAFF: P. TRAFFORD

**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:	Yes / <u>No</u>	_____
Other:	Yes / <u>No</u>	_____

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<del>_____</del>				

**TOTAL COUNT OF HOUSEHOLD USERS:** 275

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Sept 10/18 TIME: 8:05 AM STAFF: P. TATEFORD

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	Description / Location
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:05 AM	FLETCHER	GARBAGE	1 T/L	<input checked="" type="radio"/> Yes / No
8:30	"	"	"	
9:15	"	"	"	

**TOTAL COUNT OF HOUSEHOLD USERS:** 115

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF LITTER CONTROL:**  Yes /  No

DETAILS: CLEAN UP AROUND BINS (Jim)

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

DETAILS: \_\_\_\_\_

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

DETAILS: \_\_\_\_\_

**COMPLAINTS RECEIVED:** Yes /  No

If YES, Complaint File Number (s): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Sept 11/18 TIME: 8:05 AM STAFF: P. TEAROOD

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
Leachate Springs:	<input type="radio"/> Yes / <input type="radio"/> No	
Animals:	<input type="radio"/> Yes / <input type="radio"/> No	
Other:	<input type="radio"/> Yes / <input type="radio"/> No	

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:30 AM</u>	<u>Fletcher</u>	<u>Garbage</u>	<u>1 T/L</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 125

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF LITTER CONTROL:**  Yes /  No

DETAILS: Pick up Around Bins Below Wall

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

DETAILS: \_\_\_\_\_

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

DETAILS: \_\_\_\_\_

**COMPLAINTS RECEIVED:**  Yes /  No

If YES, Complaint File Number (s): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Sept 13/18 TIME: 8:05 AM STAFF: P. TRAFFORD

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

W-1  
**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:45 AM	FLITCHER	CORRUGATED	1 T/L	<input checked="" type="radio"/> Yes / <input type="radio"/> No
10:30 AM	"	"	"	
11:15 AM	"	"	"	
12:50 PM	"	"	"	

**TOTAL COUNT OF HOUSEHOLD USERS:** 150

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: 2017/1/18 TIME: 8:05 am STAFF: P. Traverso

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del> </del>		
<del> </del>		
<del> </del>		
<del> </del>		

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>2:30 pm</u>	<u>GIBSON</u>	<u>Carriage Hay</u>	<u>70 BAGS</u>	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 161

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF LITTER CONTROL:**  Yes / No

DETAILS: Always Paper 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): \_\_\_\_\_

SIGNATURE: 

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Sept 15/18 TIME: 2:05 pm STAFF: P. Thompson

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>2:45 pm</u>	<u>Carsons</u>	<u>Garbage</u>	<u>70 Bags</u>	<input checked="" type="radio"/> Yes / No

**TOTAL COUNT OF HOUSEHOLD USERS:** 260

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





W-1

DATE: 2017/18 TIME: 8:05 am STAFF: P. Thompson

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:05 AM	FLITCHER	GARBAGE	1 T/L	<input checked="" type="radio"/> Yes / No
8:30	"	"	"	

**TOTAL COUNT OF HOUSEHOLD USERS:** 158

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Sept 18/18 TIME: 8:05 am STAFF: P. T. MARRON

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:00 am	FRATONKA	COBBLES	1 TL	
11:00 am	"	"	"	
1:15 pm	"	"	"	

**TOTAL COUNT OF HOUSEHOLD USERS:** 135

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Sept 20/18 TIME: 8:05 AM STAFF: P. Tarraro

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:05 AM	Fletcher	GARBAGE	1 T/L	<input checked="" type="radio"/>
9:30	"	"	1 T/L	<input checked="" type="radio"/>
10:50	"	"	1 T/L	<input checked="" type="radio"/>
11:50	"	"	1 T/L	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 172

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF LITTER CONTROL:**  Yes / No

DETAILS: Asphalt Paving & BUREAU OF PUBLIC WORKS 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): [Signature]

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Sept 21/18 TIME: 8:05 AM STAFF: P. Trappero

**DEFICIENCIES OBSERVED:**

Ponded Water:  Yes /  No Rain - Description / Location

Windblown Litter:  Yes /  No

Leachate Springs: Yes /  No

Animals: Yes /  No

Other: Yes /  No

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**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: 133

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Sept 22/18 TIME: 8:05 am STAFF: P. TARRORO

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>RAIN</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
Leachate Springs:	Yes / No	
Animals:	Yes / No	
Other:	Yes / No	

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:45 am</u>	<u>GIBSON</u>	<u>CONCRETE</u>	<u>75 BAGS</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 242

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Sept 24/18 TIME: 8:05 AM STAFF: P. TRAFFORD

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:05 AM	FLETCHER	GARBAGE	1 T/L	<input checked="" type="checkbox"/>
8:35	"	"	"	<input checked="" type="checkbox"/>
9:30	"	"	"	<input checked="" type="checkbox"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 151

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

**SIGNATURE:** \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Aug 25/18 TIME: 8:05 AM STAFF: P. TRAPPARD

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>RAIN</u>
Windblown Litter:	<input type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:30 AM</u>	<u>FLETCHER</u>	<u>GARBAGE</u>	<u>1 T/L</u>	<input checked="" type="radio"/>
<u>11:55</u>	<u>"</u>	<u>"</u>	<u>1 T/L</u>	<input type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 81

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Sept 27/18 TIME: 8:05 am STAFF: P. TRAPPELO

**DEFICIENCIES OBSERVED:**

Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>RAIN</u>	Description / Location
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No		
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:45 am</u>	<u>Fletcher</u>	<u>GARBAGE</u>	<u>1 TLU</u>	<input checked="" type="radio"/>
<u>11:30 am</u>	<u>"</u>	<u>"</u>	<u>1 TLU</u>	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 175

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): [Signature]

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Sept 28/18 TIME: 8:05 am STAFF: P. TRAPPO

**DEFICIENCIES OBSERVED:**

Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
Leachate Springs:	Yes / <input checked="" type="radio"/> No	
Animals:	Yes / <input checked="" type="radio"/> No	
Other:	Yes / <input checked="" type="radio"/> No	

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 151

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Sept 29/18 TIME: 8:05 am STAFF: P. TACKER

**DEFICIENCIES OBSERVED:**

Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>2:30 pm</u>	<u>GIBSON</u>	<u>GARBAGE</u>	<u>80 BAGS</u>	

**TOTAL COUNT OF HOUSEHOLD USERS:** 235

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Mon Oct 1/18 TIME: 8:30 Am STAFF: Dustin Jackson

**DEFICIENCIES OBSERVED:**

Description / Location

- Ponded Water: Yes /  No
- Windblown Litter: Yes /  No
- Leachate Springs: Yes /  No
- Animals:  Yes / No Birds
- Other: Yes /  No

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 136

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Tues Oct 23 / 18 TIME: 8:30 AM STAFF: Dustin Jackson

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input type="radio"/> Yes / <input checked="" type="radio"/> No	
Leachate Springs:	<input type="radio"/> Yes / <input checked="" type="radio"/> No	
Animals:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Birds</u>
Other:	<input type="radio"/> Yes / <input checked="" type="radio"/> No	

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<u>9:30 AM</u>	<u>Fletcher</u>	

**OTHER COMMENTS / OBSERVATIONS**

95

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:30 AM</u>	<u>Fletcher</u>	<u>Household Waste</u>	<u>Trailer load</u>	<u>Yes</u>
<u>12:15 PM</u>	<u>Fletcher</u>	<u>Household</u>	<u>Trailer load</u>	<u>Yes</u>

**TOTAL COUNT OF HOUSEHOLD USERS:** 93

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: Dustin Jackson

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Oct 4<sup>th</sup> / 18 TIME: 8:30 AM STAFF: Dustin Jackson

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Raining</u>
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	_____

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>8:30am</u>	<u>Fletcher</u>	<u>household</u>	<u>trailer load</u>	<u>Yes</u>
<u>10:35am</u>	<u>Fletcher</u>	<u>Household</u>	<u>trailer load</u>	<u>Yes</u>

**TOTAL COUNT OF HOUSEHOLD USERS:** 173

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: Dustin Jackson

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Oct 5<sup>th</sup> / 18 TIME: 8:30 Am STAFF: Dustin Jackson

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
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 / No	<u>Birds</u>
Other:	Yes / <input checked="" type="radio"/> No	_____

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 196

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: Dustin Jackson

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Oct 6<sup>th</sup> / 18 TIME: 8:30 Am STAFF: Dustin Jackson

**DEFICIENCIES OBSERVED:**

Description / Location

- Ponded Water: Yes /  No
- Windblown Litter: Yes /  No
- Leachate Springs: Yes /  No
- Animals:  Yes /  No Birds
- Other: Yes /  No

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 264

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: Dustin Jackson

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: 05/18 TIME: 8:05 AM STAFF: P. Thompson

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>8:05 AM</u>	<u>FLETCHER</u>	<u>CRUSHED</u>	<u>1 T/L</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No
<u>8:30</u>	<u>"</u>	<u>"</u>	<u>"</u>	
<u>9:45</u>	<u>"</u>	<u>"</u>	<u>1 T/L</u>	

**TOTAL COUNT OF HOUSEHOLD USERS:** 182

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

IF NO: Waste Sent To: VIA

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: 05/11/18 TIME: 8:05 AM STAFF: P. TAZZARO

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>RAIN</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:00 AM</u>	<u>FLETCHER</u>	<u>COBBLE</u>	<u>1 TL</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No
<u>12:30</u>	<u>FLETCHER</u>	<u>GARBAGE</u>	<u>1 TRAILERLOAD</u>	<u>YES</u>

**TOTAL COUNT OF HOUSEHOLD USERS:** 161

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: 05/24/18 TIME: 8:05 AM STAFF: P. TRAPPARD

**DEFICIENCIES OBSERVED:**

Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del> </del>		

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 163

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





W-1

DATE: 02/13/18 TIME: 8:05 AM STAFF: P. Traverso

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain WATER</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 253

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: 02/15/18 TIME: 8:05 AM STAFF: P. TRAPERO

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input type="radio"/> Yes / <input type="radio"/> No	_____
Leachate Springs:	<input type="radio"/> Yes / <input checked="" type="radio"/> No	_____
Animals:	<input type="radio"/> Yes / <input checked="" type="radio"/> No	_____
Other:	<input type="radio"/> Yes / <input checked="" type="radio"/> No	_____

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>8:55 AM</u>	<u>Fletcher</u>	<u>Garbage</u>	<u>1 T/K</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No
<u>8:30</u>	<u>"</u>	<u>"</u>	<u>"</u>	

**TOTAL COUNT OF HOUSEHOLD USERS:** 98

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: 02/16/18 TIME: 8:05 AM STAFF: P. Trufford

**DEFICIENCIES OBSERVED:**

Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:00 AM</u>	<u>FUTURE</u>	<u>Garbage</u>	<u>1 T/L</u>	<input checked="" type="radio"/>
<u>12:45 pm</u>	<u>"</u>	<u>"</u>	<u>1 T/L</u>	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 141

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: 05/18/18 TIME: 8:05 AM STAFF: P. Teague

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
Leachate Springs:	<input type="radio"/> Yes / <input type="radio"/> No	
Animals:	<input type="radio"/> Yes / <input type="radio"/> No	
Other:	<input type="radio"/> Yes / <input type="radio"/> No	

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:10 AM</u>	<u>FURCHER</u>	<u>Garbage</u>	<u>1 T/L</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No
<u>11:30</u>	<u>"</u>	<u>"</u>	<u>1 T/L</u>	

**TOTAL COUNT OF HOUSEHOLD USERS:** 161

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): [Signature]

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_









DATE: 05/20/18 TIME: 8:05 am STAFF: P. TRAPERO

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>1:30 pm</u>	<u>GIBSONS</u>	<u>GARBAGE</u>	<u>50 BAGS</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 251

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: 03/22/18 TIME: 8:05 AM STAFF: P. Trappolo

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:05 AM	FURCHER	COARBAGS	1 TIL	<input checked="" type="radio"/> Yes / <input type="radio"/> No
8:30	"	"	1 TIL	
9:00	"	"	1 TIL	

**TOTAL COUNT OF HOUSEHOLD USERS:** 141

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): [Signature]

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





W-1

DATE: 05/23/18 TIME: 8:05 AM STAFF: P. T...

**DEFICIENCIES OBSERVED:**

Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
Leachate Springs:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
Animals:	<input type="radio"/> Yes / <input checked="" type="radio"/> No	_____
Other:	<input type="radio"/> Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 AM	FRETCHER	COARSE	1 T/C	<input checked="" type="radio"/> Yes / <input type="radio"/> No
11:00 AM	"	"	1 T/C	<input type="radio"/> Yes / <input checked="" type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 131

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: 

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: 02/25/18 TIME: 8:05 AM STAFF: P. Trazzoro

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:45 AM	FLATHEAD	GARBAGE	1 T/L	
9:30 AM	"	"	1 T/L	

**TOTAL COUNT OF HOUSEHOLD USERS:** 141

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: 03 26/18 TIME: 8:05 Am STAFF: P. T. M. FERRARA

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 157

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: 05 27/18 TIME: 8:05 AM STAFF: P. Trappero

**DEFICIENCIES OBSERVED:**

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>	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
2:15 pm	Garrison's	GARBAGE	75 BAGS	<u>Yes</u>

**TOTAL COUNT OF HOUSEHOLD USERS:** 252

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: 05/29/18 TIME: 8:05 am STAFF: P. Traverso

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8 <sup>10</sup> AM	<u>FLATERRA</u>	<u>CARBAGE</u>	<u>1 T/L</u>	<input checked="" type="radio"/>
8 <sup>30</sup> AM	<u>"</u>	<u>"</u>	<u>1 T/L</u>	<input checked="" type="radio"/>
8 <sup>50</sup> AM	<u>"</u>	<u>"</u>	<u>40 BAGS</u>	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 116

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: 30/10/18 TIME: 8:05 AM STAFF: P. TRAFORO

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>RAIN</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:25 AM</u>	<u>FLETCHER</u>	<u>GARBAGE</u>	<u>1 T/L</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No
<u>11:45 AM</u>	<u>"</u>	<u>"</u>	<u>1 T/L</u>	

**TOTAL COUNT OF HOUSEHOLD USERS:** 121

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Nov 1 / 18 TIME: 8:05 AM STAFF: P. TRAPPO

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>8:30 AM</u>	<u>FLETCHER</u>	<u>CRUSHED</u>	<u>1 T/V</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No
<u>10:40</u>	<u>"</u>	<u>"</u>	<u>"</u>	
<u>12:30</u>	<u>"</u>	<u>"</u>	<u>"</u>	

**TOTAL COUNT OF HOUSEHOLD USERS:** 121

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Nov 21/18 TIME: 8:05 am STAFF: P. Tarraro

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>RAIN</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**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: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE:

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Nov 3 / 18 TIME: 8:05 AM STAFF: P. TARRON

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>1:45 pm</u>	<u>COISSON</u>	<u>GARBAGE</u>	<u>50 BAGS</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 237

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: NOV 5/18 TIME: 8:05 AM STAFF: P. T...

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>8:05 AM</u>	<u>FLUTCHER</u>	<u>GARBAGE</u>	<u>1 T/L</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No
<u>8:30 AM</u>	<u>"</u>	<u>"</u>	<u>"</u>	
<u>9:15 AM</u>	<u>"</u>	<u>"</u>	<u>"</u>	

**TOTAL COUNT OF HOUSEHOLD USERS:** 134

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Nov 1/18 TIME: 8:05 Am STAFF: P. Trappero

**DEFICIENCIES OBSERVED:**

Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:30 am</u>	<u>FLETCHER</u>	<u>CARBON</u>	<u>1 T/L</u>	<input checked="" type="radio"/>
<u>11:45 am</u>	<u>"</u>	<u>"</u>	<u>1 T/L</u>	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 71

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Nov 8/18 TIME: 8:05 am STAFF: P. Taccaro

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:05 AM</u>	<u>FLETCHER</u>	<u>GARBAGE</u>	<u>1 T/L</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No
<u>10:45 AM</u>	<u>"</u>	<u>"</u>	<u>"</u>	

**TOTAL COUNT OF HOUSEHOLD USERS:** 152

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF LITTER CONTROL:** Yes /  No

DETAILS: \_\_\_\_\_

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

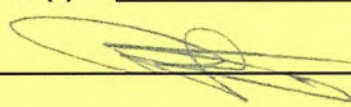
DETAILS: \_\_\_\_\_

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

DETAILS: \_\_\_\_\_

**COMPLAINTS RECEIVED:** Yes /  No

If YES, Complaint File Number (s): \_\_\_\_\_

SIGNATURE: 

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Nov 9/18 TIME: 8:05 am STAFF: P. TARRARO

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>RAIN</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
Leachate Springs:	<input type="radio"/> Yes / <input checked="" type="radio"/> No	
Animals:	<input type="radio"/> Yes / <input checked="" type="radio"/> No	
Other:	<input type="radio"/> Yes / <input checked="" type="radio"/> No	

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<u>2<sup>00</sup> pm</u>	<u>GARY ANDERSON</u>	<u>Tri Axle Trailer</u>

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 124

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): Shovel Trace across Loads

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Nov 10/18 TIME: 8:05 AM STAFF: P. TRARLO

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>RAIN</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:30 AM</u>	<u>GIBSONS</u>	<u>Garbage</u>	<u>50 BAGS</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 266

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF LITTER CONTROL:** Yes /  No

DETAILS: \_\_\_\_\_

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

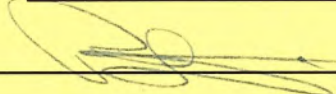
DETAILS: \_\_\_\_\_

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

DETAILS: \_\_\_\_\_

**COMPLAINTS RECEIVED:** Yes /  No

If YES, Complaint File Number (s): \_\_\_\_\_

SIGNATURE: 

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_









W-1

DATE: Nov 15/18 TIME: 8:05 am STAFF: P. Trafford

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** \_\_\_\_\_

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

IF NO: Waste Sent To: 152

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Nov 16/18 TIME: 8:05 AM STAFF: P. Trazzaro

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 71

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Nov 17/18 TIME: 8:55 AM STAFF: P. Trazzoco

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

GIBSON'S DUMPED CARPET / NO TAGS GIVEN.

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>3:20 PM</u>	<u>GIBSON</u>	<u>GARBAGE</u>	<u>20 BAGS</u>	<input checked="" type="radio"/> Yes / No

**TOTAL COUNT OF HOUSEHOLD USERS:** 215

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Nov 19/18 TIME: 8:05 AM STAFF: P. TRAPPANO

**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:	Yes / <u>No</u>	_____
Other:	Yes / <u>No</u>	_____

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>8:05 am</u>	<u>FLITENIA</u>	<u>GARBAGE</u>	<u>1 T/L</u>	<u>Yes</u>
<u>8:30</u>	<u>"</u>	<u>"</u>	<u>1 T/L</u>	<u>Yes</u>

**TOTAL COUNT OF HOUSEHOLD USERS:** 109

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Nov 20/18 TIME: 8:05 AM STAFF: P. TRARRO

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:50 AM	FURTCHEL	GARBAGE	1 T/C	<input checked="" type="radio"/>
10:30	"	"	1 T/C	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 81

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Nov 22/18 TIME: 8:05 am STAFF: P. TARRINO

**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:	Yes / <u>No</u>	
Other:	Yes / <u>No</u>	

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:15 AM	FLETCHER	Garbage	17 TL	<u>Yes</u>
11:00 AM	"	"	"	
12:15 PM	"	"	"	

**TOTAL COUNT OF HOUSEHOLD USERS:** 94

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_









DATE: Nov 24/18 TIME: 8:05 am STAFF: P. T. [Signature]

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
		<del>_____</del>
		<del>_____</del>
		<del>_____</del>

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>2:35 pm</u>	<u>GIBSONS</u>	<u>COMPOST</u>	<u>50 BAGS</u>	<input checked="" type="radio"/> Yes / No

**TOTAL COUNT OF HOUSEHOLD USERS:** 249

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Nov 26/18 TIME: 8:05 AM STAFF: P. Trappano

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>RAIN</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>7:45 AM</u>	<u>FLETCHER</u>	<u>COARBAGS</u>	<u>1 T/L</u>	<input checked="" type="radio"/> Yes / <input type="radio"/> No
<u>8:30 AM</u>	<u>"</u>	<u>"</u>	<u>"</u>	<input type="radio"/> Yes / <input type="radio"/> No
<u>9:00 AM</u>	<u>"</u>	<u>"</u>	<u>"</u>	<input type="radio"/> Yes / <input type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 103

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: 

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Nov 27/18 TIME: 8:05 AM STAFF: P. T. APPROVO

**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:	Yes / <u>No</u>	
Other:	Yes / <u>No</u>	

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

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**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

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**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:00	FURTERER	GARBAGE	1 T/L	<u>Yes</u>
12:00	"	"	1 T/L	<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: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:  
 Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Nov 29/18 TIME: 8:05 am STAFF: P. Tractano

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 AM	FLETCHER	GARBAGE	1 T/L	<input checked="" type="radio"/>
11:45 AM	"	"	1 T/L	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 129

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Nov 30/18 TIME: 8:05 AM STAFF: P. TRAPERO

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	<u>RAIN + MELTING SNOW</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<del>_____</del>				

**TOTAL COUNT OF HOUSEHOLD USERS:** 131

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Dec 11/18 TIME: 8:05 AM STAFF: P. TRAFFORD

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
11:30 am	GIBSON	COAR BAGS	40 BAGS	<input checked="" type="radio"/> Yes / <input type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 235

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





W-1

DATE: Dec 3/18 TIME: 8:05 AM STAFF: P. TRAFFORD

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>8:00 AM</u>	<u>FURCHER</u>	<u>GARBAGE</u>	<u>1 T/L</u>	<input checked="" type="radio"/>
<u>8:25</u>	<u>"</u>	<u>"</u>	<u>1 T/L</u>	<input checked="" type="radio"/>
<u>9:15</u>	<u>"</u>	<u>"</u>	<u>1 T/L</u>	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 94

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Dec 4, 18 TIME: 8:05 AM STAFF: P. TAPPARD

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:45 AM	FLITCHER	CANBAGS	1 T/L	<input checked="" type="radio"/>
11:10 AM	"	"	1 T/L	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 110

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





W-1

DATE: Dec 6/18 TIME: 8:05 am STAFF: P. TRAFLOAD

**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:	Yes / <u>No</u>	_____
Other:	Yes / <u>No</u>	_____

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10 <sup>10</sup> AM	FLETCHER	CARBON	1 TIL	<u>Yes</u> /No

**TOTAL COUNT OF HOUSEHOLD USERS:** 120

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: 

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Dec 7/18 TIME: 8<sup>05</sup> AM STAFF: P. TRAPERO

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 119

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

IF NO: Waste Sent To: 1

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Dec 8/18 TIME: 8:05 am STAFF: P. TRAPPAD

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
1:30 pm	CARRISONS	GARBAGE	20 BAGS	<input checked="" type="radio"/> Yes / <input type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 224

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

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:  
 Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Dec 10/18 TIME: 8:05 AM STAFF: P. TRAFFORD

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:00 am	FLITCHER	COALBAGS	1 T/L	<input checked="" type="radio"/>
8:30 am	"	"	1 T/L	<input checked="" type="radio"/>
9:15 AM	"	"	1 T/L	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 121

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Dec 11/18 TIME: 8:05 am STAFF: P. TRAFFORD

**DEFICIENCIES OBSERVED:**

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:**

\_\_\_\_\_  
\_\_\_\_\_

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

\_\_\_\_\_  
\_\_\_\_\_

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:30 am	FLETCHER	GARBAGE	1 T/L	<u>Yes</u>
12:45 pm	"	"	1 T/L	

**TOTAL COUNT OF HOUSEHOLD USERS:** 84

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





W-1

DATE: Dec 13 / 18 TIME: 8:05 AM STAFF: P. TRAFFORD

**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:	Yes / <u>No</u>	_____
Other:	Yes / <u>No</u>	_____

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:00 AM	FLETCHER	GARBAGE	1 TIL	<u>Yes</u> /No
11:30	"	"	1 TIL	

**TOTAL COUNT OF HOUSEHOLD USERS:** 102

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF LITTER CONTROL:** Yes/No

DETAILS: PICK UP AT EXIT GATE / 2 DITCHES ON KIDD RD S.

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

DETAILS: \_\_\_\_\_

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

DETAILS: \_\_\_\_\_

**COMPLAINTS RECEIVED:** Yes / No

If YES, Complaint File Number (s): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Dec 14/18 TIME: 8:30 am STAFF: P. Tappero

**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:	Yes / <u>No</u>	_____
Other:	Yes / <u>No</u>	_____

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**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: \_\_\_\_\_

**DESCRIPTION OF LITTER CONTROL:** Yes / No

DETAILS: K100 Rd South (DITCH)

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

DETAILS: \_\_\_\_\_

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

DETAILS: \_\_\_\_\_

**COMPLAINTS RECEIVED:** Yes / No

If YES, Complaint File Number (s): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Dec 15/18 TIME: 8:05 am STAFF: P. TARRARO

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		
<del>_____</del>		

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>2:15 pm</u>	<u>GIBSON</u>	<u>GARBAGE</u>	<u>20 BAGS</u>	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 225

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Dec 17/18 TIME: 8:05 am STAFF: P. Tarrone

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:05 am	FLITCHER	CORRUGATED	1 T/L	<input checked="" type="radio"/>
8:30 am	"	"	1 T/L	
9:15 am	"	"	1 T/L	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 128

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF LITTER CONTROL:**  Yes / No

DETAILS: FRONT & BACK GATES.

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

DETAILS: \_\_\_\_\_

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

DETAILS: \_\_\_\_\_

**COMPLAINTS RECEIVED:** Yes /  No

If YES, Complaint File Number (s): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Dec 18/18 TIME: 8:05 AM STAFF: P. Trappero

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 AM	FLETCHER	CONCRETE	1 T/L	<input checked="" type="radio"/>
10:45 AM	"	"	1 T/L	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 102

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF LITTER CONTROL:**  Yes / No

DETAILS: COVER ON MAIN HILL / FARGATE DITCH

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

DETAILS: \_\_\_\_\_

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

DETAILS: \_\_\_\_\_

**COMPLAINTS RECEIVED:** Yes /  No

If YES, Complaint File Number (s): \_\_\_\_\_

SIGNATURE: 

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: 8<sup>05</sup> am Dec 20/18 TIME: 8<sup>05</sup> am STAFF: P. Trappero

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:15 am	FLATCARR	GARBAGE	1 T/L	<input checked="" type="radio"/> Yes / <input type="radio"/> No
10:30	"	"	"	
11:30	"	"	"	

**TOTAL COUNT OF HOUSEHOLD USERS:** 160

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF LITTER CONTROL:**  Yes /  No

DETAILS: Back Gate / Kidd Road.

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

DETAILS: \_\_\_\_\_

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

DETAILS: \_\_\_\_\_

**COMPLAINTS RECEIVED:** Yes /  No

If YES, Complaint File Number (s): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Dec 21/18 TIME: 8:05 AM STAFF: P. Trarfo

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>RAIN</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**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: \_\_\_\_\_

**DESCRIPTION OF LITTER CONTROL:**  Yes /  No

DETAILS: Back Gate - Kidd Rd S

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

DETAILS: \_\_\_\_\_

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

DETAILS: \_\_\_\_\_

**COMPLAINTS RECEIVED:** Yes /  No

If YES, Complaint File Number (s): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Dec 22 / 18 TIME: 8:05 am STAFF: P. Thompson

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
1:30 pm	GIBSONS	CANBAGS	20 BAGS	<input checked="" type="radio"/> Yes / <input type="radio"/> No

**TOTAL COUNT OF HOUSEHOLD USERS:** 225

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Dec 24/18 TIME: 8:05 am STAFF: P. Trappo AD

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:05	FURTEKRE	COARBAGG	1 TLU	<input checked="" type="radio"/>
8:30			1 TLU	
9:15			1 TLU	
10:30			1 TLU	

**TOTAL COUNT OF HOUSEHOLD USERS:** 101

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: 

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Dec 27/18 TIME: 8:05 AM STAFF: P. TRACCOAN

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
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:**

\_\_\_\_\_  
\_\_\_\_\_

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

\_\_\_\_\_  
\_\_\_\_\_

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30	Fluence	COARBAGA	1 T/L	<input checked="" type="radio"/>
10:30	"	"	1 T/L	<input checked="" type="radio"/>
11:15	"	"	1 T/L	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 185

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

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE:





DATE: Dec 28/18 TIME: 8:05 AM STAFF: P. Tappero

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>Rain</u>
Windblown Litter:	<input checked="" type="radio"/> Yes / <input type="radio"/> No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
		<i>(Diagonal line through table)</i>

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**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: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: *(Signature)*

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Dec 29/18 TIME: 8:05 AM STAFF: P. Taffelord

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
2:15 pm	GIBSONS	GARBAGE	10 BAGS	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 212

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF LITTER CONTROL:**  Yes / No

DETAILS: PUSH BACK 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Dec 31/18 TIME: 8:05 AM STAFF: P. T. TAYLOR

**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:	Yes / <u>No</u>	_____
Other:	Yes / <u>No</u>	_____

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:05 AM	FLITCHER	GARBAGE	1 T/C	<u>Yes</u>
8:30	"	"	1 T/C	<u>Yes</u>
9:45	"	"	1 T/C	<u>Yes</u>
11:00	"	"	1 T/C	<u>Yes</u>

**TOTAL COUNT OF HOUSEHOLD USERS:** 88

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF LITTER CONTROL:** Yes / No

DETAILS: Top of Hill Area for Amf

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

DETAILS: Grass for Amf

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

DETAILS: \_\_\_\_\_

**COMPLAINTS RECEIVED:** Yes / No

If YES, Complaint File Number (s): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Jun 3<sup>rd</sup> / 19 TIME: 8:30 AM STAFF: Dustin Jackson

**DEFICIENCIES OBSERVED:**

Description / Location

- Ponded Water: Yes /  No
- Windblown Litter: Yes /  No
- Leachate Springs: Yes /  No
- Animals:  Yes /  No Birds
- Other: Yes /  No

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:00	Fletcher	household	truck load	Yes
9:45	Fletcher	household	truck load	Yes

**TOTAL COUNT OF HOUSEHOLD USERS:** 227

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: Dustin Jackson

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

W-1 **WASTE DISPOSAL SITE  
DAILY INSPECTION FORM**

DATE: Jan 4/15 TIME: 8:05 am STAFF: Paul T / Dustin

**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:**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

\_\_\_\_\_  
 \_\_\_\_\_

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 165

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Jan 5/19 TIME: 8:05 AM STAFF: PAUL T / DUSTIN J

**DEFICIENCIES OBSERVED:**

	Yes / No	Description / Location
Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
1:45 pm	GIBSONS	GARBAGE	15 BAGS	<input checked="" type="radio"/> Yes / No

**TOTAL COUNT OF HOUSEHOLD USERS:** 283

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

**DESCRIPTION OF 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): \_\_\_\_\_

**SIGNATURE:** \_\_\_\_\_

OFFICE USE:  
 Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





W-1

DATE: Jan 7/19 TIME: 8:05 AM STAFF: PAUL / Amy

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:00 AM	FURTERER	GARBAGE	1 T/L	<input checked="" type="radio"/> Yes / No
8:30 AM	"	"	1 T/L	
9:10	"	"		
9:30	"	"		

**TOTAL COUNT OF HOUSEHOLD USERS:** 121

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Jan 8/19 TIME: 8:55am STAFF: PAUL T / JOHN S

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30am	FLITCHER	GARBAGE	25 BAGS	<input checked="" type="radio"/>
10:45	"	"	40 "	<input checked="" type="radio"/>
11:30	"	"	40 "	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 84

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF LITTER CONTROL:**  Yes / No

DETAILS: \_\_\_\_\_

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

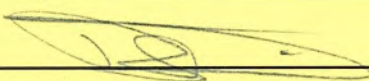
DETAILS: \_\_\_\_\_

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

DETAILS: \_\_\_\_\_

**COMPLAINTS RECEIVED:** Yes /  No

If YES, Complaint File Number (s): \_\_\_\_\_

SIGNATURE: 

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





W-1

DATE: JAN 10 / 19 TIME: 8:05 am STAFF: PAUL / Amy P.

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

12 x 16.5 FRONT TIRE SORT - BACKHOLE  
CAUSED BLACK DOG (FIXED 10:45 am)

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30	FURTER	GARBAGE	1 T/L	<input checked="" type="radio"/>
10:45	"	"	"	
12:45	"	"	"	
2:30	"	"	15 BAGS	

**TOTAL COUNT OF HOUSEHOLD USERS:** 97

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





W-1

DATE: 8:05 AM JAN 11/19 TIME: 8:05 AM STAFF: Paul T

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 86

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

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:  
Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





W-1

DATE: Jan 12/19 TIME: 8:05 AM STAFF: PAUL / JUSTIN

**DEFICIENCIES OBSERVED:**

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>	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>3:30 PM</u>	<u>GIBSON</u>	<u>GARBAGE</u>	<u>15 bags</u>	<u>Yes</u>

**TOTAL COUNT OF HOUSEHOLD USERS:** 221

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





W-1

DATE: JAN 14/19 TIME: 8:05 AM STAFF: PAUL / DUSTIN J

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:00 AM	FLETCHER	GARBAGE	1 T/L	<input checked="" type="radio"/>
8:30	"	"	"	
9:00	"	"	"	
10:45	"	"	"	

**TOTAL COUNT OF HOUSEHOLD USERS:** 93

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Jan 15/19 TIME: 8:00am STAFF: Paul T / Jordan S

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:45 AM	FLETCHER	GARBAGE	1 T/L	<input checked="" type="radio"/>
10:20	"	"	1 T/L	<input checked="" type="radio"/>
11:15	"	"	1 T/L	<input checked="" type="radio"/>

**TOTAL COUNT OF HOUSEHOLD USERS:** 97

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: [Signature]

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Jan 17/19 TIME: 8:00 AM STAFF: PAUL / DUSTIN

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:45 AM	FLETCHER	GARBAGE	1 T/C	<input checked="" type="radio"/>
10:15 AM	"	"	1 T/C	
11:30	"	"	"	

**TOTAL COUNT OF HOUSEHOLD USERS:** 112

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Jan 18/19 TIME: 8:00 AM STAFF: P. TARRANT / DOSTIN

**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:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION
<del> </del>		

**OTHER COMMENTS / OBSERVATIONS**

12 x 16.5 FRONT TIRES

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

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

**TOTAL COUNT OF HOUSEHOLD USERS:** 112

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: 

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_





DATE: Jan 19/19 TIME: 8:00 AM STAFF: Paul T / Amy P.

**DEFICIENCIES OBSERVED:**

Ponded Water:	Yes / <input checked="" type="radio"/> No	_____
Windblown Litter:	<input checked="" type="radio"/> Yes / No	_____
Leachate Springs:	Yes / <input checked="" type="radio"/> No	_____
Animals:	Yes / <input checked="" type="radio"/> No	_____
Other:	Yes / <input checked="" type="radio"/> No	_____

Description / Location

**RECOMMENDED ACTIONS / ACTIONS TAKEN:**

**REJECTED LOADS:**

TIME	HAULER NAME	REASON FOR REJECTION

**OTHER COMMENTS / OBSERVATIONS**

**WASTE DISPOSAL SITE DAILY INSPECTION FORM**

**COMMERCIAL HAULER OR LARGE LOADS**

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
2:30 pm	GIBSON	GARBAGE	15 BAGS	<input checked="" type="radio"/> Yes / No

**TOTAL COUNT OF HOUSEHOLD USERS:** 175

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

IF NO: Waste Sent To: \_\_\_\_\_

**DESCRIPTION OF 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): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

OFFICE USE:

Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_ File Number: \_\_\_\_\_

**Appendix E**  
**Malroz Inspections**



**Lansdowne Site Inspection**

Date: 18/11/27  
 Inspected by: A.D.  
 Weather Conditions: Snowy

Time:

Inspection Item	condition	notes
Signage is displayed per section 2 (2) and (3) of the ECA.	Good	
Was a site attendant present.	Yes	
Were any hazardous or liquid wastes observed being disposed of at the site.	none observed	
Are recycling materials being placed in the appropriate bins.	Yes	
Were vermin, vectors, dust or litter present.	A few birds but otherwise no	
Is litter present at the site. Has a schedule been set for removal if present.	Yes; unsure of removal	
Are brush and clean wood segregated from other wastes?	Yes	
Are wastes burned at the site.	Not during our visit	
Is interim cover being applied to the site?	Yes	some fresh some garbage was removed
Is the property locked outside of posted hours.	Yes	
Drainage conditions (e.g. ponded water).	some ponded water near brush pile	
Are surfacewater features obstructed.	no	
Are there seep present.	none observed	
What is the condition of the methane venting system.	Good	functioning
Was waste observed outside of the approved fill area.	no	
Condition of the waste cap (Erosion, repairs needed?)	no	
Were any unapproved wastes observed at the site.	no	
Are on-site structures in good condition.	Yes	

**General Comments**

Signature 

**Lansdowne Site Inspection**

Date: *May 23, 2018, May 24, 2018* Time: 16:40  
 Inspected by: *MW*  
 Weather Conditions: *Sunny*

Inspection Item	condition	notes
Signage is displayed per section 2 (2) and (3) of the ECA.	Good	
Was a site attendant present.	NO	not open first day Open Sec. clasp (attendant present)
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.	Yes	Seagulls Present on Pile. Some litter as below.
Is litter present at the site. Has a schedule been set for removal if present.	Yes	On the east & west side of pile, as well as near SW8 & 12.
Are brush and clean wood segregated from other wastes?	Yes	
Are wastes burned at the site.	NO	no observed signs
Is interim cover being applied to the site?	Yes	
Is the property locked outside of posted hours.	Yes	
Drainage conditions (e.g. ponded water).	Some Ponded water	Small puddles around base of pile, and water in ditch on east side of pile
Are surfacewater features obstructed.	NO	
Are there seep present.	NO	
What is the condition of the methane venting system.	Good	
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.	Good	

*MW 18/06/07*

**General Comments**

*Mallory Wright*  
 Signature



**Appendix F**  
**Waste Logs Summary**

**Summary of Waste Logs**

Day	Commercial Count (bags)	Residential (Households)	Day	Commercial Count (bags)	Residential (Households)
23-Apr-18	300	178	22-Jun-18	-	155
24-Apr-18	140	155	23-Jun-18	100	290
26-Apr-18	102	410	25-Jun-18	550	154
27-Apr-18	-	148	26-Jun-18	300	256
28-Apr-18	-	270	28-Jun-18	225	190
30-Apr-18	400	130	29-Jun-18	-	188
01-May-18	200	137	20-Jun-18	-	263
03-May-18	450	147	03-Jul-18	650	245
04-May-18	-	136	05-Jul-18	400	215
05-May-18	-	271	06-Jul-18	-	192
07-May-18	400	192	07-Jul-18	75	305
08-May-18	-	173	09-Jul-18	550	197
10-May-18	370	146	10-Jul-18	400	155
11-May-18	-	162	12-Jul-18	450	245
12-May-18	50	308	13-Jul-18	-	189
14-May-18	500	186	14-Jul-18	50	260
15-May-18	150	114	16-Jul-18	400	186
17-May-18	350	175	17-Jul-18	425	170
18-May-18	150	180	19-Jul-18	400	185
19-May-18	-	283	20-Jul-18	-	186
22-May-18	700	191	21-Jul-18	100	280
24-May-18	350	194	23-Jul-18	400	200
25-May-18	-	177	24-Jul-18	250	146
26-May-18	50	342	26-Jul-18	450	205
28-May-18	500	186	27-Jul-18	-	185
29-May-18	225	137	28-Jul-18	50	285
31-May-18	500	167	30-Jul-18	500	201
01-Jun-18	-	151	31-Jul-18	300	175
02-Jun-18	100	321	02-Aug-18	400	202
04-Jun-18	-	118	03-Aug-18	-	225
05-Jun-18	2 m <sup>3</sup>	164	04-Aug-18	-	303
07-Jun-18	-	172	07-Aug-18	750	265
08-Jun-18	-	142	09-Aug-18	400	225
09-Jun-18	-	306	10-Aug-18	-	215
11-Jun-18	-	152	11-Aug-18	100	274
12-Jun-18	-	129	13-Aug-18	400	192
14-Jun-18	double axel	196	14-Aug-18	350	170
15-Jun-18	-	173	16-Aug-18	300	210
16-Jun-18	-	282	17-Aug-18	-	157
18-Jun-18	500	176	18-Aug-18	50	295
19-Jun-18	450	161	20-Aug-18	600	178
21-Jun-18	350	173	21-Aug-18	350	155



**Summary of Waste Logs - Cont'd**

Day	Commercial Count (bags)	Residential (Households)	Day	Commercial Count	Residential (Households)
23-Aug-18	400	198	27-Oct-18	75	252
24-Aug-18	-	196	29-Oct-18	40 bags & 2 trailers	116
25-Aug-18	-	271	30-Oct-18	2 trailers	121
27-Aug-18	-	164	01-Nov-18	3 trailers	21
28-Aug-18	-	148	02-Nov-18	-	114
30-Aug-18	2 trailers	173	03-Nov-18	50	237
31-Aug-18	-	154	05-Nov-18	3 trailers	134
01-Sep-18	-	341	06-Nov-18	2 trailers	71
04-Sep-18	3 trailers	212	08-Nov-18	2 trailers	152
06-Sep-18	2 trailers	250	09-Nov-18	-	124
08-Sep-18	-	165	10-Nov-18	50	266
08-Sep-18	-	275	13-Nov-18	-	179
10-Sep-18	3 trailers	115	15-Nov-18	-	152
11-Sep-18	1 trailer	125	16-Nov-18	-	71
13-Sep-18	4 trailers	150	17-Nov-18	20	215
14-Sep-18	70	161	19-Nov-18	2 trailers	109
15-Sep-18	70	260	20-Nov-18	2 trailers	81
17-Sep-18	2 trailers	158	22-Nov-18	3 trailers	94
18-Sep-18	3 trailers	135	23-Nov-18	-	108
20-Sep-18	4 trailers	172	24-Nov-18	50	249
21-Sep-18	-	133	26-Nov-18	3 trailers	103
22-Sep-18	75	242	27-Nov-18	2 trailers	85
24-Sep-18	2 trailers	151	29-Nov-18	2 trailers	129
25-Sep-18	2 trailers	81	30-Nov-18	-	131
27-Sep-18	2 trailers	175	01-Dec-18	40	235
28-Sep-18	-	151	03-Dec-18	3 trailers	94
29-Sep-19	80	235	04-Dec-18	2 trailers	110
01-Oct-18	-	136	06-Dec-18	1 trailer	120
02-Oct-18	2 trailers	93	07-Dec-18	-	119
04-Oct-18	2 trailers	173	08-Dec-18	20	224
05-Oct-18	-	196	10-Dec-18	3 trailers	121
06-Oct-18	-	264	11-Dec-18	2 trailers	84
09-Oct-18	3 trailers	182	13-Dec-18	2 trailers	102
11-Oct-18	2 trailers	161	14-Dec-18	-	130
12-Oct-18	-	163	15-Dec-18	20	225
13-Oct-18	-	253	17-Dec-18	3 trailers	128
15-Oct-18	2 trailers	98	18-Dec-18	2 trailers	102
16-Oct-18	2 trailers	141	20-Dec-18	3 trailers	160
18-Oct-18	2 trailers	161	21-Dec-18	-	126
19-Oct-18	-	149	22-Dec-18	20	225
20-Oct-18	50	251	24-Dec-18	4 trailers	101
22-Oct-18	3 trailers	141	27-Dec-18	3 trailers	185
23-Oct-18	2 trailers	131	28-Dec-18	-	145
25-Oct-18	2 trailers	141	29-Dec-18	10	212
26-Oct-18	-	157	31-Dec-18	4 trailers	88

**Appendix G**  
**Tables**



**Table 1  
 Well Inspection**

Well ID	Well Type	Well Construction	Well Integrity			Well Observations
	Protective Casing	Material	Locked	Capped	Condition <sup>1</sup>	Remarks
11-1	Steel A/G	2" Sched. 40 PVC	Y	J-Plug	Good	
11-2	Steel A/G	2" Sched. 40 PVC	Y	Slip cap	Fair	casing lid hinge broken
11-3	Steel A/G	2" Sched. 40 PVC	Y	J-Plug	Good	
11-4	Steel A/G	2" Sched. 40 PVC	Y	Slip Cap	Good	
11-6	Steel A/G	2" Sched. 40 PVC	Y	Slip Cap	Good	
11-7	Steel A/G	2" Sched. 40 PVC	Y	Slip Cap	Good	
15-1	Steel A/G	2" Sched. 40 PVC	Y	J-Plug	Good	
15-2	Steel A/G	2" Sched. 40 PVC	Y	J-Plug	Good	
91-1	Steel A/G	1.5 " Sched. 40 PVC	Y	Slip Cap	Fair	casing heaved
91-3	Steel A/G	1.5 " Sched. 40 PVC	Y	J-Plug	Fair	casing heaved
91-4	Steel A/G	1.5 " Sched. 40 PVC	Y	J-Plug	Fair	casing heaved
<b>Malroz Wells</b>						
MW101	Steel A/G	2" Sched. 40 PVC	Y	J-Plug	Good	
MW102	Steel A/G	2" Sched. 40 PVC	Y	J-Plug	Good	
MW103	Steel A/G	2" Sched. 40 PVC	Y	J-Plug	Good	
MW104	Alum F/G	1.5 " Sched. 40 PVC	Y	J-Plug	Good	
MW105	Steel A/G	2" Sched. 40 PVC	Y	J-Plug	Good	
MW106	Steel A/G	2" Sched. 40 PVC	Y	J-Plug	Good	
MW107	Steel A/G	1.25" Sched. 40 PVC	Y	J-Plug	Good	

**Notes:** Well inspection completed on May 24, 2018

Data Input: RF

1. Well conditions ranked as:

Data Check: MW

- good (no maintenance required)
- fair (minor maintenance required)
- poor (requires maintenance or abandonment)

**Table 2  
 Groundwater Monitoring Well Descriptions**

Well	Elevation		Methan Concentrations (% LEL)		UTMs (NAD 83, Zone 18)		Notes
	TOP	Grade	May-18	Nov-18	Northing (m)	Easting (m)	
91-1	98.698	97.965	nr	nr	416268	4916714	located southwest of the waste fill area within an agricultural field owned by the Township.
91-3	97.583	96.805	nr	nr	416427	4916565	located south of the waste is located south of the waste fill area along the unopened portion of the Kidd Road South road allowance.
91-4	98.421	97.418	nr	130	416341	4916670	located southwest and nearly adjacent to the waste fill area along the unopened portion of the Kidd Road South Road allowance.
11-1	97.776	96.944	nr	nr	416382	4917187	located at the northern property boundary, north of the transfer station area, and south of both Eden Grove Road and the ditch along the southern side of Eden Grove Road. 11-1 is sited in order to be a replacement for historical monitoring well 89-6.
11-2	99.267	98.194	nr	nr	416424	4917003	located in the east landfill, not located in 2017
11-3	98.129	97.324	nr	nr	416343	4917061	located north of the waste fill area within the buffer zone between Kidd Road and the on-site access road. 11-3 is intended to replace 89-4.
11-4	98.542	97.674	nr	nr	416185	4916944	located west of the waste fill area at the western property boundary and represents the background groundwater water quality for the Site.
11-6	97.946	97.113	nr	nr	416614	4916892	located east of the Site along the eastern boundary of the agricultural field and was advanced to delineate leachate impacts to the east of the Site.
11-7	96.572	95.617	nr	nr	416614	4916892	located east of the Site along the southern boundary of the agricultural field and was advanced to delineate leachate impacts to the east of the Site.”
MW101	101.723	100.771	>100%	7%	416445	4916885	located along the east side of the landfill within the waste mound
MW102	98.342	97.491	nr	nr	416173	4917048	bedrock well, located at the northwest corner of the CAZ to the west of the landfill.
MW103	98.391	97.554	nr	nr	416173	4917048	located at the northwest corner of the CAZ to the west of the landfill.
MW104	96.95	97.085	nr	nr	416367	4917233	bedrock well, located north of the landfill across Eden Grove Road.
MW105	98.065	97.241	nr	nr	416367	4917233	located north of the landfill across Eden Grove Road.
MW106	96.812	95.931	nr	nr	416733	4916980	located at the eastern extent of the eastern CAZ.
MW107	98.276	97.446	nr	nr	416478	4916964	bedrock well located east of the landfill. Installed in February 2018.

Notes:

UTM coordinates reference NAD 83 datum, Zone 18

nm denotes note measured (installed in February 2018)

- data not available / well not measured / well not located

nr denotes no response

monitoring wells 91-2 and 11-5 are inferred to be destroyed and are not included in this table.

Data Input: RF

Data Check: AP



**Table 3  
 Groundwater Monitoring Results**

Location	Elevation Top of Casing (m ASL)	Elevation Ground (m ASL)	Apr-12		Oct-12		Jul-13		Oct-13		Jun-14		Oct-14		May-15		Nov-15		Aug-17		Nov-17		May-18		Nov-18		
			Static Water Level (mbtoc)	Water Elevation (m ASL)	Static Water Level (mbtoc)	Water Elevation (m ASL)	Static Water Level (mbtoc)	Water Elevation (m ASL)	Static Water Level (mbtoc)	Water Elevation (m ASL)	Static Water Level (mbtoc)	Water Elevation (m ASL)	Static Water Level (mbtoc)	Water Elevation (m ASL)	Static Water Level (mbtoc)	Water Elevation (m ASL)	Static Water Level (mbtoc)	Water Elevation (m ASL)	Static Water Level (mbtoc)	Water Elevation (m ASL)	Static Water Level (mbtoc)	Water Elevation (m ASL)	Static Water Level (mbtoc)	Water Elevation (m ASL)	Static Water Level (mbtoc)	Water Elevation (m ASL)	
<b>Overburden Groundwater Monitors</b>																											
91-1	98.698	97.965	1.27	97.43	2.57	96.13	2.14	96.56	1.66	97.04	1.63	97.07	1.26	97.44	1.77	96.93	1.42	97.28	1.71	96.99	1.37	97.33	1.61	97.09	1.47	97.23	
91-2	97.142	96.261	1.12	96.02	blocked			1.86	95.28	1.06	96.08	1.12	96.02	1.15	95.99	damaged (could not located)											
91-3	97.583	96.805	0.95	96.64	1.24	96.34	1.60	95.98	1.12	96.46	1.26	96.32	1.14	96.44	1.76	95.82	1.52	96.06	1.49	96.09	1.36	96.22	1.33	96.25	1.71	95.87	
91-4	98.421	97.418	1.29	97.13	2.30	96.12	1.78	96.64	1.28	97.14	1.21	97.21	1.24	97.18	1.23	97.19	1.56	96.86	1.30	97.12	1.54	96.88	1.20	97.22	1.61	96.81	
03-2	97.304	96.064	0.94	96.36	1.39	95.91	1.56	95.74	0.98	96.32	1.00	96.30	1.09	96.21	1.15	96.15	replaced										
11-1	97.776	96.944	0.84	96.94	1.10	96.68	1.48	96.30	0.91	96.87	1.17	96.61	0.91	96.87	1.09	96.69	1.02	96.76	1.45	96.33	0.86	96.92	1.04	96.74	0.87	96.91	
11-2	99.267	98.194	1.43	97.84	1.53	97.74	1.49	97.78	1.28	97.99	0.87	98.40	1.01	98.26	not located												
11-3	98.129	97.324	0.96	97.17	1.40	96.73	1.56	96.57	1.20	96.93	1.38	96.75	1.00	97.13	1.18	96.95	1.10	97.03	1.2	96.93	0.86	97.27	1.11	97.02	0.97	97.16	
11-4	98.542	97.674	1.15	97.39	1.92	96.62	1.78	96.76	1.28	97.26	1.16	97.38	1.04	97.50	1.51	97.03	1.22	97.32	1.53	97.01	1.11	97.43	1.95	96.59	1.07	97.47	
11-5	97.534	97.016	0.96	96.57	1.30	96.23	1.71	95.82	1.18	96.35	1.38	96.15	1.24	96.29	1.36	96.17	damaged (could not locate)										
11-6	97.946	97.113	0.86	97.09	1.25	96.70	1.84	96.11	1.20	96.75	1.40	96.55	1.36	96.59	1.20	96.75	1.55	96.40	1.55	96.40	1.03	96.92	1.20	96.75	1.09	96.86	
11-7	96.572	95.617	1.45	95.12	2.00	94.57	1.52	95.05	1.07	95.50	1.12	95.45	0.98	95.59	1.03	95.54	1.12	95.45	1.16	95.41	1.00	95.57	1.07	95.50	0.90	95.67	
15-1	97.4027	96.461															1.34	96.06	1.30	96.10	0.95	96.45	1.14	96.26	1.28	96.12	
15-2	96.975	96.116															0.82	96.16	0.85	96.13	0.60	96.38	0.68	96.30	0.85	96.13	
MW101	101.723	100.771																									
MW103	98.391	97.554																									
MW105	98.065	97.241																									
MW106	96.812	95.931																									
<b>Bedrock Groundwater Monitors</b>																											
MW102	98.342	97.491																									
MW104	96.950	97.085																									
MW107	98.276	97.446																									
																							installed in February 2018				

Elevations obtained from August 2013, November 2015, and May 2018 surveys.  
 m ASL - meters above geodetic average sea-level  
 mbtoc - meters below top of PVC casing on monitoring well  
 Data prior to August 2017 summarized and provided by TLTI

Data Input: ZL  
 Data Checked: JMP







**Table 5 (Cont'd)**  
**Groundwater Analyses**

Parameter	Units	Well ID Sample ID	Background 95%	Background Average	November Sampling																					ODWS	Drinking Water Guidelines and Objectives	Overburden RUL <sup>2</sup>	Bedrock RUL <sup>3</sup>
					Overburden Wells														Bedrock Wells										
					91-1	91-3	91-4	11-1	11-2	11-2 (LF)	11-3	11-4	11-4 (LF)	11-6	11-7	15-1	15-2	MW101	MW103	MW105	MW106	MW102	MW104	MW107					
					18-W055	18-W036	18-W033	18-W051	18-W053	18-W056	18-W048	18-W040	18-W046	18-W060	18-W052	18-W049	18-W031	-	18-W039	18-W045	18-W050	18-W038	18-W059	18-W058					
RL	18-Nov-27	18-Nov-26	18-Nov-26	18-Nov-27	18-Nov-27	18-Nov-27	18-Nov-27	18-Nov-26	18-Nov-27	18-Nov-27	18-Nov-27	18-Nov-26	18-Nov-27	18-Nov-26	18-Nov-26	18-Nov-27	18-Nov-27	18-Nov-26	18-Nov-26	18-Nov-27									
Alkalinity as CaCO <sub>3</sub>	mg/L	5	428.6	362.2	249	247	772	643	401	347	461	113	82	168	380	615	346	393	356	460	380	378	759	30-500 <sup>OG</sup>	411	461			
Ammonia-N	mg/L	0.01	0.16	0.06	0.05	0.07	7.77	0.17	0.20	0.15	0.08	0.04	0.05	0.04	0.89	0.29	0.18	0.05	0.07	0.45	0.07	0.05	0.06						
Biochemical Oxygen Demand	mg/L	3	3	2	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	8						
Chemical Oxygen Demand	mg/L	5	123	63	64	7	132	91	102	62	104	31	47	109	109	116	36	44	93	138	11	44	141						
Dissolved Organic Carbon	mg/L	2	14.2	3.9	5.0	2.3	19.5	4.7	23.7	24.0	3.6	13.3	15.6	8.1	18.9	10.5	7.8	6.4	2.5	8.5	4.9	2.5	15.0	5 <sup>AO</sup>	4.23	5			
Conductivity	µmho/cm	5	836	478	689	555	1530	2260	1620	1580	1580	481	398	716	879	1300	669	1460	1250	1080	1430	1180	2920						
Hardness as CaCO <sub>3</sub>	mg/L	1	351	349	334	276	753	918	797	732	732	211	172	260	448	676	319	472	565	524	606	560	1190	80-100 <sup>OG</sup>	100	100			
pH	pH Units	0.1	8.14	7.97	7.97	8.07	7.53	7.47	7.53	7.31	7.80	8.00	7.81	7.84	7.94	7.79	8.20	7.84	7.99	8.03	7.86	7.97	7.91	6.5-8.5 <sup>OG</sup>					
Phenols	mg/L	0.002	0.002	0.001	<	<	0.013	0.009	<	<	0.003	<	<	<	<	<	<	0.004	0.005	0.003	<	0.004	<						
Total Phosphorus	mg/L	0.01	1.16	0.46	5.64	0.23	2.85	11.2	0.30	0.06	7.46	0.43	0.21	5.31	0.91	6.31	0.54	0.92	4.25	11.3	0.43	3.77	3.14						
Total Dissolved Solids	mg/L	3	465	397	358	288	835	1251	886	863	863	249	205	372	465	704	347	795	676	579	778	636	1628	500 <sup>AO</sup>	449.5	500			
Total Suspended Solids	mg/L	3	10470	3472	13500	1750	9400	111000	140	7	19000	440	14	11000	700	39000	12600	28000	10000	103000	4500	208000	1750						
Total Kjeldahl Nitrogen-N	mg/L	0.1	1.9	0.6	0.8	0.3	11.5	1.4	2.8	2.3	0.9	1.7	2.0	1.5	2.0	1.3	0.4	0.8	0.6	2.1	0.6	0.3	1.3						
Chloride	mg/L	0.5	26.3	9.3	3.2	5.8	19.3	333	43.5	38.4	195	4.1	3.1	41.3	35.4	47.1	3.0	174	163	66.9	198	159	166	250 <sup>AO</sup>	127	206			
Nitrate-N	mg/L	0.05	22.4	3.7	22.3	<	<	<	10.8	13.3	0.12	26.6	23.5	1.8	<	<	<	0.33	0.06	<	0.05	<	<	10	2.95	3.03			
Nitrite-N	mg/L	0.05	0.1	0.07	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	1.0	0.29	0.27			
Sulphate	mg/L	1	36.5	23	9.0	33	42	47	400	399	85	10	9.0	118	29	25	2	90	44	13	58	35	722	500 <sup>AO</sup>	258	279			
Mercury	mg/L	0.00002	0.001	0.00023	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	0.001	0.00031	0.00026			
Aluminum	mg/L	0.01	0.182	0.05	0.04	0.03	0.07	0.08	0.10	0.09	0.07	0.02	0.03	0.04	0.06	0.07	0.02	0.05	0.04	0.04	0.06	0.05	0.10	0.1 <sup>OG</sup>	0.06	0.08			
Arsenic	mg/L	0.0001	0.001	0.0006	<	0.0002	0.0106	0.0066	0.0005	0.0005	0.0001	0.0003	0.0003	0.0002	0.0006	0.0011	0.0001	0.0006	0.0001	0.0003	0.0002	0.0001	0.0031	0.01 <sup>A</sup>	0.0029	0.0027			
Barium	mg/L	0.001	0.1174	0.084	0.111	0.294	0.606	0.594	0.201	0.191	0.193	0.036	0.033	0.045	0.437	0.566	0.893	0.140	0.315	0.787	0.859	0.434	0.089	1.0	0.3	0.89			
Boron	mg/L	0.005	0.0202	0.012	<	0.107	0.713	0.038	0.792	0.725	0.101	<	<	0.213	0.054	0.325	0.201	0.079	0.050	0.298	0.048	0.056	1.97	5.0	1.3	1.3			
Cadmium	mg/L	0.000015	0.0028	0.000667	0.000127	<	<	<	0.000114	0.000065	<	<	<	<	<	<	<	<	<	<	<	<	<	0.005	0.0013	0.0013			
Calcium	mg/L	0.02	97.5	76.0	77.7	64.5	185	193	242	229	158	48.6	40.5	64.6	96.2	139	47.0	116	106	88.6	153	103	246	0.05	0.013	0.013			
Chromium	mg/L	0.001	0.002	0.001	<	<	<	<	<	<	<	<	<	0.003	<	<	<	<	<	<	<	<	<	0.010	0.0026	0.0025			
Cobalt	mg/L	0.0001	0.0005	0.0001	0.0012	0.0002	0.0082	0.0031	0.0009	0.0008	0.0013	0.0003	0.0003	0.0002	0.0002	0.0013	<	0.0004	0.0002	0.0001	0.0006	0.0005	0.0053						
Copper	mg/L	0.0001	0.0038	0.0017	0.0015	0.0001	0.0004	0.0006	0.0059	0.0056	0.0010	0.0036	0.0041	0.0024	0.0003	0.0005	0.0002	0.0034	0.0004	0.0002	0.0011	0.0002	0.0022	1 <sup>AO</sup>	0.5	0.5			
Iron	mg/L	0.005	0.119	0.066	<	0.537	16.5	6.58	0.020	0.012	<	0.016	0.027	0.007	2.05	3.34	0.573	<	<	0.616	0.558	0.354	0.028	0.010	0.175	0.3			
Lead	mg/L	0.00002	0.0005	0.00022	<	0.00003	0.00003	0.00003	0.00010	0.00009	<	0.00004	0.00004	<	0.00003	0.00007	<	0.00003	<	0.00002	<	<	0.00005	0.010	0.0026	0.0025			
Magnesium	mg/L	0.02	51.17	38.18	34.1	27.9	70.8	106	46.6	38.8	81.9	21.7	17.2	24.0	50.4	79.9	49.0	44.3	73.0	73.6	54.5	73.5	139						
Manganese	mg/L	0.001	0.074	0.027	0.001	0.073	0.097	1.01	1.20	0.604	0.135	<	<	0.003	0.145	0.163	0.021	0.102	0.001	0.038	0.481	0.130	0.786	0.05 <sup>AO</sup>	0.031	0.05			
Potassium	mg/L	0.1	1.9	1.3	1.1	1.7	20.8	2.4	15.1	16.6	2.9	0.8	1.2	0.7	3.1	3.3	3.2	3.8	2.2	3.4	10.9	3.2	17.2						
Silver	mg/L	0.0001	0.0001	0.0001	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<						
Sodium	mg/L	0.2	41.6	24.6	11.1	14.4	52.9	127	72.0	62.5	44.2	9.5	7.2	45.9	17.5	42.1	32.5	146	42.7	46.5	58.8	34.1	303	200 <sup>AO</sup>	110	120			
Strontium	mg/L	0.001	0.376	0.364	0.342	0.699	1.10	1.10	1.96	1.95	0.682	0.242	0.181	0.167	0.846	1.43	1.39	0.759	0.855	2.01	0.969	1.00	2.58						
Uranium	mg/L	0.00005	0.001596	0.00143	0.00134	0.00013	0.00041	0.00227	0.00170	0.00142	0.00350	0.00056	0.00029	0.00043	0.00010	0.00121	<	0.00670	0.00368	<	0.00308	0.00270	0.0272	0.02	0.00595	0.00731			
Vanadium	mg/L	0.005	0.005	0.004	<	<	0.008	0.008	<	<	<	<	<	<	0.005	0.006	<	<	<	0.007	<	<	0.009						
Zinc	mg/L	0.005	<	<	<	<	0.006	<	0.017	<	<	<	<	<	<	<	<	<	<	<	<	<	<						
pH(field)	pH Units	-	7.5	7.5	8.00	9.21	8.37	7.11	9.41	7.80	7.39	9.18	8.95	7.75	7.67	7.45	8.73	8.36	8.82	7.63	8.55	7.95	-	6.5-8.5 <sup>OG</sup>					
Temperature (field)	° Celsius	-	11.85	11.85	8.11	8.20	7.75	7.96	2.55	7.77	7.39	6.37	3.19	6.98	7.39	9.03	10.19	7.87	6.24	7.94	8.18	8.43	-	15 <sup>AO</sup>					
Dissolved Oxygen (field)	mg/L	-	9.38	9.38	8.92	35.60	4.97	7.77	24.19	0.00	5.84	5.77	1.52	7.99	8.10	6.07	3.95	6.44	41.88	5.19	19.93	0.00	-						
Conductivity (field)	mS/cm	-	0.792	0.792	0.910	0.595	1.51	3.94	0.141	1.58	4.61	0.534	0.415	1.32	1.62	5.87	0.662	1.45	1.27	2.87	1.46	1.27	-						
Unionized Ammonia (Calculated) <sup>1</sup>	mg/L	0.01	<	<	<	0.01	0.27	<	0.04	<	<	0.01	<	<	0.01	<	0.02	<	0.01	<	<	<	-						

**Notes:**

- "-" denotes not analyzed
- "RL" denotes reporting limit
- "<" denotes results below reporting limit
- "<#>" denotes elevated reporting limit
- "MW###" and "#-#" denote groundwater monitoring well



**Table 6**  
**Groundwater VOC Analyses**

		May Sampling																				MOECC Ontario Drinking Water Standards		
		Overburden Wells															Bedrock Wells							
Parameter	Units	Well ID Sample ID RL	91-1 18-W015 18-May-24	91-3 18-W010 18-May-23	91-4 18-W016 18-May-24	11-1 (LF) 18-W007 18-May-23	11-2 18-W006 18-May-23	11-2 (LF) 18-W005 18-May-23	11-3 18-W011 18-May-23	11-4 18-W023 18-May-24	11-4 (LF) 18-W022 18-May-24	11-6 18-W002 18-May-23	11-7 18-W001 18-May-23	15-1 (LF) 18-W017 18-May-24	15-2 18-W008 18-May-23	MW101 - 18-May-24	MW103 18-W021 18-May-24	MW105 18-W018 18-May-24	MW106 (LF) 18-W003 18-May-23	MW107 18-W004 18-May-23	MW102 18-W020 18-May-24		MW104 18-W019 18-May-24	
Acetone	µg/L	2	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Benzene	µg/L	0.5	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Bromobenzene	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Bromodichloromethane	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Bromoform	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Bromomethane	µg/L	0.3	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Carbon Tetrachloride	µg/L	0.2	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	2
Chloroethane	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Chloroform	µg/L	0.3	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	4.6	<	1
Chloromethane	µg/L	0.3	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
2-Chlorotoluene	µg/L	0.2	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
4-Chlorotoluene	µg/L	0.2	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
1,2-Dibromo-3-Chloropropane	µg/L	1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Dibromochloromethane	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Ethylene Dibromide (1,2-Dibromoethane)	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Dibromomethane	µg/L	1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
1,2-Dichlorobenzene	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	200
1,3-Dichlorobenzene	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
1,4-Dichlorobenzene	µg/L	0.2	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	5
Dichlorodifluoromethane	µg/L	1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
1,1-Dichloroethane	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	5
1,2-Dichloroethane	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
cis-1,2-Dichloroethylene	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
trans-1,2-Dichloroethylene	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Methylene Chloride	µg/L	0.3	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	50
1,2-Dichloropropane	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
1,3-Dichloropropane	µg/L	0.2	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
2,2-Dichloropropane	µg/L	0.2	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
1,3-Dichloropropene, total	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
cis-1,3-Dichloropropylene	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
trans-1,3-Dichloropropylene	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
1,1-Dichloropropene	µg/L	0.2	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Ethylbenzene	µg/L	0.5	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	140
Hexachlorobutadiene	µg/L	1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Hexane	µg/L	1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Isopropylbenzene	µg/L	0.2	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
4-Isopropyltoluene	µg/L	0.4	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Methyl Butyl Ketone	µg/L	10	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Methyl Ethyl Ketone	µg/L	1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Methyl Isobutyl Ketone	µg/L	1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Methyl tert-butyl ether	µg/L	1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Chlorobenzene	µg/L	0.2	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	80
Naphthalene	µg/L	0.7	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
n-Butylbenzene	µg/L	0.7	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
n-Propylbenzene	µg/L	0.4	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
sec-Butylbenzene	µg/L	0.5	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Styrene	µg/L	0.5	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
tert-Butylbenzene	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
1,1,1,2-Tetrachloroethane	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
1,1,2,2-Tetrachloroethane	µg/L	0.4	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	10
Tetrachloroethylene	µg/L	0.2	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	60
Toluene	µg/L	0.5	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
1,2,3-Trichlorobenzene	µg/L	0.2	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
1,2,4-Trichlorobenzene	µg/L	0.2	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
1,1,1-Trichloroethane	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
1,1,2-Trichloroethane	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Trichloroethylene	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	5
Trichlorofluoromethane	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
1,2,3-Trichloropropane	µg/L	0.2	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
1,2,4-Trimethylbenzene	µg/L	2	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
1,3,5-Trimethylbenzene	µg/L	0.6	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Vinyl Chloride	µg/L	0.2	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
mp - Xylene	µg/L	0.4	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1
Xylenes (total)	µg/L	0.4	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	90
o-Xylene	µg/L	0.1	<	<	<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	1

Data Input: RF  
Data Check: ZL





**Table 7  
Drinking Water Well Analyses**

Parameter	Units	Well ID	572 Eden Grove Road		MOECC Ontario Drinking Water Standards	MOE Typical Leachate Characteristics
		Sample ID	18-May-24	18-Nov-26		
Alkalinity as CaCO3	mg/L	5		387	30-500 <sup>OG</sup>	300 - 2000
Ammonia-N	mg/L	0.01		0.12		5 - 100
Biochemical Oxygen Demand	mg/L	3		<		50 - 4000
Chemical Oxygen Demand	mg/L	5		9		150 - 6000
Dissolved Organic Carbon	mg/L	0.2		2.5	5 <sup>AO</sup>	4 - 500
Conductivity	µmho/cm	1		1610		
Hardness as CaCO3	mg/L	1		604	80-100 <sup>OG</sup>	400 - 2000
pH	pH Units	-		7.91	6.5-8.5 <sup>OG</sup>	6 - 7
Phenols	mg/L	0.002		<		
Total Phosphorus	mg/L	0.01		0.01		
Total Dissolved Solids	mg/L	3		880	500 <sup>AO</sup>	
Total Suspended Solids	mg/L	3		4		
Total Kjeldahl Nitrogen-N	mg/L	0.1		0.5		1 - 100
Chloride	mg/L	0.5		257	250 <sup>AO</sup>	20 - 2500
Nitrate-N	mg/L	0.05		0.87	10	<1 - 0.5
Nitrite-N	mg/L	0.05		<	1.0	<1
Sulphate	mg/L	1		45	500 <sup>AO</sup>	<1 - 300
Mercury	mg/L	0.00002		<	0.001	
Aluminum	mg/L	0.01		0.05	0.1 <sup>OG</sup>	< 0.01 - 2
Arsenic	mg/L	0.0001		<	0.010 <sup>^</sup>	0.01 - 0.04
Barium	mg/L	0.001		0.518	1.0	0.1 - 2
Boron	mg/L	0.005		0.113	5.0	0.5 - 10
Cadmium	mg/L	0.000015		<	0.005	< 0.01
Calcium	mg/L	0.02		128		100 - 1000
Chromium	mg/L	0.001		<	0.05	< 0.01 - 0.5
Cobalt	mg/L	0.0001		0.0007		0.08 - 0.1
Copper	mg/L	0.0001		0.0151	1 <sup>AO</sup>	< 0.008 - 1
Iron	mg/L	0.005		0.006	0.3 <sup>AO</sup>	
Lead	mg/L	0.00002		0.00023	0.010	
Magnesium	mg/L	0.02		69.1		
Manganese	mg/L	0.001		0.357	0.05 <sup>AO</sup>	
Potassium	mg/L	0.1		5.4		
Silver	mg/L	0.0001		<		
Sodium	mg/L	0.2		104	200 <sup>AO</sup>	
Strontium	mg/L	0.001		2.23		
Uranium	mg/L	0.0005		0.00239	0.02	
Vanadium	mg/L	0.005		<		
Zinc	mg/L	0.005		0.008	5 <sup>AO</sup>	
pH(field)	pH Units	-		8.25	6.5-8.5 <sup>OG</sup>	6 - 7
Temperature (field)	° Celcius	-		7.23	15 <sup>AO</sup>	
Dissolved Oxygen (field)	mg/L	-		0.67		
Conductivity (field)	mS/cm	-		1.59		
Unionized Ammonia (Calculated) <sup>1</sup>	mg/L	0.01		<		

Data Input: RF  
Data Check: MW

**Notes:**

"-" denotes not analyzed

"RL" denotes reporting limit

"<" denotes results below reporting limit

<sup>^</sup> effective January 1, 2018 standard for Arsenic is 0.01 mg/L, prior to January 1, 2018 standard is 0.025 mg/L

<sup>1</sup> Unionized Ammonia calculated using field parameters for pH and temperature

AO denotes aesthetic objective    OG denotes operational objective

denotes concentration exceeds the ODWS

**Table 7 (Cont'd)  
 Drinking Water Well Analyses**

Parameter	Units	Well ID	572 Eden Grove Road		MOECC Ontario Drinking Water Standards
		Sample ID	18-May-24	18-Nov-26	
Acetone	µg/L	30		<	
Benzene	µg/L	0.5		<	1
Bromobenzene	µg/L	0.1		<	
Bromochloromethane	µg/L	0.2		<	
Bromodichloromethane	µg/L	2		<	
Bromoform	µg/L	5		<	
Bromomethane	µg/L	0.5		<	
Carbon Tetrachloride	µg/L	0.2		<	2
Chloroethane	µg/L	0.08		<	
Chloroform	µg/L	1		<	
Chloromethane	µg/L	0.06		<	
2-Chlorotoluene	µg/L	0.06		<	
4-Chlorotoluene	µg/L	0.08		<	
1,2-Dibromo-3-Chloropropane	µg/L	0.07		<	
Dibromochloromethane	µg/L	2		<	
Ethylene Dibromide (1,2-Dibromoethane)	µg/L	0.2		<	
Dibromomethane	µg/L	0.06		<	
1,2-Dichlorobenzene	µg/L	0.5		<	200
1,3-Dichlorobenzene	µg/L	0.5		<	
1,4-Dichlorobenzene	µg/L	0.5		<	5
Dichlorodifluoromethane	µg/L	2		<	
1,1-Dichloroethane	µg/L	0.5		<	5
1,2-Dichloroethane	µg/L	0.5		<	
cis-1,2-Dichloroethylene	µg/L	0.5		<	
trans-1,2-Dichloroethylene	µg/L	0.5		<	
1,1-Dichloroethylene	µg/L	0.5		<	14
Methylene Chloride	µg/L	5		<	50
1,2-Dichloropropane	µg/L	0.5		<	
1,3-Dichloropropane	µg/L	0.1		<	
2,2-Dichloropropane	µg/L	0.1		<	
1,3-Dichloropropene, total	µg/L	0.5		<	
cis-1,3-Dichloropropylene	µg/L	0.5		<	
trans-1,3-Dichloropropylene	µg/L	0.5		<	
1,1-Dichloropropene	µg/L	0.1		<	
1,4-Dioxane	µg/L	20		<	
Ethylbenzene	µg/L	0.5		<	140
Hexachlorobutadiene	µg/L	0.06		<	
Hexane	µg/L	5		<	
Isopropylbenzene	µg/L	0.04		<	
4-Isopropyltoluene	µg/L	0.05		<	
Methyl Butyl Ketone	µg/L	10		<	
Methyl Ethyl Ketone	µg/L	20		<	
Methyl Isobutyl Ketone	µg/L	20		<	
Methyl tert-butyl ether	µg/L	2		<	
Chlorobenzene	µg/L	0.5		<	80
Naphthalene	µg/L	0.04		<	
n-Butylbenzene	µg/L	0.1		<	
n-Propylbenzene	µg/L	0.03		<	
sec-Butylbenzene	µg/L	0.06		<	
Styrene	µg/L	0.5		<	
tert-Butylbenzene	µg/L	0.03		<	
1,1,1,2-Tetrachloroethane	µg/L	0.5		<	
1,1,2,2-Tetrachloroethane	µg/L	0.5		<	
Tetrachloroethylene	µg/L	0.5		<	10
Toluene	µg/L	0.5		<	60
Total Trihalomethanes	µg/L	6		<	100
1,2,3-Trichlorobenzene	µg/L	0.1		<	
1,2,4-Trichlorobenzene	µg/L	0.5		<	
1,1,1-Trichloroethane	µg/L	0.5		<	
1,1,2-Trichloroethane	µg/L	0.5		<	
Trichloroethylene	µg/L	0.5		<	5
Trichlorofluoromethane	µg/L	5		<	
1,2,3-Trichloropropane	µg/L	0.07		<	
1,2,4-Trimethylbenzene	µg/L	0.03		<	
1,3,5-Trimethylbenzene	µg/L	0.06		<	
Vinyl Chloride	µg/L	0.5		<	1
mp - Xylene	µg/L	1.0		<	
Xylenes (total)	µg/L	1.1		<	90
o-Xylene	µg/L	0.5		<	

Notes:  
 "RL" denotes reporting limit  
 "<" denotes results below reporting limit  
 denotes concentration exceeds the ODWS

Data Input: RF  
 Data Check: MW



**Table 8**  
**Surface Water Analyses**

Parameter	Units	May Sampling															Provincial Water Quality Objectives	Table B: Canadian Water Quality Guidelines	Table A: Aquatic Protection Values
		North Watercourse										South Watercourse							
		Station ID	95 percentile	Historic Average	SW6	SW4	SW16	SW8	SW12	SW14	95 percentile	Historic Average	SW15	SW11	SW2	SW1			
		Sample ID	SW background	SW Average	18-W028	18-W027	18-W024	18-W025	18-W026	18-W029	SW15 (95th)	SW15 (Ave)	18-W009	18-W014	18-W013	18-W012			
Flow Condition			lotic	lotic	lotic	lotic	lentic	lentic			lentic	lentic	lentic	lentic					
RL			18-May-24	18-May-24	18-May-24	18-May-24	18-May-24	18-May-24			18-May-23	18-May-24	18-May-24	18-May-24					
Hardness as CaCO3	mg/L	1	144.6	105	146	149	445	348	724	288	91	66	94	157	111	47			
Alkalinity as CaCO3	mg/L	5	309	97	105	115	396	298	731	242	87	54	78	169	98	25	(see note 3)		
Ammonia-N	mg/L	0.01	0.596	0.263	0.06	0.06	0.01	0.06	0.24	0.06	0.2269	0.090	0.08	0.04	0.04	0.03			
Ammonia (N)-unionized (lab)	mg/L	0.01	0.01	0.01	<	<	<	<	0.02	0.01	0.01	0.01	<	<	<	<	0.02		0.100
Biochemical Oxygen Demand	mg/L	2	16	5	8	14	<	3	>20.7	<	25	11	5	5	7	3			
Chemical Oxygen Demand	mg/L	5	173.8	95.4	125	154	5	24	454	32	840.75	250.4	58	60	85	72			
Dissolved Organic Carbon	mg/L	0.2	53.665	35.117	40.8	40.8	3.7	12.8	143	14.2	52.38	25.220	19.1	19.5	20.5	19.2			
Conductivity	umho/cm	1	1059.65	313.33	286	327	871	767	1800	520	165.85	120.60	145	281	200	54			
pH	pH Units	-	7.98	4.15	8.06	8.15	8.08	8.29	8.20	8.65	14.96	7.34	7.93	8.17	7.66	7.08	6.5 - 8.5		6.0-9.0
Phenols	mg/L	0.001	0.00195	0.00029	<	<	<	<	0.007	<	0.01845	0.004	<	<	<	<	0.001	0.004 <sup>4</sup>	0.04 <sup>4</sup>
Total Phosphorus	mg/L	0.01	1.19	0.63	0.43	0.42	0.04	0.14	0.97	0.10	1.45	0.66	0.16	0.12	0.14	0.10	0.03		
o-Phosphate	mg/L	0.01	0.19	0.18	0.13	0.16	0.02	0.04	0.18	<	0.08	0.05	0.02	<	<	0.01			
Total Dissolved Solids	mg/L	3	569	195	147	168	460	402	988	269	220	107	74	144	102	27			
Total Suspended Solids	mg/L	3	274.2	89.1	30	100	<	14	90	12	516	159	12	20	12	10			
Total Kjeldahl Nitrogen-N	mg/L	0.1	5.6	2.9	2.2	1.8	0.2	0.9	2.4	1.0	7.1	3.7	1.5	1.6	1.2	1.2			
Chloride	mg/L	0.5	230.4	49.8	22.4	29.3	39.9	61.6	147	19.1	2.5	1.6	0.7	1.8	3.6	1.3		128 <sup>proposed</sup>	180
Nitrate-N	mg/L	0.05	3.87	0.81	<	<	2.59	0.67	<	0.93	2.14	0.47	<	0.06	<	0.06		2.9	
Nitrite-N	mg/L	0.05	0.1	0.1	<	<	<	<	<	<	0.10	0.07	<	<	<	<		0.06	
Sulphate	mg/L	1	67	18	7	8	21	18	13	17	11	3	<	<	1	<			100
Mercury	mg/L	0.00002	0.001	0.0001	<	<	<	<	<	<	0.00100	0.00021	<	<	<	<	0.0002		
Aluminum	mg/L	0.01	9.66	2.65	0.05	0.04	0.06	0.06	0.10	0.06	22.21	5.10	0.04	0.03	0.03	0.07	0.075 <sup>5</sup>		
Arsenic	mg/L	0.0001	0.0021	0.0011	0.0016	0.0021	0.0002	0.0006	0.0081	0.0010	0.0011	0.0007	0.0006	0.0009	0.0005	0.0004	0.005		0.150
Barium	mg/L	0.001	0.200	0.089	0.092	0.094	0.110	0.091	0.245	0.075	0.421	0.120	0.043	0.057	0.041	0.028			2.300
Boron	mg/L	0.005	0.041	0.023	0.022	0.025	0.012	0.022	0.254	0.059	0.037	0.018	<	0.027	0.034	0.009	0.2	1.50	3.550
Cadmium	mg/L	0.000015	0.001000	0.000407	0.000035	0.000059	<	<	0.000081	0.000025	0.001000	0.000267	<	0.000024	<	<	(see note 6)	0.000017 <sup>interim</sup>	0.00021
Calcium	mg/L	0.02	99.46	30.70	33.8	34.6	97.0	76.4	153	61.8	21.60	12.02	15.1	28.7	26.0	10.7			
Chromium	mg/L	0.001	0.021	0.005	0.003	0.004	<	<	0.004	0.001	0.010	0.003	0.001	<	<	<	(see note 7)		0.064
Cobalt	mg/L	0.0001	0.00725	0.00169	0.0013	0.0014	<	0.0003	0.0026	0.0004	0.0035	0.0013	0.0005	0.0002	0.0003	0.0005	0.0009		
Copper	mg/L	0.0001	0.031	0.010	0.0052	0.0062	0.0008	0.0019	0.0065	0.0035	0.0067	0.0032	0.0013	0.0019	0.0004	0.0009	(see note 8)		0.0069
Iron	mg/L	0.005	11.418	3.619	2.83	2.67	0.067	0.727	1.94	0.595	26.230	6.496	1.43	0.273	0.537	0.697	0.3		1.000
Lead	mg/L	0.00002	0.00952	0.0025	0.00163	0.00209	0.00003	0.00035	0.00285	0.00034	0.00228	0.00090	0.00037	0.00015	0.00007	0.00021	(see note 9)		0.002
Magnesium	mg/L	0.02	39.49	12.41	15.0	15.3	49.3	38.3	83.2	32.5	18.17	10.22	13.8	20.7	11.2	4.93			
Manganese	mg/L	0.001	0.655	1.632	0.079	0.113	0.013	0.061	1.07	0.034	0.441	0.137	0.021	0.013	0.035	0.039			
Nickel	mg/L	0.01	0.02	0.01	<	<	<	<	0.01	<	0.0775	0.02	0.0019	<	<	<	0.025		
Potassium	mg/L	0.1	16.4	8.2	5.3	5.2	0.9	2.0	92.2	2.5	9.7	4.7	1.0	0.9	0.5	1.0			
Silver	mg/L	0.0001	0.0002	0.0003	<	<	<	<	<	<	0.00255	0.0005	<	<	<	<	0.0001		
Sodium	mg/L	0.2	80.9	19.9	15.1	17.3	21.1	30.3	97.9	23.0	6.2	4.3	7.1	11.4	8.5	4.3			
Strontium	mg/L	0.001	0.197	0.108	0.213	0.220	0.444	0.395	1.37	0.393	0.184	0.116	0.193	0.392	0.189	0.085			
Vanadium	mg/L	0.005	0.009	0.007	0.008	0.009	<	<	0.009	0.005	0.008	0.005	<	<	<	<	0.006		
Zinc	mg/L	0.005	0.219	0.067	0.029	0.029	0.022	0.020	0.038	0.023	0.232	0.054	0.025	0.022	0.021	0.025	0.02	0.03	0.089
pH(field)	pH Units	-	8.00	8.00	8.00	9.38	8.49	8.31	8.45	9.36	6.85	6.85	6.85	8.54	7.66	7.32	6.5 - 8.5		6.0 - 9.0
Temperature (field)	° Celcius	-	18.90	18.90	18.90	25.00	10.38	18.10	19.59	23.96	20.08	20.08	20.08	19.87	15.07	14.05			
Dissolved Oxygen (field)	mg/L	-	2.61	2.61	2.61	8.03	6.50	13.64	1.34	21.30	10.12	10.12	10.12	7.93	2.51	0.00	(see note 2)		
Conductivity (field)	mS/cm	-	0.339	0.339	0.339	0.396	0.952	0.937	2.01	0.591	0.185	0.185	0.185	0.326	0.215	0.084			
Unionized Ammonia (Calculated) <sup>1</sup>	mg/L	0.01	<	<	<	0.03	<	<	0.02	0.03	<	<	<	<	<	<	0.02		0.100

Data Input: RF  
Data Check: MW

**Table 8 (Cont'd)**  
**Surface Water Analyses**

Parameter	Units	November Sampling																Provincial Water Quality Objectives	Table B: Canadian Water Quality Guidelines	Table A: Aquatic Protection Values
		North Watercourse								South Watercourse										
		Station ID	95 percentile	Historic Average	SW6	SW4	SW16	SW8	SW12	SW14	95 percentile	Historic Average	SW15	SW11	SW2	SW1				
		Sample ID	SW background	SW Average	18-W037	18-W042	18-W043	18-W047	18-W054	18-W044	SW15 (95th)	SW15 (Ave)	18-W030	18-W032	18-W034	18-W035				
Flow Condition	RL		18-Nov-26	18-Nov-26	18-Nov-26	18-Nov-26	18-Nov-27	18-Nov-26			18-Nov-26	18-Nov-26	18-Nov-26	18-Nov-26						
Hardness as CaCO3	mg/L	1	144.6	105	58	61	158	149	450	152	91	66	37	56	56	53	(see note 3)			
Alkalinity as CaCO3	mg/L	5	309	97	10	28	76	70	300	87	87	54	14	46	17	16				
Ammonia-N	mg/L	0.01	0.596	0.263	0.16	0.13	0.22	0.12	3.64	0.13	0.2269	0.090	0.08	0.08	0.09	0.07	0.02		0.100	
Ammonia (N)-unionized (lab)	mg/L	0.01	0.01	0.01	<	<	0.02	0.01	0.05	<	0.01	0.01	<	<	<	<				
Biochemical Oxygen Demand	mg/L	3	16	5	5	4	16	10	23	3	25	11	<	<	<	<				
Chemical Oxygen Demand	mg/L	5	173.8	95.4	125	73	73	47	280	54	840.75	250.4	36	21	99	149				
Dissolved Organic Carbon	mg/L	0.5	53.665	35.117	17.0	19.0	10.4	16.7	86.4	15.9	52.38	25.220	2.3	24.5	41.2	56.8				
Conductivity	µmho/cm	1	1059.65	313.33	123	160	383	376	1440	491	165.85	120.60	80	134	157	123				
pH	pH Units	-	7.98	4.15	6.93	7.19	7.52	7.62	7.90	7.76	14.96	7.34	7.10	7.67	6.43	6.37	6.5 - 8.5		6.0-9.0	
Phenols	mg/L	0.002	0.00195	0.00029	<	<	0.004	0.005	0.022	0.004	0.01845	0.004	<	<	<	0.003	0.001	0.004 <sup>4</sup>	0.04 <sup>4</sup>	
Total Phosphorus	mg/L	0.01	1.19	0.63	0.65	0.30	0.82	0.43	1.65	0.45	1.45	0.66	0.09	0.44	0.09	0.09	0.03			
o-Phosphate	mg/L	0.01	0.19	0.18	0.22	0.19	0.18	0.22	2.10	0.31	0.08	0.05	0.08	0.04	0.03	0.02				
Total Dissolved Solids	mg/L	10	569	195	62	81	197	194	783	254	220	107	40	68	80	62				
Total Suspended Solids	mg/L	3	274.2	89.1	130	22	70	175	22	28	516	159	19	16	6	<				
Total Kjeldahl Nitrogen-N	mg/L	0.1	5.6	2.9	3.9	2.0	5.1	1.9	8.4	2.0	7.1	3.7	2.2	1.9	1.8	2.2				
Chloride	mg/L	0.5	230.4	49.8	1.7	5.9	26.9	28.2	123	52.8	2.5	1.6	1.2	1.3	5.4	2.9		128 <sup>proposed</sup>	180	
Nitrate-N	mg/L	0.05	3.87	0.81	7.59	4.19	14.3	7.56	3.10	7.35	2.14	0.47	3.27	2.66	1.20	0.34		2.9		
Nitrite-N	mg/L	0.05	0.1	0.1	<	<	0.05	<	0.24	<	0.10	0.07	<	<	<	<		0.06		
Sulphate	mg/L	1	67	18	9	18	8	36	218	34	11	3	7	5	32	23			100	
Mercury	mg/L	0.00002	0.001	0.0001	<	<	<	<	<	<	0.00100	0.00021	<	<	<	<	0.0002			
Aluminum	mg/L	0.01	9.66	2.65	0.06	0.10	0.03	0.05	0.07	0.04	22.21	5.10	0.05	0.02	0.23	0.43	(see note 5)			
Arsenic	mg/L	0.0001	0.0021	0.0011	0.0005	0.0005	0.0005	0.0005	0.0074	0.0007	0.0011	0.0007	0.0005	0.0004	0.0006	0.0007	0.005		0.150	
Barium	mg/L	0.001	0.200	0.089	0.099	0.066	0.123	0.098	0.137	0.085	0.421	0.120	0.091	0.062	0.030	0.028			2.300	
Boron	mg/L	0.005	0.041	0.023	0.007	<	0.010	0.010	0.453	0.009	0.037	0.018	0.005	0.021	0.023	0.005	0.2	1.50	3.550	
Cadmium	mg/L	0.000015	0.001000	0.000407	0.000162	0.000119	0.00007	0.000126	0.000205	0.000081	0.001000	0.000267	0.000117	0.000046	0.000120	0.000123	(see note 6)	0.000017 <sup>interim</sup>	0.00021	
Calcium	mg/L	0.02	99.46	30.70	10.8	12.3	34.3	34.3	116	35.0	21.60	12.02	4.88	9.21	10.4	9.92				
Chromium	mg/L	0.001	0.021	0.005	0.009	0.005	0.009	0.007	0.003	0.004	0.010	0.003	0.008	0.004	0.002	0.002	(see note 7)		0.064	
Cobalt	mg/L	0.0001	0.00725	0.00169	0.0021	0.0012	0.0024	0.0018	0.0019	0.0013	0.0035	0.0013	0.0020	0.0010	0.0010	0.0010	0.0009			
Copper	mg/L	0.0001	0.031	0.010	0.0092	0.0065	0.0068	0.0058	0.0165	0.0048	0.0067	0.0032	0.0063	0.0022	0.0037	0.0011	(see note 8)		0.0069	
Iron	mg/L	0.005	11.418	3.619	5.72	2.44	7.08	4.85	0.737	2.59	26.230	6.496	5.56	2.44	1.07	1.17	0.3		1.000	
Lead	mg/L	0.00002	0.00952	0.0025	0.00365	0.00138	0.00221	0.00214	0.00179	0.00152	0.00228	0.00090	0.00226	0.0010	0.00129	0.00195	(see note 9)		0.002	
Magnesium	mg/L	0.02	39.49	12.41	7.54	7.37	17.5	15.3	41.2	15.6	18.17	10.22	6.05	8.06	7.19	6.74				
Manganese	mg/L	0.001	0.655	1.632	0.062	0.042	0.074	0.060	0.456	0.046	0.441	0.137	0.049	0.020	0.070	0.070				
Nickel	mg/L	0.0002	0.02	0.01	0.0055	0.004	0.0057	0.0055	0.0078	0.0034	0.0775	0.02	0.0056	0.0023	0.0035	0.0029	0.025			
Potassium	mg/L	0.1	16.4	8.2	5.2	4.7	4.2	5.1	66.9	6.9	9.7	4.7	2.5	1.0	1.7	1.5				
Silver	mg/L	0.0001	0.0002	0.0003	<	<	<	<	<	<	0.00255	0.0005	<	<	<	<	0.0001			
Sodium	mg/L	0.2	80.9	19.9	2.8	4.4	10.1	11.0	96.6	23.2	6.2	4.3	3.0	5.3	6.9	5.1				
Strontium	mg/L	0.001	0.197	0.108	0.053	0.072	0.163	0.158	0.770	0.188	0.184	0.116	0.063	0.141	0.075	0.069				
Vanadium	mg/L	0.005	0.009	0.007	0.010	0.006	0.012	0.009	<	0.005	0.008	0.005	0.009	<	<	<	0.006			
Zinc	mg/L	0.005	0.219	0.067	0.344	0.034	0.032	0.033	0.055	0.027	0.232	0.054	0.036	0.020	0.046	0.099	0.02	0.03	0.089	
pH(field)	pH Units	-	8.00	8.00	8.21	8.26	8.90	8.74	8.14	8.52	6.85	6.85	8.73	9.11	8.37	8.85	6.5 - 8.5		6.0 - 9.0	
Temperature (field)	° Celcius	-	18.90	18.90	1.65	1.87	4.34	3.25	1.40	4.00	20.08	20.08	10.19	2.45	2.47	2.68				
Dissolved Oxygen (field)	mg/L	-	2.61	2.61	1.78	8.25	6.51	2.43	12.24	3.19	10.12	10.12	3.95	3.55	9.35	0.79	(see note 2)			
Conductivity (field)	mS/cm	-	0.339	0.339	0.086	0.188	0.388	0.384	1.72	0.497	0.185	0.185	0.662	0.134	0.16	0.138				
Unionized Ammonia (Calculated) <sup>1</sup>	mg/L	0.01	<	<	<	<	0.02	0.01	0.05	<	<	<	0.01	0.01	<	<	0.02		0.100	

Data Input: RF  
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
- 2 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-15°C = ≥5mg/L 20°C-25°C = ≥4mg/L
- 3 Alkalinity should not be decreased by more than 25% of the natural concentration
- 4 Table A and Table B standards apply only to Phenol
- 5 Aluminum criteria: >6.5 - 9.0 pH = 0.075 mg/L, >5.5 - 6.5 pH = <10% above natural background concentration

- 6 Cadmium criteria: 0-100 mg/L Hardness = 0.0001 mg/L, >100 mg/L Hardness = 0.0005 mg/L
- 7 Chromium reported as total, published standards are for Chromium VI (0.001 mg/L) and Chromium III (0.0089 mg/L)
- 8 Copper criteria: 0-20 mg/L Hardness = 0.001 mg/L, >20 mg/L Hardness = 0.005 mg/L
- 9 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
- 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 PWQO
- denotes concentration exceeds the CWQG
- denotes concentration exceeds the APV
- denotes background surface water station



**Table 9**  
**Groundwater and Surface Water Comparison**

Location	Ditch Invert Elevation (m)	Nearest Groundwater Monitor	Groundwater Elevations (m)*		Groundwater Relative to Nearest SW Body Invert (m)	
			Spring 2018	Fall 2018	Spring 2018	Fall 2018
SW1	95.00	91-3	96.25	95.87	+1.25	+0.87
SW4	95.97	11-3	97.02	97.16	+1.05	+1.19
Middle of South Ditch	96.48				+0.54	+0.68
West Ditch						
Inv 1	97.870				-0.85	-0.71
Inv 2	97.749				-0.73	-0.59
Inv 3	96.670				+0.35	+0.49
Inv 4	96.475				+0.55	+0.69
Inv 5	96.543	+0.48	+0.62			
Inv 6	96.173	+0.85	+0.99			
SW6	95.93	MW103	97.06	97.28	+1.13	+1.35
SW16	96.64	11-1	96.74	96.91	+0.10	+0.27

Input: ZL  
 Checked: AP

Notes:

\* Groundwater elevations taken from nearest shallow groundwater monitoring well  
 Elevations based on survey data obtained in 2018 by Malroz

**Appendix H**  
**Historic Chemistry**



Parameters	Date Sampled	MDL	Alkalinity, total		Ammonia as N		Ammonia, unfiltered		BOD	Chemical Oxygen Demand	Dissolved Organic Carbon	Conductivity	pH	Phenolics	Phosphorus, total	Phosphorus, total dissolved	Total Dissolved Solids	Total Suspended Solids	Total Kjeldahl Nitrogen	Chloride	Nitrate as N	Nitrite as N	Sulfate	Aluminum, dissolved	Mercury	Arsenic	Barium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Silver	Sodium																																
			5	0.01	0.001	2	10	0.5																																		5	0.1	0.001	0.01	0.01	10	2	0.1	1	0.1	0.05	1	0.001	0.0001	0.001	0.001	0.01	0.01	0.01	0.0001	0.1	0.001	0.0005	0.0005	0.1	0.001	0.2	0.005	0.001	0.01	0.0001	0.01
			PWQC	0.020																																								0.001	0.02														0.00026	0.005													
SW1	1-Oct-98		9	nd	nd	9.6		7.3	288	19.4	0.21	nd	4.7	120	13	0.06	nd	2.7	19.4	0.21	nd	4.7	0.743	nd	nd	0.044	0.039	0.0002	27.3	0.016	0.0005	0.0057	1.04	0.0009	13	0.076	nd	5.2	nd	10.8																																	
	1-Jun-99		98	0.52	<0.01	54			224	8.5	10.8	1.21	<0.01	6.1				8.5	10.8	1.21	<0.01	6.1	0.08	nd	nd	0.075	nd	nd	29.3	0.001	0.013	2	0.003	11.9	0.71	20	6.8	0.0001	20																																		
	1-Oct-99		96	0.09	nd	16			336	11	11	0.2	<0.1	58				11	11	0.2	<0.1	58	0.046	nd	nd	0.04	nd	nd	34	nd	nd	0.001	0.001	18	0.45	12	0.22	9.6	0.0001	6.8																																	
	1-Jul-00		100	nd	nd	nd			240	12.0	1.2	9.5	0.3	nd				12.0	1.2	9.5	0.3	nd	0.046	nd	nd	0.04	nd	nd	16	nd	nd	0.001	0.001	5.5	nd	9.6	0.21	nd	7.3	0.0001	6.8																																
	1-Sep-01		96	0.03	nd	2.2			287	0.991	1.3	17.4	nd	nd				0.991	1.3	17.4	nd	nd	0.743	nd	nd	0.044	0.039	0.0002	27.3	0.016	0.0005	0.0057	1.04	0.0009	13	0.076	nd	5.2	nd	10.8																																	
	1-Dec-01		100	2.62	<0.001	8.8			298.0	1.13	6	6.7	nd	nd				1.13	6	6.7	nd	nd	0.002	0.009	0.067	0.0003	0.0003	0.0101	3.43	0.0055	13.3	0.409	0.002	5.9	nd	7.2	0.0001	5.9																																			
	1-May-04		102	0.22	nd	13.1		25.3	234	0.52	12.3	nd	nd	3				0.52	12.3	nd	nd	98.2	0.002	0.002	0.162	0.035	0.004	33.6	0.006	0.0046	0.0098	12.2	0.0128	13.3	0.269	0.008	3	nd	10.6																																		
	1-Nov-04		59	nd	nd	2.3			126	0.152	4.2	0.6	nd	1.2				0.152	4.2	0.6	nd	1.2	2.55	nd	nd	0.068	0.012	nd	14.5	nd	0.0025	0.0048	4.57	0.0029	7.58	0.25	0.003	4.4	nd	3.2																																	
	1-May-05		65	0.18	nd	6			151	0.208	14	nd	nd	16.7				0.208	14	nd	nd	16.7	0.88	0.002	0.046	0.02	nd	18	nd	nd	0.007	1.14	nd	8.8	0.1	0.04	3.6	nd	10																																		
	1-Oct-05		39	nd	nd	8			186	0.156	11	nd	nd	10				0.156	11	nd	nd	10	1.1	nd	0.03	0.019	nd	7.91	nd	0.0013	0.002	2.4	0.0008	4.58	0.17	0.002	5	nd	2.2																																		
	1-Apr-06		101	0.08	nd	nd		160	18.3	1.3	1.3	3	nd	nd				1.3	1.3	3	nd	nd	0.004	0.064	0.166	0.024	0.0008	49	0.002	0.029	0.025	64	2.1	0.0056	13	nd	5.3																																				
	1-Oct-06		51	0.15	<0.02	6			81	0.17	25.9	4	<0.1	0.01				0.17	25.9	4	<0.1	0.01	<10	<0.001	0.027	0.036	<0.001	15	<0.005	0.011	<0.001	2.1	0.021	7.1	0.21	<0.001	6.7	<0.0001	3.2																																		
	1-Oct-07	DUP	58	0.17	<0.02	5			83	0.19	6.0	2	<0.1	<0.01				0.19	6.0	2	<0.1	<0.01	<10	0.17	<0.001	0.024	0.023	<0.001	13	<0.005	0.009	<0.001	1.9	<0.0005	6.4	0.16	0.001	6.1	<0.0001	2.8																																	
	1-May-07		84	0.11	<0.05	2			151	0.19	37.0	1.9	9.3	<0.1				0.19	37.0	1.9	9.3	<0.1	0.19	0.009	0.049	0.058	<0.001	10.9	<0.001	<0.001	0.011	1.34	0.0016	6.55	0.078	<0.01	2.9	<0.0001	19.9																																		
	1-May-07		84	0.38	<0.05	4			97	0.11	276	9.1	<0.1	<0.1				0.11	276	9.1	<0.1	<0.1	0.04	0.25	0.051	0.06	<0.001	10.3	<0.001	<0.001	0.011	1.48	<0.0013	6.23	0.079	<0.01	2.4	<0.0001	26																																		
	1-Oct-07	DUP	44	0.47	<0.05	9			98	0.52	35.9	246	<0.1	<0.1				0.52	35.9	246	<0.1	<0.1	62	0.53	0.007	0.055	0.021	<0.005	20.5	<0.002	<0.005	0.004	2.29	<0.001	10.7	0.143	<0.01	2.5	<0.0001	14																																	
	1-Oct-07		36	0.43	<0.05	13			122	0.37	32.5	245	<0.1	<0.1				0.37	32.5	245	<0.1	<0.1	62	0.59	0.008	0.058	0.019	<0.005	16.8	<0.002	<0.005	0.004	1.85	<0.001	9.99	0.162	<0.01	2.6	<0.0001	11.4																																	
	1-Nov-08		42	<0.05	<0.02	4			74	0.12	24.3	1.3	2	<0.1				0.12	24.3	1.3	2	<0.1	<1	0.35	<0.005	0.026	0.027	<0.001	5.11	0.004	0.023	1.08	<0.001	3.2	0.089	4.2	1.6	<0.0001	5.7																																		
	1-Apr-09		93	0.1	<0.05	<2			51	0.16	15.6	1.2	4	<0.1				0.16	15.6	1.2	4	<0.1	6.2	2.87	<0.005	0.058	0.022	<0.001	17.6	<0.005	<0.005	2.79	<0.001	9.54	0.081	<0.01	3.2	<0.0001	1.6																																		
	18-Nov-09		80	<0.05	<0.05	5			91	0.35	25.7	1.77	7.30	<0.1				0.35	25.7	1.77	7.30	<0.1	<1	1.09	<0.005	0.042	0.013	<0.0003	17	<0.002	<0.005	0.0068	2.34	<0.0008	8.09	0.156	<0.01	5.6	<0.0001	2.8																																	
	14-Jul-10		45	0.1	<0.05	23			91	0.68	18.3	105	5.90	<0.1				0.68	18.3	105	5.90	<0.1	<1	0.29	0.011	0.033	0.025	<0.001	10.5	<0.002	0.017	0.008	2.19	0.008	3.73	0.427	<0.01	2.5	<0.0001	1.1																																	
	1-Nov-10		148	<0.01	<0.01	6			72	0.6	18.5	309	5	<0.1				0.6	18.5	309	5	<0.1	<1	0.53	<0.0002	0.006	0.01	<0.001	43.9	<0.002	0.021	0.0031	5.26	0.003	11.9	0.878	<0.01	10.5	<0.0001	1.1																																	
	1-May-11		106	0.08	<0.01	8			70	0.59	15.3	210	6.94	<0.1				0.59	15.3	210	6.94	<0.1	<1	0.06	0.003	0.05	0.02	0.0002	33.7	<0.002	0.002	0.0006	6.45	0.0013	9.73	1.21	<0.01	2.9	<0.0002	2.4																																	
	11-Nov-11		89	<0.05	<0.05	6			71	0.19	19.6	7.35	0.59	<0.1				0.19	19.6	7.35	0.59	<0.1	<1	0.04	0.001	0.013	<0.005	13.7	<0.002	0.003	0.0006	0.848	0.0059	7.32	0.093	<0.01	3.5	<0.0001	3.7																																		
	17-May-12		75	<0.01	<0.01	7			54	0.11	14.1	218	7.5	<0.1				0.11	14.1	218	7.5	<0.1	<1	0.24	<0.0002	0.004	0.016	<0.0002	17.4	<0.002	0.007	0.0007	1.89	0.00025	7.51	1.8	<0.01	1.8	<0.0001	3.7																																	
	17-Oct-12	DUP	113	0.065	<0.005	23			96	<0.001	0.29	<0.001	0.19	<0.001	<1			<0.001	0.29	<0.001	<0.001	<1	0.19	<0.0002	0.0005	0.043	0.017	<0.0002	32.4	0.0007	<0.005	0.0054	2.23	0.00126	12.8	0.215	<0.01	6.9	<0.0001	4.9																																	
	17-Oct-12		107	0.067	<0.005	19			118	0.14	225	124	<0.001	<1				0.14	225	124	<0.001	<1	0.53	<0.0002	0.0004	0.06	0.031	<0.0002	34.9	0.0003	<0.005	0.0012	4.26	<0.00002	13.4	0.603	<0.01	7.3	<0.0001	4.7																																	
	24-Oct-13		64	<0.020	<0.00016	<2.0			82	0.022	0.125	161	12.8	<0.1				0.022	0.125	161	12.8	<0.1	<2.0	6.62	<0.0010	<0.0010	0.084	0.018	<0.00090	14.5	0.00695	0.00148	0.046	5.29	0.00166	7.88	0.115	0.0045	5.2	<0.00010	2.56																																
	17-Nov-13		47	<0.050	<0.050	3			131	0.45	131	1.66	<2.0	<2.0				0.45	131	1.66	<2.0	<2.0	<2.0	4.51	<0.0010	<0.0010	0.025	0.01	<0.00090	8.94	0.00119	0.00094	0.011	2.56	<0.00050	5.41	0.152	<0.0010	4.6	<0.00010	2.41																																
	22-Oct-14		47	0.091	0.00026	3.4			90	0.1																																																															





Parameters			Alkalinity, total	Ammonia as N	Ammonia, un-ionized	BOD	Chemical Oxygen Demand	Dissolved Organic Carbon	Conductivity	pH	Phenolics	Phosphorus, total	Phosphorus, total dissolved	Total Dissolved Solids	Total Suspended Solids	Total Kjeldahl Nitrogen	Chloride	Nitrate as N	Nitrite as N	Sulphate	Aluminum, dissolved	Mercury	Arsenic	Barium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Silver	Sodium
Surface Water	Date Sampled	MDL	5	<0.01	0.001	2	10	0.5	5	0.1	0.001	0.01	0.01	10	2	0.1	1	0.1	0.05	1	0.001	0.0001	0.001	0.01	0.1	0.001	0.001	0.0005	0.0005	0.1	0.001	0.2	0.005	0.001	0.1	0.001	0.2	
Samoling	1-Apr-09		38	<0.05		<2	56	16	81	8.80	0.26		35	46.0	1.9	1	<0.1	<0.1	1	1.66		<0.0005	0.04	0.01	0.0001	4.81	0.001	<0.0005	<0.0005	2.01	<0.001	4.24	0.025	<0.01	3.7	<0.001	2.7	
SW15	18-Nov-09		64	<0.05		16	184	22.6	138	1.30	1.01		76	300.0	7.4	2	<0.1	<0.1	1	1.03		<0.0005	0.038	0.022	0.0002	10.7	0.004	0.0008	0.0027	2.4	0.0012	8.22	0.07	<0.01	6	<0.001	5.5	
	1-May-11		34	0.28		15	1320	22	73	20.00	1.72		40	290.0	6.7	<1	<0.1	<0.1	<1	6.84		0.0004	0.269	0.018	0.0003	15.8	0.013	0.0004	0.0012	8.09	0.00021	10.7	0.302	<0.01	5.2	<0.0002	3.8	
	17-Oct-12		38	0.162	< 0.005	33	255	95	95		0.34	0.99	52	692.0	4.9	1.2	< 0.1	< 0.1	< 1	41	< 0.0002	0.0005	0.506	0.046	0.0013	26.4	0.0013	< 0.005	0.0014	48.4	0.00012	22.9	0.611	0.18	13.8	< 0.005	3.9	
	24-Oct-13		58	0.024	0.000038	2.8	150	54.9	121	6.73	0.0028	0.564	173	34.5	1.93	<2.0	<0.10	<0.10	<2.0	1.79	<0.0010	<0.0010	0.0394	0.02	0.000165	8.84	0.00271	0.00112	0.0033	1.87	0.0007	9.33	0.0762	0.0025	6.2	<0.0010	4.7	
	17-Jun-14		84	0.052	0.000075	11	184	49.3	169	7.12	0.0029	1.11	182	115.0	4.44	<2.0	<0.10	<0.10	2.4	2.77	<0.0010	0.0012	0.0928	0.019	0.000218	16.8	0.00406	0.00236	0.0039	2.81	0.00138	14.3	0.269	0.004	4.5	<0.0010	5.12	
	22-Oct-14		84	<0.050	<0.00020	<12.0	159	44.1	162	7.09	<0.0010	0.379	145	50.0	3.2	<2.0	<0.10	<0.10	<2.0	0.32	<0.0010	<0.0010	0.0358	0.018	<0.000090	10.6	0.00092	0.00114	0.0028	1.59	<0.00050	11.9	0.126	0.0021	6.3	<0.0010	4.18	
	16-Nov-15		44	0.07	0.00007	6	102	21.9	142	7.3	ND (0.001)	0.29	251	29	2.8	3	1	ND (0.05)	14	2.86	nd	nd	0.048	0.017	nd	nd	0.002	0.0006	0.0072	1.17	0.0013	5.17	0.011	0.003	2.4	nd	4	
	3-Aug-17		71	0.06	0.0005	3	42	13.6	132	7.2	<0.005	0.16	140	7	1.6	4	<0.1	<0.05	1	0.436	<0.0001	0.001	0.03	0.029	<0.001	9.88	0.001	0.0006	0.0019	1.19	0.0003	9.89	0.054	0.002	2.29	<0.001	4.07	
	23-Nov-17		36	0.08	0.0007	4	42	9.9	91	7.2	<0.001	0.41	348	49	2.6	2	1.2	<0.05	5	2.05	<0.0001	<0.001	0.115	0.012	<0.001	8.38	0.003	0.0011	0.0062	1.43	0.0023	6.14	0.033	0.002	2.03	<0.001	3.19	
SW16	1-Dec-11		353	<0.01	<0.01	66	<5	1.9	729	6.80	0.08		401	46.0	0.5	12	2.6	<0.1	25	2.94		0.0002	0.113	<0.005	<0.0002	89.7	0.007	<0.0001	0.0009	3.1	0.00004	51.9	0.044	<0.01	1.6	<0.0002	17.5	
	16-Apr-12		307	0.01	<0.01	2	9	2.1	691	8.40	0.04		380	12.0	0.6	15.4	4.6	<0.1	24	1.39	<0.0002	0.0004	0.076	<0.005	<0.0002	0.0017	0.0011	0.0011	1.24	<0.0002	1.24	<0.0002	0.9					
	18-Oct-12		343	<0.005	< 0.005	8	116		753		0.06		414	250.0	0.7	17.1	2	< 0.1	27	0.87	< 0.0002	0.0003	0.095	< 0.005	< 0.0002	91.8	0.01	0.0005	< 0.002	0.823	0.00063	49.2	0.031	< 0.01	0.9	0.0005	18.1	
	24-Jul-13		406	<0.050	<0.00084	<2.0	<10	748	8.20	<0.0010	0.072		462	60.4	0.3	13.2	2.37	<0.10	27.1	1.21	<0.0010	<0.0010	0.119	<0.010	<0.000090	93.8	0.00284	0.0011	0.0066	0.00059	39.3	0.0174	<0.010	1.1	<0.0010	14.2		
	24-Oct-13		351	0.109	0.000495	7.4	13	9.2	714	7.79	<0.0010	0.15	388	333.0	0.66	23.9	2.59	<0.10	23	2.91	<0.0010	<0.0010	0.121	0.012	<0.000090	88.7	0.00648	0.00141	0.0059	3.79	0.00162	41.6	0.142	0.0029	2.2	<0.0010	17.4	
	17-Jun-14		342	<0.050	<0.00024	<2.0	21	2.8	817	7.81	0.0011	0.0539	458	16.4	0.64	48.3	3.17	<0.10	40.9	0.338	<0.0010	<0.0010	0.0958	0.011	<0.000090	89.4	0.00116	<0.00050	<0.0010	0.346	<0.00050	46.7	0.0201	<0.0010	1.6	<0.0010	17.5	
	22-Oct-14		369	<0.050	<0.00087	<2.0	32	1.6	782	7.79	0.0013	0.041	441	33.3	0.18	40.9	1.61	<0.10	29	0.833	<0.0010	<0.0010	0.104	0.012	<0.000090	81	0.00196	<0.00050	0.0012	0.744	<0.00050	46.4	0.0242	<0.0010	1.1	<0.0010	19.4	
	3-Aug-17		465	0.02	0.0005	<2	<	4.1	853	7.7	<0.001	0.03	484	<2	0.1	32	1.5	<0.05	21	0.03	<0.001	<0.001	0.098	0.015	<0.001	108	<0.001	<0.0005	<0.0005	<0.1	<0.001	49.7	0.007	<0.001	1.12	<0.001	18.2	
	23-Nov-17		432	0.03	0.001	<2	4	1.8	873	7.8	<0.001	0.04	0.04	476	7	0.3	47	1	<0.05	17	0.055	<0.001	<0.001	0.088	0.013	<0.001	97.2	<0.001	<0.0005	0.0006	0.167	0.0001	44.6	0.013	<0.001	3.28	<0.001	19.2

MDL - minimum detection limit for laboratory  
 PWQO - Provincial Water Quality Objectives  
 CWQC - Canadian Water Quality Guidelines  
 APV - Aquatic Protection Value  
 all values are shown in mg/L unless otherwise noted

**Appendix I**  
**Reasonable Use Calculations**



**Reasonable Use Calculations - Overburden**

Sample ID	Sampling Date	Chloride	Barium	Boron	Iron	Manganese	Alkalinity	DOC	Hardness	TDS	Nitrate	Nitrite	Sulphate	Mercury	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Sodium	Uranium	Zinc
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	mg/L	mg/L	mg/L	mg/L	mg/L
PWQO	-			0.2	0.3									0.2	0.075	0.005	0.0001		5.0	5.0			6.0
ODWS	-	250	1.0	5.0	0.3	0.05	500	5.0	100	500	10	1.0	500	0.001	0.1	0.01	0.005	0.05	1.0	0.01	200	0.02	5.0
11-4-2011-11-11	11-Nov-11	9	0.13	0.01	0.063	0.022	319	1.8	-	371	0.7	0.1	29	-	0.21	0.0004	0.00002	0.002	0.002	0.00014	19	-	0.005
11-4-2012-04-25	12-Apr-25	5.3	0.087	0.01	0.062	0.031	374	1.2	-	412	0.4	0.1	32	0.00008	0.13	0.0002	0.00002	0.0012	0.002	0.00005	14.6	-	0.005
11-4-2012-10-10	12-Oct-10	47.5	0.112	0.02	0.099	0.071	375	2.6	-	489	0.3	0.1	42	0.00002	0.17	0.0008	0.005	0.002	0.002	0.00011	22.1	-	0.005
11-4-2013-07-24	13-Jul-24	9	0.1	0.01	0.05	0.0227	358	3.4	-	430	0.2	0.1	21.4	0.0001	0.01	0.001	0.00009	0.0005	0.0015	0.0005	24.9	-	0.003
11-4-2013-10-24	13-Oct-24	6.6	0.0617	0.01	0.05	0.0108	325	3.5	-	316	0.35	-	16.4	0.0001	-	-	-	-	-	0.0005	40.6	-	-
11-4-2014-06-18	14-Jun-18	2.5	0.068	0.01	0.05	0.0549	400	2.1	-	377	0.1	0.1	15.1	0.0001	0.01	0.001	0.00009	0.0005	0.001	0.0005	26.4	-	0.003
11-4-2014-10-22	14-Oct-22	4.3	0.0883	0.01	0.143	0.0788	439	2.7	-	421	0.19	0.1	20.2	0.0001	0.01	0.001	0.00009	0.0005	0.001	0.0005	44	-	0.003
11-4-2015-05-06	15-May-06	5	0.077	0.01	0.05	0.009	420	2.9	-	446	0.2	0.05	23	0.0001	0.015	0.001	0.001	0.001	-	0.0005	28.8	-	0.003
11-4-2015-11-16	15-Nov-16	8	0.088	0.02	0.05	0.023	408	2.5	-	386	0.5	0.05	31	0.0001	0.002	0.001	0.001	0.001	0.0007	0.0001	19	-	0.003
11-4-2016-11-28	16-Nov-28	4	0.107	0.01	0.1	0.005	212	4.6	-	924	102	0.05	13	0.0001	0.054	0.001	0.001	0.001	0.001	0.0001	31.2	-	0.003
17-W012	17-Aug-03	2	0.059	0.01	0.05	0.013	278	9.8	300	536	21.5	0.025	6	0.00005	0.002	0.0005	0.0005	0.0005	0.004	0.00005	20	0.001	0.0025
17-W033	17-Nov-23	2	0.064	0.02	0.05	0.0025	306	4.8	320	466	22.9	0.025	9	0.00005	0.006	0.0005	0.0005	0.0005	0.0022	0.00005	18.7	0.0016	0.0025
18-W022	18-May-24	2.6	0.067	0.005	0.0025	0.003	278	15.4	346	355	18.8	0.06	11	0.00001	0.05	0.0002	0.0000075	0.0005	0.0018	0.00001	17.8	0.00154	0.0025
18-W023	18-May-24	2.6	0.068	0.005	0.0025	0.003	288	4.4	351	359	19	0.025	11	0.00001	0.05	0.0002	0.0000075	0.0005	0.0018	0.00001	17.6	0.00158	0.0025
18-W040	18-Nov-26	4.1	0.036	0.005	0.016	0.0005	113	13.5	211	249	26.6	0.025	10	0.00001	0.02	0.0003	0.0000075	0.0005	0.0036	0.00004	9.5	0.00056	0.0025
18-W046	18-Nov-26	3.1	0.033	0.005	0.027	0.0005	82	15.6	172	205	23.5	0.025	9	0.00001	0.03	0.0003	0.0000075	0.003	0.0041	0.00004	7.2	0.00029	0.0025

median Cb	4	0.0725	0.0105	0.05	0.0119	322	3	310	399	0.6	0.05	16	0.0001	0.0200	0.0005	0.0001	0.0005	0.0019	0.0001	20	0.0013	0.003
min	2	0.033	0.005	0.0025	0.0005	82	1.2	172	205	0.1	0.025	6	0.00001	0.002	0.0002	0.0000075	0.0005	0.0007	0.00001	7.2	0.00029	0.0025

Cm=Cb+x(Cr-Cb)	Cm(normal)	127	0.30	1.3	0.175	0.031	411	4.23	205	449.5	2.95	0.29	258	0.00031	0.06	0.0029	0.0013	0.013	0.5	0.0026	110	0.00595	2.5
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Cb=background concentration

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

Cr = max conc. acceptable in water (Ontario Drinking Water Standard)

Cm = max degradation

AO denotes aesthetic objective, IMAC denotes Interim Maximum Acceptable Concentration

shading denotes result was below the reporting limit and half the value of the RL was adopted to allow for statistical analyses

Malroz was not consultant on the site prior to 2017, therefore pre-2017 values were collected by others and values were provided with the absence of laboratory certificates of analyses

Data Input: RF  
 Data Check: RV

## Reasonable Use Calculations - Bedrock

Sample ID	Sample Location	Sampling Date	Chloride	Barium	Boron	Iron	Manganese	Alkalinity	DOC	Hardness	TDS	Nitrate	Nitrite	Sulphate	Mercury	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Sodium	Uranium	Zinc
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	mg/L	mg/L	mg/L	mg/L	mg/L
PWQO	-	-			0.2	0.3									0.2	0.075	0.005	0.5		5.0	5.0			6.0
ODWS	-	-	250	1.0	5.0	0.3	0.05	500	5.0	100	500	10	1.0	500	0.001	0.1	0.01	0.005	0.05	1.0	0.01	200	0.02	5.0
17-W035	MW102	17-Nov-17	108	0.794	0.056	0.510	0.554	512	6.7	596	764	0.7	0.025	82	0.0005	0.0005	0.00025	0.0005	0.0005	0.0009	0.00005	29	0.0033	0.0025
18-W020	MW102	18-May-18	162	0.951	0.040	0.420	0.501	422	6.4	628	727	0.88	0.025	57	0.00001	0.08	0.0002	0.0000075	0.0005	0.0017	0.00004	39.4	0.00253	0.0025
18-W038	MW102	18-Nov-27	198	0.859	0.048	0.558	0.481	380	4.9	606	778	0.05	0.025	58	0.00001	0.06	0.0002	0.0000075	0.0005	0.0011	0.00001	58.8	0.00308	0.0025

median Cb	162	0.8590	0.048	0.51	0.501	422	6	606	764	0.7	0.025	58	0.00001	0.06	0.0002	0.0000075	0.0005	0.0011	0.00004	39	0.00308	0.0025
min	108	0.794	0.04	0.42	0.481	380	4.9	596	727	0.05	0.025	57	0.00001	0.0005	0.0002	0.0000075	0.0005	0.0009	0.00001	29	0.00253	0.0025

$C_m = C_b + x(C_r - C_b)$	Cm(normal)	206	0.89	1.3	0.41	0.28	461	5.7	353	632	3.03	0.27	279	0.00026	0.08	0.0027	0.0013	0.013	0.5	0.0025	120	0.00731	2.5
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Cb=background concentration

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

Cr = max conc. acceptable in water (Ontario Drinking Water Standard)

Cm = max degradation

AO denotes aesthetic objective, IMAC denotes Interim Maximum Acceptable Concentration

shading denotes result was below the reporting limit and half the value of the RL was adopted to allow for statistical analyses

Data Input: RF  
Data Check: RV



**Appendix J**  
**Laboratory Certificates of Analyses**

C.O.C.: G72597

REPORT No. B18-14166 (i)

Rev. 2

**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: 23-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	18-W001	18-W002	18-W003	18-W004
Sample I.D.	B18-14166-1	B18-14166-2	B18-14166-3	B18-14166-4
Date Collected	23-May-18	23-May-18	23-May-18	23-May-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	30-May-18/O	426	255	376	687
pH @25°C	pH Units		SM 4500H	30-May-18/O	8.03	7.88	8.15	7.97
Conductivity @25°C	µmho/cm	1	SM 2510B	30-May-18/O	932	806	820	2710
Chloride	mg/L	0.5	SM4110C	25-May-18/O	67.6	47.2	53.3	191
Nitrite (N)	mg/L	0.05	SM4110C	25-May-18/O	< 0.05	< 0.05	< 0.05	< 0.5
Nitrate (N)	mg/L	0.05	SM4110C	25-May-18/O	< 0.05	< 0.05	< 0.05	< 0.5
Sulphate	mg/L	1	SM4110C	25-May-18/O	13	125	13	835
BOD(5 day)	mg/L	2	SM 5210B	24-May-18/K	3	4	2	13
Total Suspended Solids	mg/L	3	SM2540D	25-May-18/K	1040	6600	56	4000
Phosphorus-Total	mg/L	0.01	E3199A.1	30-May-18/K	0.76	4.14	0.11	4.33
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	30-May-18/K	1.3	1.3	0.5	0.7
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	28-May-18/K	0.80	0.13	0.31	0.08
Total Dissolved Solids	mg/L	3	SM 2540D	31-May-18/O	495	424	432	1510
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	30-May-18/O	14.7	7.5	19.0	20.2
Phenolics	mg/L	0.001	MOEE 3179	30-May-18/O	< 0.001	< 0.001	< 0.001	< 0.001
COD	mg/L	5	SM 5220D	30-May-18/O	35	188	16	77
Hardness (as CaCO3)	mg/L	1	SM 3120	05-Jun-18/O	494	351	428	1190
Aluminum	mg/L	0.01	SM 3120	05-Jun-18/O	0.07	0.05	0.04	0.12
Arsenic	mg/L	0.0001	EPA 200.8	31-May-18/O	0.0002	0.0004	0.0007	0.0012
Barium	mg/L	0.001	SM 3120	05-Jun-18/O	0.540	0.060	0.607	0.158
Boron	mg/L	0.005	SM 3120	05-Jun-18/O	0.061	0.264	0.218	1.40
Cadmium	mg/L	0.000015	EPA 200.8	31-May-18/O	< 0.000015	< 0.000015	< 0.000015	0.000094
Calcium	mg/L	0.02	SM 3120	05-Jun-18/O	96.5	87.9	65.0	260
Chromium	mg/L	0.001	EPA 200.8	31-May-18/O	< 0.001	0.004	< 0.001	< 0.001
Cobalt	mg/L	0.0001	EPA 200.8	31-May-18/O	< 0.0001	0.0001	< 0.0001	0.0056
Copper	mg/L	0.0001	EPA 200.8	31-May-18/O	0.0004	0.0007	< 0.0001	0.0034
Iron	mg/L	0.005	SM 3120	05-Jun-18/O	1.75	0.022	0.380	0.023



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Michelle Dubien  
Lab Manager

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C.O.C.: G72597

REPORT No. B18-14166 (i)

Rev. 2

**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: 23-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.	18-W001	18-W002	18-W003	18-W004
					Sample I.D.	23-May-18	23-May-18	23-May-18	23-May-18
Lead	mg/L	0.00002	EPA 200.8	31-May-18/O	B18-14166-1	0.00005	0.00003	< 0.00002	0.00006
Magnesium	mg/L	0.02	SM 3120	05-Jun-18/O	B18-14166-2	61.6	32.0	64.7	132
Manganese	mg/L	0.001	SM 3120	05-Jun-18/O	B18-14166-3	0.067	0.013	0.051	0.541
Mercury	mg/L	0.00002	SM 3112 B	01-Jun-18/O	B18-14166-4	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Potassium	mg/L	0.1	SM 3120	05-Jun-18/O		3.4	0.5	3.1	11.3
Silver	mg/L	0.0001	EPA 200.8	31-May-18/O		< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	05-Jun-18/O		21.0	59.8	35.6	288
Strontium	mg/L	0.001	SM 3120	05-Jun-18/O		1.09	0.251	1.55	2.74
Vanadium	mg/L	0.005	SM 3120	05-Jun-18/O		< 0.005	< 0.005	< 0.005	< 0.005
Uranium	mg/L	0.00005	EPA 200.8	31-May-18/O		< 0.00005	0.00044	0.00014	0.0275
Zinc	mg/L	0.005	SM 3120	05-Jun-18/O		< 0.005	< 0.005	< 0.005	0.009

1. elevated detection limit due to high sulphate



Michelle Dubien  
Lab Manager

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P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Parameter	Units	R.L.	Client I.D.		18-W005	18-W006	18-W007	18-W008
			Reference Method	Date/Site Analyzed	B18-14166-5	B18-14166-6	B18-14166-7	B18-14166-8
			Date Collected		23-May-18	23-May-18	23-May-18	23-May-18
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	30-May-18/O	777	770	614	355
pH @25°C	pH Units		SM 4500H	30-May-18/O	7.50	7.57	7.77	8.21
Conductivity @25°C	µmho/cm	1	SM 2510B	30-May-18/O	1980	2170	2100	654
Chloride	mg/L	0.5	SM4110C	25-May-18/O	80.5	115	359	4.2
Nitrite (N)	mg/L	0.05	SM4110C	25-May-18/O	< 0.05	< 0.05	< 0.05	< 0.05
Nitrate (N)	mg/L	0.05	SM4110C	25-May-18/O	< 0.05	0.06	< 0.05	< 0.05
Sulphate	mg/L	1	SM4110C	25-May-18/O	312	441	48	3
BOD(5 day)	mg/L	2	SM 5210B	24-May-18/K	4	12	< 2	3
Total Suspended Solids	mg/L	3	SM2540D	25-May-18/K	20	1800	380	61000
Phosphorus-Total	mg/L	0.01	E3199A.1	30-May-18/K	0.04	1.48	0.29	4.96
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	30-May-18/K	4.0	6.4	0.3	0.9
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	28-May-18/K	1.94	1.46	0.11	0.19
Total Dissolved Solids	mg/L	3	SM 2540D	31-May-18/O	1090	1200	1160	340
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	30-May-18/O	42.6	44.9	3.0	8.4
Phenolics	mg/L	0.001	MOEE 3179	30-May-18/O	< 0.001	< 0.001	< 0.001	< 0.001
COD	mg/L	5	SM 5220D	30-May-18/O	102	258	< 5	31
Hardness (as CaCO3)	mg/L	1	SM 3120	05-Jun-18/O	988	1010	922	330
Aluminum	mg/L	0.01	SM 3120	05-Jun-18/O	0.12	0.10	0.09	0.03
Arsenic	mg/L	0.0001	EPA 200.8	31-May-18/O	0.0012	0.0011	0.0060	0.0004
Barium	mg/L	0.001	SM 3120	05-Jun-18/O	0.245	0.252	0.577	0.961
Boron	mg/L	0.005	SM 3120	05-Jun-18/O	1.08	1.18	0.041	0.199
Cadmium	mg/L	0.000015	EPA 200.8	31-May-18/O	< 0.000015	0.000055	< 0.000015	< 0.000015
Calcium	mg/L	0.02	SM 3120	05-Jun-18/O	275	275	196	47.3
Chromium	mg/L	0.001	EPA 200.8	31-May-18/O	0.001	< 0.001	< 0.001	< 0.001
Cobalt	mg/L	0.0001	EPA 200.8	31-May-18/O	0.0075	0.0066	0.0032	0.0001
Copper	mg/L	0.0001	EPA 200.8	31-May-18/O	0.0011	0.0018	0.0006	< 0.0001
Iron	mg/L	0.005	SM 3120	05-Jun-18/O	0.044	0.485	6.55	0.242



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Michelle Dubien  
Lab Manager

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C.O.C.: G72597

REPORT No. B18-14166 (i)

Rev. 2

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**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: 23-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.	18-W005	18-W006	18-W007	18-W008
					Sample I.D.	18-W005	18-W006	18-W007	18-W008
Date Collected					23-May-18	23-May-18	23-May-18	23-May-18	23-May-18
Lead	mg/L	0.00002	EPA 200.8	31-May-18/O	0.00007	0.00005	0.00008	< 0.00002	
Magnesium	mg/L	0.02	SM 3120	05-Jun-18/O	73.0	77.5	105	51.5	
Manganese	mg/L	0.001	SM 3120	05-Jun-18/O	11.5	11.1	1.09	0.028	
Mercury	mg/L	0.00002	SM 3112 B	01-Jun-18/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002	
Potassium	mg/L	0.1	SM 3120	05-Jun-18/O	9.7	10.0	2.1	3.2	
Silver	mg/L	0.0001	EPA 200.8	31-May-18/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001	
Sodium	mg/L	0.2	SM 3120	05-Jun-18/O	125	130	133	33.0	
Strontium	mg/L	0.001	SM 3120	05-Jun-18/O	1.87	1.83	1.07	1.33	
Vanadium	mg/L	0.005	SM 3120	05-Jun-18/O	0.017	0.017	< 0.005	< 0.005	
Uranium	mg/L	0.00005	EPA 200.8	31-May-18/O	0.00212	0.00252	0.00173	< 0.00005	
Zinc	mg/L	0.005	SM 3120	05-Jun-18/O	0.007	< 0.005	< 0.005	< 0.005	

1. elevated detection limit due to high sulphate



Michelle Dubien  
Lab Manager

R.L. = Reporting Limit

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SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W010	18-W011		
<b>Sample I.D.</b>	B18-14166-9	B18-14166-10		
<b>Date Collected</b>	23-May-18	23-May-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	30-May-18/O	258	529		
pH @25°C	pH Units		SM 4500H	30-May-18/O	8.13	7.93		
Conductivity @25°C	µmho/cm	1	SM 2510B	30-May-18/O	547	1860		
Chloride	mg/L	0.5	SM4110C	25-May-18/O	5.8	293		
Nitrite (N)	mg/L	0.05	SM4110C	25-May-18/O	< 0.05	< 0.05		
Nitrate (N)	mg/L	0.05	SM4110C	25-May-18/O	< 0.05	0.07		
Sulphate	mg/L	1	SM4110C	25-May-18/O	37	107		
BOD(5 day)	mg/L	2	SM 5210B	24-May-18/K	< 2	3		
Total Suspended Solids	mg/L	3	SM2540D	25-May-18/K	510	46000		
Phosphorus-Total	mg/L	0.01	E3199A.1	30-May-18/K	0.06	11.2		
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	30-May-18/K	0.1	1.6		
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	28-May-18/K	0.06	0.12		
Total Dissolved Solids	mg/L	3	SM 2540D	31-May-18/O	283	1020		
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	30-May-18/O	3.6	4.2		
Phenolics	mg/L	0.001	MOEE 3179	30-May-18/O	< 0.001	< 0.001		
COD	mg/L	5	SM 5220D	30-May-18/O	5	18		
Hardness (as CaCO3)	mg/L	1	SM 3120	05-Jun-18/O	281	918		
Aluminum	mg/L	0.01	SM 3120	05-Jun-18/O	0.05	0.10		
Arsenic	mg/L	0.0001	EPA 200.8	31-May-18/O	0.0001	0.0002		
Barium	mg/L	0.001	SM 3120	05-Jun-18/O	0.311	0.259		
Boron	mg/L	0.005	SM 3120	05-Jun-18/O	0.101	0.142		
Cadmium	mg/L	0.000015	EPA 200.8	31-May-18/O	< 0.000015	< 0.000015		
Calcium	mg/L	0.02	SM 3120	05-Jun-18/O	65.3	201		
Chromium	mg/L	0.001	EPA 200.8	31-May-18/O	< 0.001	< 0.001		
Cobalt	mg/L	0.0001	EPA 200.8	31-May-18/O	0.0001	0.0012		
Copper	mg/L	0.0001	EPA 200.8	31-May-18/O	< 0.0001	0.0007		



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Michelle Dubien  
 Lab Manager

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DATE RECEIVED: 23-May-18

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DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W010	18-W011		
<b>Sample I.D.</b>	B18-14166-9	B18-14166-10		
<b>Date Collected</b>	23-May-18	23-May-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Iron	mg/L	0.005	SM 3120	05-Jun-18/O	0.372	0.017		
Lead	mg/L	0.00002	EPA 200.8	31-May-18/O	< 0.00002	0.00006		
Magnesium	mg/L	0.02	SM 3120	05-Jun-18/O	28.7	101		
Manganese	mg/L	0.001	SM 3120	05-Jun-18/O	0.072	0.141		
Mercury	mg/L	0.00002	SM 3112 B	01-Jun-18/O	< 0.00002	< 0.00002		
Potassium	mg/L	0.1	SM 3120	05-Jun-18/O	1.6	2.8		
Silver	mg/L	0.0001	EPA 200.8	31-May-18/O	< 0.0001	< 0.0001		
Sodium	mg/L	0.2	SM 3120	05-Jun-18/O	14.2	57.9		
Strontium	mg/L	0.001	SM 3120	05-Jun-18/O	0.683	0.806		
Vanadium	mg/L	0.005	SM 3120	05-Jun-18/O	< 0.005	< 0.005		
Uranium	mg/L	0.00005	EPA 200.8	31-May-18/O	0.00013	0.00373		
Zinc	mg/L	0.005	SM 3120	05-Jun-18/O	< 0.005	< 0.005		

1 elevated detection limit due to high sulphate



Michelle Dubien  
 Lab Manager

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**REPORT No. B18-14166 (ii)**

**Rev. 2**

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**Attention:** Mallory Wright

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DATE RECEIVED: 23-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.	18-W001	18-W002	18-W003	18-W004
					Sample I.D.	23-May-18	23-May-18	23-May-18	23-May-18
Acetone	µg/L	2	EPA 8260	26-May-18/O	B18-14166-1	< 2	< 2	< 2	< 2
Benzene	µg/L	0.5	EPA 8260	26-May-18/O	B18-14166-2	< 0.5	< 0.5	< 0.5	< 0.5
Bromobenzene	µg/L	0.1	EPA 8260	26-May-18/O	B18-14166-3	< 0.1	< 0.1	< 0.1	< 0.1
Bromodichloromethane	µg/L	0.1	EPA 8260	26-May-18/O	B18-14166-4	< 0.1	< 0.1	< 0.1	< 0.1
Bromoform	µg/L	0.1	EPA 8260	26-May-18/O		< 0.1	< 0.1	< 0.1	< 0.1
Bromomethane	µg/L	0.3	EPA 8260	26-May-18/O		< 0.3	< 0.3	< 0.3	< 0.3
Carbon Tetrachloride	µg/L	0.2	EPA 8260	26-May-18/O		< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	µg/L	0.1	EPA 8260	26-May-18/O		< 0.1	< 0.1	< 0.1	< 0.1
Chloroform	µg/L	0.3	EPA 8260	26-May-18/O		< 0.3	< 0.3	< 0.3	4.6
Chloromethane	µg/L	0.3	EPA 8260	26-May-18/O		< 0.3	< 0.3	< 0.3	< 0.3
Chlorotoluene,2-	µg/L	0.2	EPA 8260	26-May-18/O		< 0.2	< 0.2	< 0.2	< 0.2
Chlorotoluene,4-	µg/L	0.2	EPA 8260	26-May-18/O		< 0.2	< 0.2	< 0.2	< 0.2
Dibromo-3-Chloropropane, 1,2-	µg/L	1	EPA 8260	26-May-18/O		< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	0.1	EPA 8260	26-May-18/O		< 0.1	< 0.1	< 0.1	< 0.1
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.1	EPA 8260	26-May-18/O		< 0.1	< 0.1	< 0.1	< 0.1
Dibromomethane	µg/L	1	EPA 8260	26-May-18/O		< 1	< 1	< 1	< 1
Dichlorobenzene,1,2-	µg/L	0.1	EPA 8260	26-May-18/O		< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzene,1,3-	µg/L	0.1	EPA 8260	26-May-18/O		< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzene,1,4-	µg/L	0.2	EPA 8260	26-May-18/O		< 0.2	< 0.2	< 0.2	< 0.2
Dichlorodifluoromethane	µg/L	1	EPA 8260	26-May-18/O		< 1	< 1	< 1	< 1
Dichloroethane,1,1-	µg/L	0.1	EPA 8260	26-May-18/O		< 0.1	< 0.1	< 0.1	< 0.1
Dichloroethane,1,2-	µg/L	0.1	EPA 8260	26-May-18/O		< 0.1	< 0.1	< 0.1	< 0.1
Dichloroethene, 1,1-	µg/L	0.1	EPA 8260	26-May-18/O		< 0.1	< 0.1	< 0.1	< 0.1
Dichloroethene, cis-1,2-	µg/L	0.1	EPA 8260	26-May-18/O		< 0.1	< 0.1	< 0.1	< 0.1
Dichloroethene, trans-1,2-	µg/L	0.1	EPA 8260	26-May-18/O		< 0.1	< 0.1	< 0.1	< 0.1



R.L. = Reporting Limit

Test methods are 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.: G72597**

**REPORT No. B18-14166 (ii)**

**Rev. 2**

**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: 23-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	18-W001	18-W002	18-W003	18-W004
Sample I.D.	B18-14166-1	B18-14166-2	B18-14166-3	B18-14166-4
Date Collected	23-May-18	23-May-18	23-May-18	23-May-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Dichloromethane (Methylene Chloride)	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3	< 0.3	< 0.3	< 0.3
Dichloropropane,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropane,1,3-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropane,2,2-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropene, cis-1,3-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropene, trans-1,3-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropene 1,3-cis+trans	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropene,1,1-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5	< 0.5	< 0.5
Hexachlorobutadiene	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Hexane	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Isopropylbenzene	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Isopropyltoluene,4-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4	< 0.4	< 0.4
Methyl Butyl Ketone	µg/L	10	EPA 8260	26-May-18/O	< 10	< 10	< 10	< 10
Methyl Ethyl Ketone	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Methyl Isobutyl Ketone	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Methyl-t-butyl Ether	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Monochlorobenzene (Chlorobenzene)	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Naphthalene	µg/L	0.7	EPA 8260	26-May-18/O	< 0.7	< 0.7	< 0.7	< 0.7
n-Butylbenzene	µg/L	0.7	EPA 8260	26-May-18/O	< 0.7	< 0.7	< 0.7	< 0.7
n-Propylbenzene	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4	< 0.4	< 0.4
sec-Butylbenzene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5	< 0.5	< 0.5
Styrene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butylbenzene	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethane,1,1,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1



R.L. = Reporting Limit

Test methods are 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.: G72597

REPORT No. B18-14166 (ii)

Rev. 2

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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: 23-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	18-W001	18-W002	18-W003	18-W004
Sample I.D.	B18-14166-1	B18-14166-2	B18-14166-3	B18-14166-4
Date Collected	23-May-18	23-May-18	23-May-18	23-May-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Tetrachloroethane, 1,1,2,2-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4	< 0.4	< 0.4
Tetrachloroethylene	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Toluene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorobenzene, 1,2,3-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Trichlorobenzene, 1,2,4-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Trichloroethane, 1,1,1-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Trichloroethane, 1,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Trichloroethylene	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Trichloropropane, 1,2,3-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Trimethylbenzene, 1,2,4-	µg/L	2	EPA 8260	26-May-18/O	< 2	< 2	< 2	< 2
Trimethylbenzene, 1,3,5-	µg/L	0.6	EPA 8260	26-May-18/O	< 0.6	< 0.6	< 0.6	< 0.6
Vinyl Chloride	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Xylene, m,p-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4	< 0.4	< 0.4
Xylene, m,p,o-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4	< 0.4	< 0.4
Xylene, o-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1

1 Revised to provide additional VOCs



R.L. = Reporting Limit

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 Lab Manager

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**Attention:** Mallory Wright

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Kingston Ontario K7K 6Z1  
Tel: 613-544-2001  
Fax: 613-544-2770

DATE RECEIVED: 23-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	18-W005	18-W006	18-W007	18-W008
Sample I.D.	B18-14166-5	B18-14166-6	B18-14166-7	B18-14166-8
Date Collected	23-May-18	23-May-18	23-May-18	23-May-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Acetone	µg/L	2	EPA 8260	26-May-18/O	< 2	< 2	< 2	< 2
Benzene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5	< 0.5	< 0.5
Bromobenzene	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Bromodichloromethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Bromoform	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Bromomethane	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3	< 0.3	< 0.3	< 0.3
Carbon Tetrachloride	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Chloroform	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3	< 0.3	< 0.3	< 0.3
Chloromethane	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3	< 0.3	< 0.3	< 0.3
Chlorotoluene,2-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Chlorotoluene,4-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Dibromo-3-Chloropropane, 1,2-	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dibromomethane	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Dichlorobenzene,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzene,1,3-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzene,1,4-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorodifluoromethane	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Dichloroethane,1,1-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloroethane,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloroethene, 1,1-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloroethene, cis-1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloroethene, trans-1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1



R.L. = Reporting Limit

Test methods are 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.: G72597**

**REPORT No. B18-14166 (ii)**

**Rev. 2**

**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: 23-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Parameter	Units	R.L.	Client I.D.		18-W005	18-W006	18-W007	18-W008
			Reference Method	Date/Site Analyzed	B18-14166-5	B18-14166-6	B18-14166-7	B18-14166-8
			Date Collected		23-May-18	23-May-18	23-May-18	23-May-18
Dichloromethane (Methylene Chloride)	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3	< 0.3	< 0.3	< 0.3
Dichloropropane,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropane,1,3-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropane,2,2-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropene, cis-1,3-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropene, trans-1,3-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropene 1,3-cis+trans	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropene,1,1-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5	< 0.5	< 0.5
Hexachlorobutadiene	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Hexane	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Isopropylbenzene	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Isopropyltoluene,4-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4	< 0.4	< 0.4
Methyl Butyl Ketone	µg/L	10	EPA 8260	26-May-18/O	< 10	< 10	< 10	< 10
Methyl Ethyl Ketone	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Methyl Isobutyl Ketone	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Methyl-t-butyl Ether	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Monochlorobenzene (Chlorobenzene)	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Naphthalene	µg/L	0.7	EPA 8260	26-May-18/O	< 0.7	< 0.7	< 0.7	< 0.7
n-Butylbenzene	µg/L	0.7	EPA 8260	26-May-18/O	< 0.7	< 0.7	< 0.7	< 0.7
n-Propylbenzene	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4	< 0.4	< 0.4
sec-Butylbenzene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5	< 0.5	< 0.5
Styrene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butylbenzene	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethane,1,1,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1



R.L. = Reporting Limit

Test methods are 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.: G72597

REPORT No. B18-14166 (ii)

Rev. 2

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**Attention:** Mallory Wright

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285 Dalton Ave  
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 Tel: 613-544-2001  
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DATE RECEIVED: 23-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	18-W005	18-W006	18-W007	18-W008
Sample I.D.	B18-14166-5	B18-14166-6	B18-14166-7	B18-14166-8
Date Collected	23-May-18	23-May-18	23-May-18	23-May-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Tetrachloroethane,1,1,2,2-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4	< 0.4	< 0.4
Tetrachloroethylene	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Toluene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorobenzene,1,2,3-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Trichlorobenzene,1,2,4-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Trichloroethane,1,1,1-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Trichloroethane,1,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Trichloroethylene	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Trichloropropane,1,2,3-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Trimethylbenzene,1,2,4-	µg/L	2	EPA 8260	26-May-18/O	< 2	< 2	< 2	< 2
Trimethylbenzene,1,3,5-	µg/L	0.6	EPA 8260	26-May-18/O	< 0.6	< 0.6	< 0.6	< 0.6
Vinyl Chloride	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Xylene, m,p-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4	< 0.4	< 0.4
Xylene, m,p,o-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4	< 0.4	< 0.4
Xylene, o-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1

1 Revised to provide additional VOCs



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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JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W010	18-W011		
<b>Sample I.D.</b>	B18-14166-9	B18-14166-10		
<b>Date Collected</b>	23-May-18	23-May-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Acetone	µg/L	2	EPA 8260	26-May-18/O	< 2	< 2		
Benzene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5		
Bromobenzene	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Bromodichloromethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Bromoform	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Bromomethane	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3	< 0.3		
Carbon Tetrachloride	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2		
Chloroethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Chloroform	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3	< 0.3		
Chloromethane	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3	< 0.3		
Chlorotoluene,2-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2		
Chlorotoluene,4-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2		
Dibromo-3-Chloropropane, 1,2-	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1		
Dibromochloromethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Dibromoethane, 1,2- (Ethylene Dibromide)	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Dibromomethane	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1		
Dichlorobenzene, 1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Dichlorobenzene, 1,3-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Dichlorobenzene, 1,4-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2		
Dichlorodifluoromethane	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1		
Dichloroethane, 1,1-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Dichloroethane, 1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Dichloroethene, 1,1-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Dichloroethene, cis-1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Dichloroethene, trans-1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		



R.L. = Reporting Limit

Test methods are 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 Caduceon Environmental Laboratories.



C.O.C.: G72597

REPORT No. B18-14166 (ii)

Rev. 2

**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: 23-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W010	18-W011		
<b>Sample I.D.</b>	B18-14166-9	B18-14166-10		
<b>Date Collected</b>	23-May-18	23-May-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Dichloromethane (Methylene Chloride)	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3	< 0.3		
Dichloropropane,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Dichloropropane,1,3-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2		
Dichloropropane,2,2-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2		
Dichloropropene, cis-1,3-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Dichloropropene, trans-1,3-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Dichloropropene 1,3-cis+trans	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Dichloropropene,1,1-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2		
Ethylbenzene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5		
Hexachlorobutadiene	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1		
Hexane	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1		
Isopropylbenzene	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2		
Isopropyltoluene,4-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4		
Methyl Butyl Ketone	µg/L	10	EPA 8260	26-May-18/O	< 10	< 10		
Methyl Ethyl Ketone	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1		
Methyl Isobutyl Ketone	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1		
Methyl-t-butyl Ether	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1		
Monochlorobenzene (Chlorobenzene)	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2		
Naphthalene	µg/L	0.7	EPA 8260	26-May-18/O	< 0.7	< 0.7		
n-Butylbenzene	µg/L	0.7	EPA 8260	26-May-18/O	< 0.7	< 0.7		
n-Propylbenzene	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4		
sec-Butylbenzene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5		
Styrene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5		
tert-Butylbenzene	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		



R.L. = Reporting Limit

Test methods are 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.: G72597

REPORT No. B18-14166 (ii)

Rev. 2

**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: 23-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W010	18-W011		
<b>Sample I.D.</b>	B18-14166-9	B18-14166-10		
<b>Date Collected</b>	23-May-18	23-May-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Tetrachloroethane,1,1,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Tetrachloroethane,1,1,2,2-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4		
Tetrachloroethylene	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2		
Toluene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5		
Trichlorobenzene,1,2,3-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2		
Trichlorobenzene,1,2,4-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2		
Trichloroethane,1,1,1-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Trichloroethane,1,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Trichloroethylene	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Trichlorofluoromethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		
Trichloropropane,1,2,3-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2		
Trimethylbenzene,1,2,4-	µg/L	2	EPA 8260	26-May-18/O	< 2	< 2		
Trimethylbenzene,1,3,5-	µg/L	0.6	EPA 8260	26-May-18/O	< 0.6	< 0.6		
Vinyl Chloride	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2		
Xylene, m,p-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4		
Xylene, m,p,o-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4		
Xylene, o-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1		

1. Revised to provide additional VOCs



R.L. = Reporting Limit

Test methods are 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.: G72601

REPORT No. B18-14171

Rev. 1

**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: 23-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

<b>Client I.D.</b>	18-W009		
<b>Sample I.D.</b>	B18-14171-1		
<b>Date Collected</b>	23-May-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	31-May-18/O	78		
pH @25°C	pH Units		SM 4500H	31-May-18/O	7.93		
Conductivity @25°C	µS/cm	1	SM 2510B	31-May-18/O	145		
Chloride	mg/L	0.5	SM4110C	26-May-18/O	0.7		
Nitrite (N)	mg/L	0.05	SM4110C	26-May-18/O	< 0.05		
Nitrate (N)	mg/L	0.05	SM4110C	26-May-18/O	< 0.05		
Sulphate	mg/L	1	SM4110C	26-May-18/O	< 1		
BOD(5 day)	mg/L	2	SM 5210B	24-May-18/K	5		
Total Suspended Solids	mg/L	3	SM2540D	25-May-18/K	12		
o-Phosphate (P)	mg/L	0.01	PE4500-S	24-May-18/K	0.02		
Phosphorus-Total	mg/L	0.01	E3199A.1	29-May-18/K	0.16		
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	29-May-18/K	1.5		
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	28-May-18/K	0.08		
Ammonia (N)-unionized	mg/L	0.01	CALC	28-May-18/K	< 0.01		
Total Dissolved Solids	mg/L	3	SM 2540D	01-Jun-18/O	74		
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	30-May-18/O	19.1		
Phenolics	mg/L	0.001	MOEE 3179	30-May-18/O	< 0.001		
COD	mg/L	5	SM 5220D	30-May-18/O	58		
Hardness (as CaCO3)	mg/L	1	SM 3120	05-Jun-18/O	94		
Aluminum	mg/L	0.01	SM 3120	06-Jun-18/O	0.04		
Arsenic	mg/L	0.0001	EPA 200.8	28-May-18/O	0.0006		
Barium	mg/L	0.001	SM 3120	05-Jun-18/O	0.043		
Boron	mg/L	0.005	SM 3120	05-Jun-18/O	< 0.005		
Cadmium	mg/L	0.000015	EPA 200.8	28-May-18/O	< 0.000015		
Calcium	mg/L	0.02	SM 3120	05-Jun-18/O	15.1		
Chromium	mg/L	0.001	EPA 200.8	28-May-18/O	0.001		
Cobalt	mg/L	0.0001	EPA 200.8	28-May-18/O	0.0005		



R.L. = Reporting Limit

Test methods are 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 Caduceon Environmental Laboratories.

C.O.C.: G72601

REPORT No. B18-14171

Rev. 1

**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: 23-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

<b>Client I.D.</b>	18-W009		
<b>Sample I.D.</b>	B18-14171-1		
<b>Date Collected</b>	23-May-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Copper	mg/L	0.0001	EPA 200.8	28-May-18/O	0.0013		
Iron	mg/L	0.005	SM 3120	05-Jun-18/O	1.43		
Lead	mg/L	0.00002	EPA 200.8	28-May-18/O	0.00037		
Magnesium	mg/L	0.02	SM 3120	05-Jun-18/O	13.8		
Manganese	mg/L	0.001	SM 3120	05-Jun-18/O	0.021		
Mercury	mg/L	0.00002	SM 3112 B	31-May-18/O	< 0.00002		
Nickel	mg/L	0.0002	EPA 200.8	28-May-18/O	0.0019		
Potassium	mg/L	0.1	SM 3120	05-Jun-18/O	1.0		
Silver	mg/L	0.0001	EPA 200.8	28-May-18/O	< 0.0001		
Sodium	mg/L	0.2	SM 3120	05-Jun-18/O	7.1		
Strontium	mg/L	0.001	SM 3120	05-Jun-18/O	0.193		
Vanadium	mg/L	0.005	SM 3120	05-Jun-18/O	< 0.005		
Zinc	mg/L	0.005	SM 3120	05-Jun-18/O	0.025		

1 Revised to convert reporting units for metals to mg/L



Michelle Dubien  
 Lab Manager

R.L. = Reporting Limit

Test methods are 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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C.O.C.: G78354

REPORT No. B18-14358 (i)

Rev. 2

**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: 25-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER: Lansdowne

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	18-W015	18-W016	18-W017	18-W018
Sample I.D.	B18-14358-1	B18-14358-2	B18-14358-3	B18-14358-4
Date Collected	24-May-18	24-May-18	24-May-18	24-May-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	31-May-18/O	384	814	503	367
pH @25°C	pH Units		SM 4500H	31-May-18/O	7.94	7.57	7.87	8.05
Conductivity @25°C	µmho/cm	1	SM 2510B	31-May-18/O	770	1530	914	1140
Chloride	mg/L	0.5	SM4110C	28-May-18/O	2.5	21.1	13.9	149
Nitrite (N)	mg/L	0.05	SM4110C	28-May-18/O	< 0.05	< 0.05	< 0.05	< 0.05
Nitrate (N)	mg/L	0.05	SM4110C	28-May-18/O	10.1	0.06	< 0.05	0.08
Sulphate	mg/L	1	SM4110C	28-May-18/O	8	40	13	37
BOD(5 day)	mg/L	2	SM 5210B	25-May-18/K	< 2	5	< 2	2
Total Suspended Solids	mg/L	3	SM2540D	25-May-18/K	3700	8600	14	25400
Phosphorus-Total	mg/L	0.01	E3199A.1	30-May-18/K	1.80	4.73	0.15	0.04
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	30-May-18/K	0.5	10.4	0.5	0.3
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	30-May-18/K	0.02	7.98	0.22	0.02
Total Dissolved Solids	mg/L	3	SM 2540D	01-Jun-18/O	403	835	485	613
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	31-May-18/O	2.3	14.9	7.2	3.4
Phenolics	mg/L	0.001	MOEE 3179	31-May-18/O	< 0.001	< 0.001	< 0.001	< 0.001
COD	mg/L	5	SM 5220D	31-May-18/O	26	77	14	5
Hardness (as CaCO3)	mg/L	1	SM 3120	06-Jun-18/O	432	800	501	564
Aluminum	mg/L	0.01	SM 3120	06-Jun-18/O	0.05	0.10	0.06	0.06
Arsenic	mg/L	0.0001	EPA 200.8	31-May-18/O	< 0.0001	0.0105	0.0007	0.0002
Barium	mg/L	0.001	SM 3120	06-Jun-18/O	0.143	0.704	0.409	0.247
Boron	mg/L	0.005	SM 3120	06-Jun-18/O	0.009	0.648	0.170	0.037
Cadmium	mg/L	0.00015	EPA 200.8	31-May-18/O	0.000176	< 0.000015	< 0.000015	< 0.000015
Calcium	mg/L	0.02	SM 3120	06-Jun-18/O	99.4	199	108	109
Chromium	mg/L	0.001	EPA 200.8	31-May-18/O	0.002	< 0.001	< 0.001	< 0.001
Cobalt	mg/L	0.0001	EPA 200.8	31-May-18/O	0.0032	0.0097	0.0006	< 0.0001
Copper	mg/L	0.0001	EPA 200.8	31-May-18/O	0.0006	< 0.0001	0.0001	0.0004
Iron	mg/L	0.005	SM 3120	06-Jun-18/O	< 0.005	13.8	2.13	< 0.005



R.L. = Reporting Limit

Test methods are 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 Caduceon Environmental Laboratories.

**C.O.C.: G78354**

**REPORT No. B18-14358 (i)**

**Rev. 2**

**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: 25-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER: Lansdowne

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W015	18-W016	18-W017	18-W018
<b>Sample I.D.</b>	B18-14358-1	B18-14358-2	B18-14358-3	B18-14358-4
<b>Date Collected</b>	24-May-18	24-May-18	24-May-18	24-May-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Lead	mg/L	0.00002	EPA 200.8	31-May-18/O	< 0.00002	< 0.00002	0.00005	< 0.00002
Magnesium	mg/L	0.02	SM 3120	06-Jun-18/O	44.6	73.7	56.1	71.0
Manganese	mg/L	0.001	SM 3120	06-Jun-18/O	0.001	0.103	0.146	0.028
Mercury	mg/L	0.00002	SM 3112 B	05-Jun-18/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Potassium	mg/L	0.1	SM 3120	06-Jun-18/O	1.0	20.7	2.6	1.9
Silver	mg/L	0.0001	EPA 200.8	31-May-18/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	06-Jun-18/O	14.7	56.4	28.1	34.6
Strontium	mg/L	0.001	SM 3120	06-Jun-18/O	0.415	1.04	0.967	0.738
Uranium	mg/L	0.00005	EPA 200.8	31-May-18/O	0.00160	0.00057	0.00085	0.00343
Vanadium	mg/L	0.005	SM 3120	06-Jun-18/O	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	0.005	SM 3120	06-Jun-18/O	< 0.005	< 0.005	< 0.005	< 0.005



Michelle Dubien  
 Lab Manager

R.L. = Reporting Limit

Test methods are 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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**C.O.C.: G78354**

**REPORT No. B18-14358 (i)**

**Rev. 2**

**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: 25-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER: Lansdowne

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	18-W019	18-W020	18-W021	18-W022
Sample I.D.	B18-14358-5	B18-14358-6	B18-14358-7	B18-14358-8
Date Collected	24-May-18	24-May-18	24-May-18	24-May-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	31-May-18/O	363	422	483	278
pH @25°C	pH Units		SM 4500H	31-May-18/O	8.08	7.86	7.78	8.16
Conductivity @25°C	µmho/cm	1	SM 2510B	31-May-18/O	1130	1340	1340	684
Chloride	mg/L	0.5	SM4110C	28-May-18/O	145	162	100	2.6
Nitrite (N)	mg/L	0.05	SM4110C	28-May-18/O	< 0.05	< 0.05	0.05	0.06
Nitrate (N)	mg/L	0.05	SM4110C	28-May-18/O	< 0.05	0.88	6.75	18.8
Sulphate	mg/L	1	SM4110C	28-May-18/O	35	57	106	11
BOD(5 day)	mg/L	2	SM 5210B	25-May-18/K	< 2	< 2	3	< 2
Total Suspended Solids	mg/L	3	SM2540D	25-May-18/K	102000	34000	22000	6
Phosphorus-Total	mg/L	0.01	E3199A.1	30-May-18/K	0.02	6.85	23.0	0.05
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	30-May-18/K	0.5	0.7	3.7	0.6
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	30-May-18/K	0.03	0.05	0.15	0.02
Total Dissolved Solids	mg/L	3	SM 2540D	01-Jun-18/O	607	727	727	355
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	31-May-18/O	4.3	6.4	11.1	15.4
Phenolics	mg/L	0.001	MOEE 3179	31-May-18/O	< 0.001	< 0.001	< 0.001	< 0.001
COD	mg/L	5	SM 5220D	31-May-18/O	38	19	78	12
Hardness (as CaCO3)	mg/L	1	SM 3120	06-Jun-18/O	546	628	631	346
Aluminum	mg/L	0.01	SM 3120	06-Jun-18/O	0.08	0.08	0.07	0.05
Arsenic	mg/L	0.0001	EPA 200.8	31-May-18/O	0.0002	0.0002	0.0007	0.0002
Barium	mg/L	0.001	SM 3120	06-Jun-18/O	0.317	0.951	0.174	0.067
Boron	mg/L	0.005	SM 3120	06-Jun-18/O	0.066	0.040	0.047	< 0.005
Cadmium	mg/L	0.000015	EPA 200.8	31-May-18/O	< 0.000015	< 0.000015	< 0.000015	< 0.000015
Calcium	mg/L	0.02	SM 3120	06-Jun-18/O	105	168	162	79.2
Chromium	mg/L	0.001	EPA 200.8	31-May-18/O	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	mg/L	0.0001	EPA 200.8	31-May-18/O	0.0005	0.0005	0.0005	< 0.0001
Copper	mg/L	0.0001	EPA 200.8	31-May-18/O	0.0002	0.0017	0.0050	0.0018
Iron	mg/L	0.005	SM 3120	06-Jun-18/O	0.037	0.420	< 0.005	< 0.005



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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 Caduceon Environmental Laboratories.

**C.O.C.: G78354**

**REPORT No. B18-14358 (i)**

**Rev. 2**

**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: 25-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER: Lansdowne

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W019	18-W020	18-W021	18-W022
<b>Sample I.D.</b>	B18-14358-5	B18-14358-6	B18-14358-7	B18-14358-8
<b>Date Collected</b>	24-May-18	24-May-18	24-May-18	24-May-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
					18-W019	18-W020	18-W021	18-W022
Lead	mg/L	0.00002	EPA 200.8	31-May-18/O	0.00005	0.00004	0.00003	< 0.00002
Magnesium	mg/L	0.02	SM 3120	06-Jun-18/O	69.0	50.5	54.9	36.0
Manganese	mg/L	0.001	SM 3120	06-Jun-18/O	0.173	0.501	0.402	0.003
Mercury	mg/L	0.00002	SM 3112 B	05-Jun-18/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Potassium	mg/L	0.1	SM 3120	06-Jun-18/O	3.1	15.4	4.9	0.9
Silver	mg/L	0.0001	EPA 200.8	31-May-18/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	06-Jun-18/O	35.3	39.4	60.8	17.6
Strontium	mg/L	0.001	SM 3120	06-Jun-18/O	0.882	0.857	0.760	0.368
Uranium	mg/L	0.00005	EPA 200.8	31-May-18/O	0.00282	0.00253	0.00289	0.00158
Vanadium	mg/L	0.005	SM 3120	06-Jun-18/O	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	0.005	SM 3120	06-Jun-18/O	< 0.005	< 0.005	< 0.005	< 0.005



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.: G78354

REPORT No. B18-14358 (i)

Rev. 2

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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: 25-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER: Lansdowne

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W023		
<b>Sample I.D.</b>	B18-14358-9		
<b>Date Collected</b>	24-May-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	31-May-18/O	288		
pH @25°C	pH Units		SM 4500H	31-May-18/O	8.13		
Conductivity @25°C	µmho/cm	1	SM 2510B	31-May-18/O	692		
Chloride	mg/L	0.5	SM4110C	28-May-18/O	2.6		
Nitrite (N)	mg/L	0.05	SM4110C	28-May-18/O	< 0.05		
Nitrate (N)	mg/L	0.05	SM4110C	28-May-18/O	19.0		
Sulphate	mg/L	1	SM4110C	28-May-18/O	11		
BOD(5 day)	mg/L	2	SM 5210B	25-May-18/K	< 2		
Total Suspended Solids	mg/L	3	SM2540D	25-May-18/K	1100		
Phosphorus-Total	mg/L	0.01	E3199A.1	30-May-18/K	1.09		
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	30-May-18/K	2.1		
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	30-May-18/K	0.04		
Total Dissolved Solids	mg/L	3	SM 2540D	01-Jun-18/O	359		
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	31-May-18/O	4.4		
Phenolics	mg/L	0.001	MOEE 3179	31-May-18/O	< 0.001		
COD	mg/L	5	SM 5220D	31-May-18/O	41		
Hardness (as CaCO3)	mg/L	1	SM 3120	06-Jun-18/O	351		
Aluminum	mg/L	0.01	SM 3120	06-Jun-18/O	0.05		
Arsenic	mg/L	0.0001	EPA 200.8	31-May-18/O	0.0002		
Barium	mg/L	0.001	SM 3120	06-Jun-18/O	0.068		
Boron	mg/L	0.005	SM 3120	06-Jun-18/O	< 0.005		
Cadmium	mg/L	0.000015	EPA 200.8	31-May-18/O	< 0.000015		
Calcium	mg/L	0.02	SM 3120	06-Jun-18/O	80.4		
Chromium	mg/L	0.001	EPA 200.8	31-May-18/O	< 0.001		
Cobalt	mg/L	0.0001	EPA 200.8	31-May-18/O	< 0.0001		
Copper	mg/L	0.0001	EPA 200.8	31-May-18/O	0.0018		
Iron	mg/L	0.005	SM 3120	06-Jun-18/O	< 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.: G78354

REPORT No. B18-14358 (i)

Rev. 2

**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: 25-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER: Lansdowne

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W023			
<b>Sample I.D.</b>	B18-14358-9			
<b>Date Collected</b>	24-May-18			

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Lead	mg/L	0.00002	EPA 200.8	31-May-18/O	< 0.00002		
Magnesium	mg/L	0.02	SM 3120	06-Jun-18/O	36.4		
Manganese	mg/L	0.001	SM 3120	06-Jun-18/O	0.003		
Mercury	mg/L	0.00002	SM 3112 B	05-Jun-18/O	< 0.00002		
Potassium	mg/L	0.1	SM 3120	06-Jun-18/O	1.0		
Silver	mg/L	0.0001	EPA 200.8	31-May-18/O	< 0.0001		
Sodium	mg/L	0.2	SM 3120	06-Jun-18/O	17.8		
Strontium	mg/L	0.001	SM 3120	06-Jun-18/O	0.375		
Uranium	mg/L	0.00005	EPA 200.8	31-May-18/O	0.00154		
Vanadium	mg/L	0.005	SM 3120	06-Jun-18/O	< 0.005		
Zinc	mg/L	0.005	SM 3120	06-Jun-18/O	< 0.005		



Michelle Dubien  
 Lab Manager

R.L. = Reporting Limit

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C.O.C.: G78354

REPORT No. B18-14358 (ii)

Rev. 2

**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: 25-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER: Lansdowne

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	18-W015	18-W016	18-W017	18-W018
Sample I.D.	B18-14358-1	B18-14358-2	B18-14358-3	B18-14358-4
Date Collected	24-May-18	24-May-18	24-May-18	24-May-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Acetone	µg/L	2	EPA 8260	26-May-18/O	< 2	< 2	< 2	< 2
Benzene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5	< 0.5	< 0.5
Bromobenzene	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Bromodichloromethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Bromoform	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Bromomethane	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3	< 0.3	< 0.3	< 0.3
Carbon Tetrachloride	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Chloroform	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3	< 0.3	< 0.3	< 0.3
Chloromethane	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3	< 0.3	< 0.3	< 0.3
Chlorotoluene,2-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Chlorotoluene,4-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Dibromo-3-Chloropropane, 1,2-	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dibromomethane	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Dichlorobenzene,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzene,1,3-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzene,1,4-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorodifluoromethane	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Dichloroethane,1,1-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloroethane,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloroethene, 1,1-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloroethene, cis-1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloroethene, trans-1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1



R.L. = Reporting Limit

Test methods are 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.: G78354**

**REPORT No. B18-14358 (ii)**

**Rev. 2**

**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: 25-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER: Lansdowne

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Parameter	Units	R.L.	Client I.D.		18-W015	18-W016	18-W017	18-W018
			Reference Method	Date/Site Analyzed	B18-14358-1	B18-14358-2	B18-14358-3	B18-14358-4
			Date Collected		24-May-18	24-May-18	24-May-18	24-May-18
Dichloromethane (Methylene Chloride)	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3	< 0.3	< 0.3	< 0.3
Dichloropropane,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropane,1,3-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropane,2,2-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropene 1,3-cis+trans	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropene, cis-1,3-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropene, trans-1,3-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropene,1,1-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5	< 0.5	< 0.5
Hexachlorobutadiene	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Hexane	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Isopropylbenzene	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Isopropyltoluene,4-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4	< 0.4	< 0.4
Methyl Butyl Ketone	µg/L	10	EPA 8260	26-May-18/O	< 10	< 10	< 10	< 10
Methyl Ethyl Ketone	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Methyl Isobutyl Ketone	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Methyl-t-butyl Ether	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Monochlorobenzene (Chlorobenzene)	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Naphthalene	µg/L	0.7	EPA 8260	26-May-18/O	< 0.7	< 0.7	< 0.7	< 0.7
n-Butylbenzene	µg/L	0.7	EPA 8260	26-May-18/O	< 0.7	< 0.7	< 0.7	< 0.7
n-Propylbenzene	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4	< 0.4	< 0.4
sec-Butylbenzene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5	< 0.5	< 0.5
Styrene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butylbenzene	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethane,1,1,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1



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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.: G78354

REPORT No. B18-14358 (ii)

Rev. 2

**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: 25-May-18  
 DATE REPORTED: 28-Jan-19  
 SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1037  
 P.O. NUMBER: Lansdowne  
 WATERWORKS NO.

<b>Client I.D.</b>	18-W015	18-W016	18-W017	18-W018
<b>Sample I.D.</b>	B18-14358-1	B18-14358-2	B18-14358-3	B18-14358-4
<b>Date Collected</b>	24-May-18	24-May-18	24-May-18	24-May-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Tetrachloroethane,1,1,2,2-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4	< 0.4	< 0.4
Tetrachloroethylene	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Toluene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorobenzene,1,2,3-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Trichlorobenzene,1,2,4-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Trichloroethane,1,1,1-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Trichloroethane,1,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Trichloroethylene	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Trichloropropane,1,2,3-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Trimethylbenzene,1,2,4-	µg/L	2	EPA 8260	26-May-18/O	< 2	< 2	< 2	< 2
Trimethylbenzene,1,3,5-	µg/L	0.6	EPA 8260	26-May-18/O	< 0.6	< 0.6	< 0.6	< 0.6
Vinyl Chloride	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Xylene, m,p-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4	< 0.4	< 0.4
Xylene, m,p,o-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4	< 0.4	< 0.4
Xylene, o-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1

1 Revised to include additional VOCs



R.L. = Reporting Limit

Test methods are 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.: G78354

REPORT No. B18-14358 (ii)

Rev. 2

**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: 25-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER: Lansdowne

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	18-W019	18-W020	18-W021	18-W022
Sample I.D.	B18-14358-5	B18-14358-6	B18-14358-7	B18-14358-8
Date Collected	24-May-18	24-May-18	24-May-18	24-May-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
					18-W019	18-W020	18-W021	18-W022
Acetone	µg/L	2	EPA 8260	26-May-18/O	< 2	< 2	< 2	< 2
Benzene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5	< 0.5	< 0.5
Bromobenzene	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Bromodichloromethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Bromoform	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Bromomethane	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3	< 0.3	< 0.3	< 0.3
Carbon Tetrachloride	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Chloroform	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3	< 0.3	< 0.3	< 0.3
Chloromethane	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3	< 0.3	< 0.3	< 0.3
Chlorotoluene,2-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Chlorotoluene,4-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Dibromo-3-Chloropropane, 1,2-	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dibromomethane	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Dichlorobenzene,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzene,1,3-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzene,1,4-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorodifluoromethane	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Dichloroethane,1,1-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloroethane,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloroethene, 1,1-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloroethene, cis-1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloroethene, trans-1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1



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.: G78354

REPORT No. B18-14358 (ii)

Rev. 2

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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: 25-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER: Lansdowne

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Parameter	Units	R.L.	Client I.D.		18-W019	18-W020	18-W021	18-W022
			Reference Method	Date/Site Analyzed	B18-14358-5	B18-14358-6	B18-14358-7	B18-14358-8
			Date Collected		24-May-18	24-May-18	24-May-18	24-May-18
Dichloromethane (Methylene Chloride)	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3	< 0.3	< 0.3	< 0.3
Dichloropropane,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropane,1,3-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropane,2,2-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Dichloropropene 1,3-cis+trans	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropene, cis-1,3-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropene, trans-1,3-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropene,1,1-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5	< 0.5	< 0.5
Hexachlorobutadiene	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Hexane	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Isopropylbenzene	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Isopropyltoluene,4-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4	< 0.4	< 0.4
Methyl Butyl Ketone	µg/L	10	EPA 8260	26-May-18/O	< 10	< 10	< 10	< 10
Methyl Ethyl Ketone	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Methyl Isobutyl Ketone	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Methyl-t-butyl Ether	µg/L	1	EPA 8260	26-May-18/O	< 1	< 1	< 1	< 1
Monochlorobenzene (Chlorobenzene)	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Naphthalene	µg/L	0.7	EPA 8260	26-May-18/O	< 0.7	< 0.7	< 0.7	< 0.7
n-Butylbenzene	µg/L	0.7	EPA 8260	26-May-18/O	< 0.7	< 0.7	< 0.7	< 0.7
n-Propylbenzene	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4	< 0.4	< 0.4
sec-Butylbenzene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5	< 0.5	< 0.5
Styrene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butylbenzene	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethane,1,1,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1



R.L. = Reporting Limit

Test methods are 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.: G78354

REPORT No. B18-14358 (ii)

Rev. 2

**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: 25-May-18  
 DATE REPORTED: 28-Jan-19  
 SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1037  
 P.O. NUMBER: Lansdowne  
 WATERWORKS NO.

<b>Client I.D.</b>	18-W019	18-W020	18-W021	18-W022
<b>Sample I.D.</b>	B18-14358-5	B18-14358-6	B18-14358-7	B18-14358-8
<b>Date Collected</b>	24-May-18	24-May-18	24-May-18	24-May-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
					18-W019	18-W020	18-W021	18-W022
Tetrachloroethane,1,1,2,2-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4	< 0.4	< 0.4
Tetrachloroethylene	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Toluene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorobenzene,1,2,3-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Trichlorobenzene,1,2,4-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Trichloroethane,1,1,1-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Trichloroethane,1,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Trichloroethylene	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1
Trichloropropane,1,2,3-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Trimethylbenzene,1,2,4-	µg/L	2	EPA 8260	26-May-18/O	< 2	< 2	< 2	< 2
Trimethylbenzene,1,3,5-	µg/L	0.6	EPA 8260	26-May-18/O	< 0.6	< 0.6	< 0.6	< 0.6
Vinyl Chloride	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2	< 0.2	< 0.2	< 0.2
Xylene, m,p-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4	< 0.4	< 0.4
Xylene, m,p,o-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4	< 0.4	< 0.4	< 0.4
Xylene, o-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1	< 0.1	< 0.1	< 0.1

1 Revised to include additional VOCs



R.L. = Reporting Limit

Test methods are 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. B18-14358 (ii)

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**Attention:** Mallory Wright

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 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 25-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER: Lansdowne

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W023		
<b>Sample I.D.</b>	B18-14358-9		
<b>Date Collected</b>	24-May-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Acetone	µg/L	2	EPA 8260	26-May-18/O	< 2		
Benzene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5		
Bromobenzene	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Bromodichloromethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Bromoform	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Bromomethane	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3		
Carbon Tetrachloride	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2		
Chloroethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Chloroform	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3		
Chloromethane	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3		
Chlorotoluene,2-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2		
Chlorotoluene,4-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2		
Dibromo-3-Chloropropane, 1,2-	µg/L	1	EPA 8260	26-May-18/O	< 1		
Dibromochloromethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Dibromomethane	µg/L	1	EPA 8260	26-May-18/O	< 1		
Dichlorobenzene,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Dichlorobenzene,1,3-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Dichlorobenzene,1,4-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2		
Dichlorodifluoromethane	µg/L	1	EPA 8260	26-May-18/O	< 1		
Dichloroethane,1,1-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Dichloroethane,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Dichloroethene, 1,1-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Dichloroethene, cis-1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Dichloroethene, trans-1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		



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 Lab Manager

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 Tel: 613-544-2001  
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DATE RECEIVED: 25-May-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 28-Jan-19

P.O. NUMBER: Lansdowne

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W023		
<b>Sample I.D.</b>	B18-14358-9		
<b>Date Collected</b>	24-May-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Dichloromethane (Methylene Chloride)	µg/L	0.3	EPA 8260	26-May-18/O	< 0.3		
Dichloropropane,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Dichloropropane,1,3-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2		
Dichloropropane,2,2-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2		
Dichloropropene 1,3-cis+trans	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Dichloropropene, cis-1,3-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Dichloropropene, trans-1,3-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Dichloropropene,1,1-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2		
Ethylbenzene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5		
Hexachlorobutadiene	µg/L	1	EPA 8260	26-May-18/O	< 1		
Hexane	µg/L	1	EPA 8260	26-May-18/O	< 1		
Isopropylbenzene	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2		
Isopropyltoluene,4-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4		
Methyl Butyl Ketone	µg/L	10	EPA 8260	26-May-18/O	< 10		
Methyl Ethyl Ketone	µg/L	1	EPA 8260	26-May-18/O	< 1		
Methyl Isobutyl Ketone	µg/L	1	EPA 8260	26-May-18/O	< 1		
Methyl-t-butyl Ether	µg/L	1	EPA 8260	26-May-18/O	< 1		
Monochlorobenzene (Chlorobenzene)	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2		
Naphthalene	µg/L	0.7	EPA 8260	26-May-18/O	< 0.7		
n-Butylbenzene	µg/L	0.7	EPA 8260	26-May-18/O	< 0.7		
n-Propylbenzene	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4		
sec-Butylbenzene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5		
Styrene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5		
tert-Butylbenzene	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Tetrachloroethane,1,1,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		



R.L. = Reporting Limit

Test methods are modified from specified reference method unless indicated by an \*

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

Michelle Dubien  
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DATE RECEIVED: 25-May-18  
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 SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1037  
 P.O. NUMBER: Lansdowne  
 WATERWORKS NO.

<b>Client I.D.</b>	18-W023		
<b>Sample I.D.</b>	B18-14358-9		
<b>Date Collected</b>	24-May-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Tetrachloroethane,1,1,2,2-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4		
Tetrachloroethylene	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2		
Toluene	µg/L	0.5	EPA 8260	26-May-18/O	< 0.5		
Trichlorobenzene,1,2,3-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2		
Trichlorobenzene,1,2,4-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2		
Trichloroethane,1,1,1-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Trichloroethane,1,1,2-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Trichloroethylene	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Trichlorofluoromethane	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		
Trichloropropane,1,2,3-	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2		
Trimethylbenzene,1,2,4-	µg/L	2	EPA 8260	26-May-18/O	< 2		
Trimethylbenzene,1,3,5-	µg/L	0.6	EPA 8260	26-May-18/O	< 0.6		
Vinyl Chloride	µg/L	0.2	EPA 8260	26-May-18/O	< 0.2		
Xylene, m,p-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4		
Xylene, m,p,o-	µg/L	0.4	EPA 8260	26-May-18/O	< 0.4		
Xylene, o-	µg/L	0.1	EPA 8260	26-May-18/O	< 0.1		

1 Revised to include additional VOCs



R.L. = Reporting Limit

Test methods are 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.: G72602**

**REPORT No. B18-14360**

**Rev. 1**

**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: 25-May-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

Client I.D.	18-W012	18-W013	18-W014	18-W024
Sample I.D.	B18-14360-1	B18-14360-2	B18-14360-3	B18-14360-4
Date Collected	24-May-18	24-May-18	24-May-18	24-May-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	31-May-18/O	25	98	169	396
pH @25°C	pH Units		SM 4500H	31-May-18/O	7.08	7.66	8.17	8.08
Conductivity @25°C	µmho/cm	1	SM 2510B	31-May-18/O	54	200	281	871
Chloride	mg/L	0.5	SM4110C	28-May-18/O	1.3	3.6	1.8	39.9
Nitrite (N)	mg/L	0.05	SM4110C	28-May-18/O	< 0.05	< 0.05	< 0.05	< 0.05
Nitrate (N)	mg/L	0.05	SM4110C	28-May-18/O	0.06	< 0.05	0.06	2.59
Sulphate	mg/L	1	SM4110C	28-May-18/O	< 1	1	< 1	21
BOD(5 day)	mg/L	2	SM 5210B	25-May-18/K	3	7	5	< 2
Total Suspended Solids	mg/L	3	SM2540D	25-May-18/K	10	12	20	< 3
o-Phosphate (P)	mg/L	0.01	PE4500-S	28-May-18/K	0.01	< 0.01	< 0.01	0.02
Phosphorus-Total	mg/L	0.01	E3199A.1	30-May-18/K	0.10	0.14	0.12	0.04
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	30-May-18/K	1.2	1.2	1.6	0.2
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	30-May-18/K	0.03	0.04	0.04	0.01
Ammonia (N)-unionized	mg/L	0.01	CALC	30-May-18/K	< 0.01	< 0.01	< 0.01	< 0.01
Total Dissolved Solids	mg/L	3	SM 2540D	01-Jun-18/O	27	102	144	460
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	31-May-18/O	19.2	20.5	19.5	3.7
Phenolics	mg/L	0.001	MOEE 3179	31-May-18/O	< 0.001	< 0.001	< 0.001	< 0.001
COD	mg/L	5	SM 5220D	31-May-18/O	72	85	60	5
Hardness (as CaCO3)	mg/L	1	SM 3120	07-Jun-18/O	47	111	157	445
Aluminum	mg/L	0.01	SM 3120	11-Jun-18/O	0.07	0.03	0.03	0.06
Arsenic	mg/L	0.0001	EPA 200.8	28-May-18/O	0.0004	0.0005	0.0009	0.0002
Barium	mg/L	0.001	SM 3120	07-Jun-18/O	0.028	0.041	0.057	0.110
Boron	mg/L	0.005	SM 3120	07-Jun-18/O	0.009	0.034	0.027	0.012
Cadmium	mg/L	0.000015	EPA 200.8	28-May-18/O	< 0.000015	< 0.000015	0.000024	< 0.000015
Calcium	mg/L	0.02	SM 3120	07-Jun-18/O	10.7	26.0	28.7	97.0
Chromium	mg/L	0.001	EPA 200.8	28-May-18/O	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	mg/L	0.0001	EPA 200.8	28-May-18/O	0.0005	0.0003	0.0002	< 0.0001



R.L. = Reporting Limit

Test methods are 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.: G72602

REPORT No. B18-14360

Rev. 1

**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: 25-May-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

<b>Client I.D.</b>	18-W012	18-W013	18-W014	18-W024
<b>Sample I.D.</b>	B18-14360-1	B18-14360-2	B18-14360-3	B18-14360-4
<b>Date Collected</b>	24-May-18	24-May-18	24-May-18	24-May-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Copper	mg/L	0.0001	EPA 200.8	28-May-18/O	0.0009	0.0004	0.0019	0.0008
Iron	mg/L	0.005	SM 3120	07-Jun-18/O	0.697	0.537	0.273	0.067
Lead	mg/L	0.00002	EPA 200.8	28-May-18/O	0.00021	0.00007	0.00015	0.00003
Magnesium	mg/L	0.02	SM 3120	07-Jun-18/O	4.93	11.2	20.7	49.3
Manganese	mg/L	0.001	SM 3120	07-Jun-18/O	0.039	0.035	0.013	0.013
Mercury	mg/L	0.00002	SM 3112 B	05-Jun-18/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Nickel	mg/L	0.01	SM 3120	07-Jun-18/O	< 0.01	< 0.01	< 0.01	< 0.01
Potassium	mg/L	0.1	SM 3120	07-Jun-18/O	1.0	0.5	0.9	0.9
Silver	mg/L	0.0001	EPA 200.8	28-May-18/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	07-Jun-18/O	4.3	8.5	11.4	21.1
Strontium	mg/L	0.001	SM 3120	07-Jun-18/O	0.085	0.189	0.392	0.444
Vanadium	mg/L	0.005	SM 3120	07-Jun-18/O	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	0.005	SM 3120	07-Jun-18/O	0.025	0.021	0.022	0.022

1 Revised to convert reporting units for metals to mg/L



Michelle Dubien  
 Lab Manager

R.L. = Reporting Limit

Test methods are 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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**C.O.C.: G72602**

**REPORT No. B18-14360**

**Rev. 1**

**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: 25-May-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

Client I.D.	18-W025	18-W026	18-W027	18-W028
Sample I.D.	B18-14360-5	B18-14360-6	B18-14360-7	B18-14360-8
Date Collected	24-May-18	24-May-18	24-May-18	24-May-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	31-May-18/O	298	731	115	105
pH @25°C	pH Units		SM 4500H	31-May-18/O	8.29	8.20	8.15	8.06
Conductivity @25°C	µmho/cm	1	SM 2510B	31-May-18/O	767	1800	327	286
Chloride	mg/L	0.5	SM4110C	28-May-18/O	61.6	147	29.3	22.4
Nitrite (N)	mg/L	0.05	SM4110C	28-May-18/O	< 0.05	< 0.05	< 0.05	< 0.05
Nitrate (N)	mg/L	0.05	SM4110C	28-May-18/O	0.67	< 0.05	< 0.05	< 0.05
Sulphate	mg/L	1	SM4110C	28-May-18/O	18	13	8	7
BOD(5 day)	mg/L	2	SM 5210B	25-May-18/K	3	>20.7	14	8
Total Suspended Solids	mg/L	3	SM2540D	25-May-18/K	14	90	100	30
o-Phosphate (P)	mg/L	0.01	PE4500-S	28-May-18/K	0.04	0.18	0.16	0.13
Phosphorus-Total	mg/L	0.01	E3199A.1	30-May-18/K	0.14	0.97	0.42	0.43
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	30-May-18/K	0.9	2.4	1.8	2.2
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	30-May-18/K	0.06	0.24	0.06	0.06
Ammonia (N)-unionized	mg/L	0.01	CALC	30-May-18/K	< 0.01	0.02	< 0.01	< 0.01
Total Dissolved Solids	mg/L	3	SM 2540D	01-Jun-18/O	402	988	168	147
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	31-May-18/O	12.8	143	40.8	40.8
Phenolics	mg/L	0.001	MOEE 3179	31-May-18/O	< 0.001	0.007	< 0.001	< 0.001
COD	mg/L	5	SM 5220D	31-May-18/O	24	454	154	125
Hardness (as CaCO3)	mg/L	1	SM 3120	07-Jun-18/O	348	724	149	146
Aluminum	mg/L	0.01	SM 3120	11-Jun-18/O	0.06	0.10	0.04	0.05
Arsenic	mg/L	0.0001	EPA 200.8	28-May-18/O	0.0006	0.0081	0.0021	0.0016
Barium	mg/L	0.001	SM 3120	07-Jun-18/O	0.091	0.245	0.094	0.092
Boron	mg/L	0.005	SM 3120	07-Jun-18/O	0.022	0.254	0.025	0.022
Cadmium	mg/L	0.000015	EPA 200.8	28-May-18/O	< 0.000015	0.000081	0.000059	0.000035
Calcium	mg/L	0.02	SM 3120	07-Jun-18/O	76.4	153	34.6	33.8
Chromium	mg/L	0.001	EPA 200.8	28-May-18/O	< 0.001	0.004	0.004	0.003
Cobalt	mg/L	0.0001	EPA 200.8	28-May-18/O	0.0003	0.0026	0.0014	0.0013



R.L. = Reporting Limit

Test methods are 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.: G72602**

**REPORT No. B18-14360**

**Rev. 1**

**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: 25-May-18  
 DATE REPORTED: 25-Jan-19  
 SAMPLE MATRIX: Surface Water

JOB/PROJECT NO.: 1037-Lansdowne  
 P.O. NUMBER:  
 WATERWORKS NO.

<b>Client I.D.</b>	18-W025	18-W026	18-W027	18-W028
<b>Sample I.D.</b>	B18-14360-5	B18-14360-6	B18-14360-7	B18-14360-8
<b>Date Collected</b>	24-May-18	24-May-18	24-May-18	24-May-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Copper	mg/L	0.0001	EPA 200.8	28-May-18/O	0.0019	0.0065	0.0062	0.0052
Iron	mg/L	0.005	SM 3120	07-Jun-18/O	0.727	1.94	2.67	2.83
Lead	mg/L	0.00002	EPA 200.8	28-May-18/O	0.00035	0.00285	0.00209	0.00163
Magnesium	mg/L	0.02	SM 3120	07-Jun-18/O	38.3	83.2	15.3	15.0
Manganese	mg/L	0.001	SM 3120	07-Jun-18/O	0.061	1.07	0.113	0.079
Mercury	mg/L	0.00002	SM 3112 B	05-Jun-18/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Nickel	mg/L	0.01	SM 3120	07-Jun-18/O	< 0.01	0.01	< 0.01	< 0.01
Potassium	mg/L	0.1	SM 3120	07-Jun-18/O	2.0	92.2	5.2	5.3
Silver	mg/L	0.0001	EPA 200.8	28-May-18/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	07-Jun-18/O	30.3	97.9	17.3	15.1
Strontium	mg/L	0.001	SM 3120	07-Jun-18/O	0.395	1.37	0.220	0.213
Vanadium	mg/L	0.005	SM 3120	07-Jun-18/O	< 0.005	0.009	0.009	0.008
Zinc	mg/L	0.005	SM 3120	07-Jun-18/O	0.020	0.038	0.029	0.029

1 Revised to convert reporting units for metals to mg/L



Michelle Dubien  
 Lab Manager

R.L. = Reporting Limit

Test methods are 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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C.O.C.: G72602

REPORT No. B18-14360

Rev. 1

**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: 25-May-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

<b>Client I.D.</b>	18-W029		
<b>Sample I.D.</b>	B18-14360-9		
<b>Date Collected</b>	24-May-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	31-May-18/O	242		
pH @25°C	pH Units		SM 4500H	31-May-18/O	8.65		
Conductivity @25°C	µmho/cm	1	SM 2510B	31-May-18/O	520		
Chloride	mg/L	0.5	SM4110C	28-May-18/O	19.1		
Nitrite (N)	mg/L	0.05	SM4110C	28-May-18/O	< 0.05		
Nitrate (N)	mg/L	0.05	SM4110C	28-May-18/O	0.93		
Sulphate	mg/L	1	SM4110C	28-May-18/O	17		
BOD(5 day)	mg/L	2	SM 5210B	25-May-18/K	< 2		
Total Suspended Solids	mg/L	3	SM2540D	25-May-18/K	12		
o-Phosphate (P)	mg/L	0.01	PE4500-S	28-May-18/K	< 0.01		
Phosphorus-Total	mg/L	0.01	E3199A.1	30-May-18/K	0.10		
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	30-May-18/K	1.0		
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	30-May-18/K	0.06		
Ammonia (N)-unionized	mg/L	0.01	CALC	30-May-18/K	0.01		
Total Dissolved Solids	mg/L	3	SM 2540D	01-Jun-18/O	269		
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	31-May-18/O	14.2		
Phenolics	mg/L	0.001	MOEE 3179	31-May-18/O	< 0.001		
COD	mg/L	5	SM 5220D	31-May-18/O	32		
Hardness (as CaCO3)	mg/L	1	SM 3120	07-Jun-18/O	288		
Aluminum	mg/L	0.01	SM 3120	11-Jun-18/O	0.06		
Arsenic	mg/L	0.0001	EPA 200.8	28-May-18/O	0.0010		
Barium	mg/L	0.001	SM 3120	07-Jun-18/O	0.075		
Boron	mg/L	0.005	SM 3120	07-Jun-18/O	0.059		
Cadmium	mg/L	0.000015	EPA 200.8	28-May-18/O	0.000025		
Calcium	mg/L	0.02	SM 3120	07-Jun-18/O	61.8		
Chromium	mg/L	0.001	EPA 200.8	28-May-18/O	0.001		
Cobalt	mg/L	0.0001	EPA 200.8	28-May-18/O	0.0004		



R.L. = Reporting Limit

Test methods are 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.: G72602

REPORT No. B18-14360

Rev. 1

**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: 25-May-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

<b>Client I.D.</b>	18-W029		
<b>Sample I.D.</b>	B18-14360-9		
<b>Date Collected</b>	24-May-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Copper	mg/L	0.0001	EPA 200.8	28-May-18/O	0.0035		
Iron	mg/L	0.005	SM 3120	07-Jun-18/O	0.595		
Lead	mg/L	0.00002	EPA 200.8	28-May-18/O	0.00034		
Magnesium	mg/L	0.02	SM 3120	07-Jun-18/O	32.5		
Manganese	mg/L	0.001	SM 3120	07-Jun-18/O	0.034		
Mercury	mg/L	0.00002	SM 3112 B	05-Jun-18/O	< 0.00002		
Nickel	mg/L	0.01	SM 3120	07-Jun-18/O	< 0.01		
Potassium	mg/L	0.1	SM 3120	07-Jun-18/O	2.5		
Silver	mg/L	0.0001	EPA 200.8	28-May-18/O	< 0.0001		
Sodium	mg/L	0.2	SM 3120	07-Jun-18/O	23.0		
Strontium	mg/L	0.001	SM 3120	07-Jun-18/O	0.393		
Vanadium	mg/L	0.005	SM 3120	07-Jun-18/O	0.005		
Zinc	mg/L	0.005	SM 3120	07-Jun-18/O	0.023		

1 Revised to convert reporting units for metals to mg/L



Michelle Dubien  
 Lab Manager

R.L. = Reporting Limit

Test methods are 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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C.O.C.: G82067

REPORT No. B18-36261 (i)

Rev. 4

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	18-W031	18-W039	18-W045	18-W038
Sample I.D.	B18-36261-1	B18-36261-2	B18-36261-3	B18-36261-4
Date Collected	26-Nov-18	26-Nov-18	26-Nov-18	26-Nov-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	27-Nov-18/O	346	393	356	380
pH @25°C	pH Units		SM 4500H	27-Nov-18/O	8.20	7.84	7.99	7.86
Conductivity @25°C	µmho/cm	1	SM 2510B	27-Nov-18/O	669	1460	1250	1430
Chloride	mg/L	0.5	SM4110C	27-Nov-18/O	3.0	174	163	198
Nitrite (N)	mg/L	0.05	SM4110C	27-Nov-18/O	< 0.05	< 0.05	< 0.05	< 0.05
Nitrate (N)	mg/L	0.05	SM4110C	27-Nov-18/O	< 0.05	0.33	0.06	0.05
Sulphate	mg/L	1	SM4110C	27-Nov-18/O	2	90	44	58
BOD(5 day)	mg/L	3	SM 5210B	28-Nov-18/K	< 3	< 3	< 3	< 3
Total Suspended Solids	mg/L	3	SM2540D	28-Nov-18/K	12600	28000	10000	4500
Phosphorus-Total	mg/L	0.01	E3199A.1	27-Nov-18/K	0.54	0.92	4.25	0.43
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	27-Nov-18/K	0.4	0.8	0.6	0.6
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	28-Nov-18/K	0.18	0.05	0.07	0.07
Total Dissolved Solids	mg/L	3	SM 2540D	28-Nov-18/O	347	795	676	778
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	28-Nov-18/O	7.8	6.4	2.5	4.9
Phenolics	mg/L	0.002	MOEE 3179	29-Nov-18/K	< 0.002	0.004	0.005	< 0.002
COD	mg/L	5	SM 5220D	28-Nov-18/O	36	44	93	11
Hardness (as CaCO3)	mg/L	1	SM 3120	28-Nov-18/O	319	472	565	606
Aluminum	mg/L	0.01	SM 3120	28-Nov-18/O	0.02	0.05	0.04	0.06
Arsenic	mg/L	0.0001	EPA 200.8	28-Nov-18/O	0.0001	0.0006	0.0001	0.0002
Barium	mg/L	0.001	SM 3120	28-Nov-18/O	0.893	0.140	0.315	0.859
Boron	mg/L	0.005	SM 3120	28-Nov-18/O	0.201	0.079	0.050	0.048
Cadmium	mg/L	0.000015	EPA 200.8	28-Nov-18/O	< 0.000015	< 0.000015	< 0.000015	< 0.000015
Calcium	mg/L	0.02	SM 3120	28-Nov-18/O	47.0	116	106	153
Chromium	mg/L	0.001	EPA 200.8	28-Nov-18/O	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	mg/L	0.0001	EPA 200.8	28-Nov-18/O	< 0.0001	0.0004	0.0002	0.0006
Copper	mg/L	0.0001	EPA 200.8	28-Nov-18/O	0.0002	0.0034	0.0004	0.0011
Iron	mg/L	0.005	SM 3120	28-Nov-18/O	0.573	< 0.005	< 0.005	0.558



R.L. = Reporting Limit

Test methods are 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.: G82067

REPORT No. B18-36261 (i)

Rev. 4

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W031	18-W039	18-W045	18-W038
<b>Sample I.D.</b>	B18-36261-1	B18-36261-2	B18-36261-3	B18-36261-4
<b>Date Collected</b>	26-Nov-18	26-Nov-18	26-Nov-18	26-Nov-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Lead	mg/L	0.00002	EPA 200.8	28-Nov-18/O	< 0.00002	0.00003	< 0.00002	< 0.00002
Magnesium	mg/L	0.02	SM 3120	28-Nov-18/O	49.0	44.3	73.0	54.5
Manganese	mg/L	0.001	SM 3120	28-Nov-18/O	0.021	0.102	0.001	0.481
Mercury	mg/L	0.00002	SM 3112 B	30-Nov-18/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Potassium	mg/L	0.1	SM 3120	28-Nov-18/O	3.2	3.8	2.2	10.9
Silver	mg/L	0.0001	EPA 200.8	28-Nov-18/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	28-Nov-18/O	32.5	146	42.7	58.8
Strontium	mg/L	0.001	SM 3120	28-Nov-18/O	1.39	0.759	0.855	0.969
Uranium	mg/L	0.00005	EPA 200.8	28-Nov-18/O	< 0.00005	0.00670	0.00368	0.00308
Vanadium	mg/L	0.005	SM 3120	28-Nov-18/O	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	0.005	SM 3120	28-Nov-18/O	< 0.005	< 0.005	< 0.005	< 0.005

1. Revised to convert reporting units for metals to mg/L



Michelle Dubien  
 Lab Manager

R.L. = Reporting Limit

Test methods are 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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C.O.C.: G82067

REPORT No. B18-36261 (i)

Rev. 4

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Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

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Tel: 613-544-2001  
Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.			
					18-W033	18-W036	18-W040	
					Sample I.D.			
					Date Collected			
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	27-Nov-18/O	772	247	113	
pH @25°C	pH Units		SM 4500H	27-Nov-18/O	7.53	8.07	8.00	
Conductivity @25°C	µmho/cm	1	SM 2510B	27-Nov-18/O	1530	555	481	
Chloride	mg/L	0.5	SM4110C	27-Nov-18/O	19.3	5.8	4.1	
Nitrite (N)	mg/L	0.05	SM4110C	27-Nov-18/O	< 0.05	< 0.05	< 0.05	
Nitrate (N)	mg/L	0.05	SM4110C	27-Nov-18/O	< 0.05	< 0.05	26.6	
Sulphate	mg/L	1	SM4110C	27-Nov-18/O	42	33	10	
BOD(5 day)	mg/L	3	SM 5210B	28-Nov-18/K	< 3	< 3	< 3	
Total Suspended Solids	mg/L	3	SM2540D	28-Nov-18/K	9400	1750	440	
Phosphorus-Total	mg/L	0.01	E3199A.1	27-Nov-18/K	2.85	0.23	0.43	
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	27-Nov-18/K	11.5	0.3	1.7	
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	28-Nov-18/K	7.77	0.07	0.04	
Total Dissolved Solids	mg/L	3	SM 2540D	28-Nov-18/O	835	288	249	
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	28-Nov-18/O	19.5	2.3	13.3	
Phenolics	mg/L	0.002	MOEE 3179	29-Nov-18/K	0.013	< 0.002	< 0.002	
COD	mg/L	5	SM 5220D	28-Nov-18/O	132	7	31	
Hardness (as CaCO3)	mg/L	1	SM 3120	28-Nov-18/O	753	276	211	
Aluminum	mg/L	0.01	SM 3120	28-Nov-18/O	0.07	0.03	0.02	
Arsenic	mg/L	0.0001	EPA 200.8	28-Nov-18/O	0.0106	0.0002	0.0003	
Barium	mg/L	0.001	SM 3120	28-Nov-18/O	0.606	0.294	0.036	
Boron	mg/L	0.005	SM 3120	28-Nov-18/O	0.713	0.107	< 0.005	
Cadmium	mg/L	0.000015	EPA 200.8	28-Nov-18/O	< 0.000015	< 0.000015	< 0.000015	
Calcium	mg/L	0.02	SM 3120	28-Nov-18/O	185	64.5	48.6	
Chromium	mg/L	0.001	EPA 200.8	28-Nov-18/O	< 0.001	< 0.001	< 0.001	
Cobalt	mg/L	0.0001	EPA 200.8	28-Nov-18/O	0.0082	0.0002	0.0003	
Copper	mg/L	0.0001	EPA 200.8	28-Nov-18/O	0.0004	0.0001	0.0036	
Iron	mg/L	0.005	SM 3120	28-Nov-18/O	16.5	0.537	0.016	



R.L. = Reporting Limit

Test methods are 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.: G82067

REPORT No. B18-36261 (i)

Rev. 4

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W033	18-W036	18-W040	
<b>Sample I.D.</b>	B18-36261-6	B18-36261-7	B18-36261-8	
<b>Date Collected</b>	26-Nov-18	26-Nov-18	26-Nov-18	

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Lead	mg/L	0.00002	EPA 200.8	28-Nov-18/O	0.00003	0.00003	0.00004	
Magnesium	mg/L	0.02	SM 3120	28-Nov-18/O	70.8	27.9	21.7	
Manganese	mg/L	0.001	SM 3120	28-Nov-18/O	0.097	0.073	< 0.001	
Mercury	mg/L	0.00002	SM 3112 B	30-Nov-18/O	< 0.00002	< 0.00002	< 0.00002	
Potassium	mg/L	0.1	SM 3120	28-Nov-18/O	20.8	1.7	0.8	
Silver	mg/L	0.0001	EPA 200.8	28-Nov-18/O	< 0.0001	< 0.0001	< 0.0001	
Sodium	mg/L	0.2	SM 3120	28-Nov-18/O	52.9	14.4	9.5	
Strontium	mg/L	0.001	SM 3120	28-Nov-18/O	1.10	0.699	0.242	
Uranium	mg/L	0.00005	EPA 200.8	28-Nov-18/O	0.00041	0.00013	0.00056	
Vanadium	mg/L	0.005	SM 3120	28-Nov-18/O	0.008	< 0.005	< 0.005	
Zinc	mg/L	0.005	SM 3120	28-Nov-18/O	0.006	< 0.005	< 0.005	

1. Revised to convert reporting units for metals to mg/L



Michelle Dubien  
 Lab Manager

R.L. = Reporting Limit

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**C.O.C.: G82067**

**REPORT No. B18-36261 (ii)**

**Rev. 4**

**Report To:**

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 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W031	18-W039	18-W045	18-W038
<b>Sample I.D.</b>	B18-36261-1	B18-36261-2	B18-36261-3	B18-36261-4
<b>Date Collected</b>	26-Nov-18	26-Nov-18	26-Nov-18	26-Nov-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Acetone	µg/L	30	EPA 8260	28-Nov-18/R	< 30	< 30	< 30	< 30
Benzene	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Bromobenzene	µg/L	0.1	EPA 8260	28-Nov-18/R	< 0.1	< 0.1	< 0.1	< 0.1
Bromochloromethane	µg/L	0.2	EPA 8260	28-Nov-18/R	< 0.2	< 0.2	< 0.2	< 0.2
Bromodichloromethane	µg/L	2	EPA 8260	28-Nov-18/R	< 2	< 2	< 2	< 2
Bromoform	µg/L	5	EPA 8260	28-Nov-18/R	< 5	< 5	< 5	< 5
Bromomethane	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	µg/L	0.2	EPA 8260	28-Nov-18/R	< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	µg/L	0.08	EPA 8260	28-Nov-18/R	< 0.08	< 0.08	< 0.08	< 0.08
Chloroform	µg/L	1	EPA 8260	28-Nov-18/R	< 1	< 1	< 1	< 1
Chloromethane	µg/L	0.06	EPA 8260	28-Nov-18/R	< 0.06	< 0.06	< 0.06	< 0.06
Chlorotoluene,2-	µg/L	0.06	EPA 8260	28-Nov-18/R	< 0.06	< 0.06	< 0.06	< 0.06
Chlorotoluene,4-	µg/L	0.08	EPA 8260	28-Nov-18/R	< 0.08	< 0.08	< 0.08	< 0.08
Dibromo-3-Chloropropane, 1,2-	µg/L	0.07	EPA 8260	28-Nov-18/R	< 0.07	< 0.07	< 0.07	< 0.07
Dibromochloromethane	µg/L	2	EPA 8260	28-Nov-18/R	< 2	< 2	< 2	< 2
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.2	EPA 8260	28-Nov-18/R	< 0.2	< 0.2	< 0.2	< 0.2
Dibromomethane	µg/L	0.06	EPA 8260	28-Nov-18/R	< 0.06	< 0.06	< 0.06	< 0.06
Dichlorobenzene,1,2-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,3-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,4-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	µg/L	2	EPA 8260	28-Nov-18/R	< 2	< 2	< 2	< 2
Dichloroethane,1,1-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethane,1,2-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, cis-1,2-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, trans-1,2-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethylene,1,1-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5



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.: G82067

REPORT No. B18-36261 (ii)

Rev. 4

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 308 Wellington Street, 2nd Floor  
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**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
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 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.			
					18-W031	18-W039	18-W045	18-W038
					Sample I.D.			
					Date Collected			
Dichloromethane (Methylene Chloride)	µg/L	5	EPA 8260	28-Nov-18/R	< 5	< 5	< 5	< 5
Dichloropropane,1,2-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropane,1,3-	µg/L	0.1	EPA 8260	28-Nov-18/R	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropane,2,2-	µg/L	0.1	EPA 8260	28-Nov-18/R	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropene 1,3-cis+trans	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, cis-1,3-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, trans-1,3-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene,1,1-	µg/L	0.1	EPA 8260	28-Nov-18/R	< 0.1	< 0.1	< 0.1	< 0.1
Dioxane, 1,4-	µg/L	20	EPA 8260	28-Nov-18/R	< 20	< 20	< 20	< 20
Ethylbenzene	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Hexachlorobutadiene	µg/L	0.06	EPA 8260	28-Nov-18/R	< 0.06	< 0.06	< 0.06	< 0.06
Hexane	µg/L	5	EPA 8260	28-Nov-18/R	< 5	< 5	< 5	< 5
Isopropylbenzene	µg/L	0.04	EPA 8260	28-Nov-18/R	< 0.04	< 0.04	< 0.04	< 0.04
Isopropyltoluene,4-	µg/L	0.05	EPA 8260	28-Nov-18/R	< 0.05	< 0.05	< 0.05	< 0.05
Methyl Butyl Ketone	µg/L	10	EPA 8260	28-Nov-18/R	< 10	< 10	< 10	< 10
Methyl Ethyl Ketone	µg/L	20	EPA 8260	28-Nov-18/R	< 20	< 20	< 20	< 20
Methyl Isobutyl Ketone	µg/L	20	EPA 8260	28-Nov-18/R	< 20	< 20	< 20	< 20
Methyl-t-butyl Ether	µg/L	2	EPA 8260	28-Nov-18/R	< 2	< 2	< 2	< 2
Monochlorobenzene (Chlorobenzene)	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	µg/L	0.04	EPA 8260	28-Nov-18/R	< 0.04	< 0.04	< 0.04	< 0.04
n-Butylbenzene	µg/L	0.1	EPA 8260	28-Nov-18/R	< 0.1	< 0.1	< 0.1	< 0.1
n-Propylbenzene	µg/L	0.03	EPA 8260	28-Nov-18/R	< 0.03	< 0.03	< 0.03	< 0.03
sec-Butylbenzene	µg/L	0.06	EPA 8260	28-Nov-18/R	< 0.06	< 0.06	< 0.06	< 0.06
Styrene	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butylbenzene	µg/L	0.03	EPA 8260	28-Nov-18/R	< 0.03	< 0.03	< 0.03	< 0.03



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Michelle Dubien  
 Lab Manager

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REPORT No. B18-36261 (ii)

Rev. 4

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**Attention:** Camille Malcolm

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 285 Dalton Ave  
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 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18  
 DATE REPORTED: 28-Jan-19  
 SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: 1037-Lansdowne  
 P.O. NUMBER:  
 WATERWORKS NO.

<b>Client I.D.</b>	18-W031	18-W039	18-W045	18-W038
<b>Sample I.D.</b>	B18-36261-1	B18-36261-2	B18-36261-3	B18-36261-4
<b>Date Collected</b>	26-Nov-18	26-Nov-18	26-Nov-18	26-Nov-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Tetrachloroethane,1,1,1,2-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethane,1,1,2,2-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethylene	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Total Trihalomethanes	µg/L	6	EPA 8260	28-Nov-18/R	< 6	< 6	< 6	< 6
Trichlorobenzene,1,2,3-	µg/L	0.1	EPA 8260	28-Nov-18/R	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorobenzene,1,2,4-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane,1,1,1-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane,1,1,2-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethylene	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	µg/L	5	EPA 8260	28-Nov-18/R	< 5	< 5	< 5	< 5
Trichloropropane,1,2,3-	µg/L	0.07	EPA 8260	28-Nov-18/R	< 0.07	< 0.07	< 0.07	< 0.07
Trimethylbenzene,1,2,4-	µg/L	0.03	EPA 8260	28-Nov-18/R	< 0.03	< 0.03	< 0.03	< 0.03
Trimethylbenzene,1,3,5-	µg/L	0.06	EPA 8260	28-Nov-18/R	< 0.06	< 0.06	< 0.06	< 0.06
Vinyl Chloride	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Xylene, m,p-	µg/L	1.0	EPA 8260	28-Nov-18/R	< 1.0	< 1.0	< 1.0	< 1.0
Xylene, m,p,o-	µg/L	1.1	EPA 8260	28-Nov-18/R	< 1.1	< 1.1	< 1.1	< 1.1
Xylene, o-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5



Michelle Dubien  
 Lab Manager

R.L. = Reporting Limit

Test methods are 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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C.O.C.: G82067

REPORT No. B18-36261 (ii)

Rev. 4

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W033	18-W036	18-W040
<b>Sample I.D.</b>	B18-36261-6	B18-36261-7	B18-36261-8
<b>Date Collected</b>	26-Nov-18	26-Nov-18	26-Nov-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Acetone	µg/L	30	EPA 8260	28-Nov-18/R	< 30	< 30	< 30
Benzene	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5
Bromobenzene	µg/L	0.1	EPA 8260	28-Nov-18/R	< 0.1	< 0.1	< 0.1
Bromochloromethane	µg/L	0.2	EPA 8260	28-Nov-18/R	< 0.2	< 0.2	< 0.2
Bromodichloromethane	µg/L	2	EPA 8260	28-Nov-18/R	< 2	< 2	< 2
Bromoform	µg/L	5	EPA 8260	28-Nov-18/R	< 5	< 5	< 5
Bromomethane	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	µg/L	0.2	EPA 8260	28-Nov-18/R	< 0.2	< 0.2	< 0.2
Chloroethane	µg/L	0.08	EPA 8260	28-Nov-18/R	< 0.08	< 0.08	< 0.08
Chloroform	µg/L	1	EPA 8260	28-Nov-18/R	< 1	< 1	< 1
Chloromethane	µg/L	0.06	EPA 8260	28-Nov-18/R	< 0.06	< 0.06	< 0.06
Chlorotoluene,2-	µg/L	0.06	EPA 8260	28-Nov-18/R	< 0.06	< 0.06	< 0.06
Chlorotoluene,4-	µg/L	0.08	EPA 8260	28-Nov-18/R	< 0.08	< 0.08	< 0.08
Dibromo-3-Chloropropane, 1,2-	µg/L	0.07	EPA 8260	28-Nov-18/R	< 0.07	< 0.07	< 0.07
Dibromochloromethane	µg/L	2	EPA 8260	28-Nov-18/R	< 2	< 2	< 2
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.2	EPA 8260	28-Nov-18/R	< 0.2	< 0.2	< 0.2
Dibromomethane	µg/L	0.06	EPA 8260	28-Nov-18/R	< 0.06	< 0.06	< 0.06
Dichlorobenzene,1,2-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,3-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,4-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	µg/L	2	EPA 8260	28-Nov-18/R	< 2	< 2	< 2
Dichloroethane,1,1-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5
Dichloroethane,1,2-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5
Dichloroethene, cis-1,2-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5
Dichloroethene, trans-1,2-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5
Dichloroethylene,1,1-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5



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.: G82067

REPORT No. B18-36261 (ii)

Rev. 4

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W033	18-W036	18-W040
<b>Sample I.D.</b>	B18-36261-6	B18-36261-7	B18-36261-8
<b>Date Collected</b>	26-Nov-18	26-Nov-18	26-Nov-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Dichloromethane (Methylene Chloride)	µg/L	5	EPA 8260	28-Nov-18/R	< 5	< 5	< 5	
Dichloropropane,1,2-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	
Dichloropropane,1,3-	µg/L	0.1	EPA 8260	28-Nov-18/R	< 0.1	< 0.1	< 0.1	
Dichloropropane,2,2-	µg/L	0.1	EPA 8260	28-Nov-18/R	< 0.1	< 0.1	< 0.1	
Dichloropropene 1,3-cis+trans	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	
Dichloropropene, cis-1,3-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	
Dichloropropene, trans-1,3-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	
Dichloropropene,1,1-	µg/L	0.1	EPA 8260	28-Nov-18/R	< 0.1	< 0.1	< 0.1	
Dioxane, 1,4-	µg/L	20	EPA 8260	28-Nov-18/R	< 20	< 20	< 20	
Ethylbenzene	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	
Hexachlorobutadiene	µg/L	0.06	EPA 8260	28-Nov-18/R	< 0.06	< 0.06	< 0.06	
Hexane	µg/L	5	EPA 8260	28-Nov-18/R	< 5	< 5	< 5	
Isopropylbenzene	µg/L	0.04	EPA 8260	28-Nov-18/R	< 0.04	< 0.04	< 0.04	
Isopropyltoluene,4-	µg/L	0.05	EPA 8260	28-Nov-18/R	< 0.05	< 0.05	< 0.05	
Methyl Butyl Ketone	µg/L	10	EPA 8260	28-Nov-18/R	< 10	< 10	< 10	
Methyl Ethyl Ketone	µg/L	20	EPA 8260	28-Nov-18/R	< 20	< 20	< 20	
Methyl Isobutyl Ketone	µg/L	20	EPA 8260	28-Nov-18/R	< 20	< 20	< 20	
Methyl-t-butyl Ether	µg/L	2	EPA 8260	28-Nov-18/R	< 2	< 2	< 2	
Monochlorobenzene (Chlorobenzene)	µg/L	0.5	EPA 8260	28-Nov-18/R	1.4	< 0.5	< 0.5	
Naphthalene	µg/L	0.04	EPA 8260	28-Nov-18/R	< 0.04	< 0.04	< 0.04	
n-Butylbenzene	µg/L	0.1	EPA 8260	28-Nov-18/R	< 0.1	< 0.1	< 0.1	
n-Propylbenzene	µg/L	0.03	EPA 8260	28-Nov-18/R	< 0.03	< 0.03	< 0.03	
sec-Butylbenzene	µg/L	0.06	EPA 8260	28-Nov-18/R	< 0.06	< 0.06	< 0.06	
Styrene	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	
tert-Butylbenzene	µg/L	0.03	EPA 8260	28-Nov-18/R	< 0.03	< 0.03	< 0.03	



R.L. = Reporting Limit

Test methods are 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.: G82067

REPORT No. B18-36261 (ii)

Rev. 4

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada  
**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W033	18-W036	18-W040	
<b>Sample I.D.</b>	B18-36261-6	B18-36261-7	B18-36261-8	
<b>Date Collected</b>	26-Nov-18	26-Nov-18	26-Nov-18	

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Tetrachloroethane,1,1,1,2-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	
Tetrachloroethane,1,1,2,2-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	
Tetrachloroethylene	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	
Toluene	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	
Total Trihalomethanes	µg/L	6	EPA 8260	28-Nov-18/R	< 6	< 6	< 6	
Trichlorobenzene,1,2,3-	µg/L	0.1	EPA 8260	28-Nov-18/R	< 0.1	< 0.1	< 0.1	
Trichlorobenzene,1,2,4-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	
Trichloroethane,1,1,1-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	
Trichloroethane,1,1,2-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	
Trichloroethylene	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	
Trichlorofluoromethane	µg/L	5	EPA 8260	28-Nov-18/R	< 5	< 5	< 5	
Trichloropropane,1,2,3-	µg/L	0.07	EPA 8260	28-Nov-18/R	< 0.07	< 0.07	< 0.07	
Trimethylbenzene,1,2,4-	µg/L	0.03	EPA 8260	28-Nov-18/R	< 0.03	< 0.03	< 0.03	
Trimethylbenzene,1,3,5-	µg/L	0.06	EPA 8260	28-Nov-18/R	< 0.06	< 0.06	< 0.06	
Vinyl Chloride	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	
Xylene, m,p-	µg/L	1.0	EPA 8260	28-Nov-18/R	< 1.0	< 1.0	< 1.0	
Xylene, m,p,o-	µg/L	1.1	EPA 8260	28-Nov-18/R	< 1.1	< 1.1	< 1.1	
Xylene, o-	µg/L	0.5	EPA 8260	28-Nov-18/R	< 0.5	< 0.5	< 0.5	



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.: G82068

REPORT No. B18-36267

Rev. 1

**Report To:**

**Malroz Engineering Inc.**  
308 Wellington Street, 2nd Floor  
Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
Kingston Ontario K7K 6Z1  
Tel: 613-544-2001  
Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

Client I.D.	18-W035	18-W034	18-W042	18-W037
Sample I.D.	B18-36267-1	B18-36267-2	B18-36267-3	B18-36267-4
Date Collected	26-Nov-18	26-Nov-18	26-Nov-18	26-Nov-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	28-Nov-18/O	16	17	28	10
pH @25°C	pH Units		SM 4500H	28-Nov-18/O	6.37	6.43	7.19	6.93
Conductivity @25°C	µmho/cm	1	SM 2510B	28-Nov-18/O	123	157	160	123
Chloride	mg/L	0.5	SM4110C	27-Nov-18/O	2.9	5.4	5.9	1.7
Nitrite (N)	mg/L	0.05	SM4110C	27-Nov-18/O	< 0.05	< 0.05	< 0.05	< 0.05
Nitrate (N)	mg/L	0.05	SM4110C	27-Nov-18/O	0.34	1.20	4.19	7.59
Sulphate	mg/L	1	SM4110C	27-Nov-18/O	23	32	18	9
BOD(5 day)	mg/L	3	SM 5210B	28-Nov-18/K	< 3	< 3	4	5
Total Suspended Solids	mg/L	3	SM2540D	27-Nov-18/K	< 3	6	22	130
o-Phosphate (P)	mg/L	0.01	PE4500-S	28-Nov-18/K	0.02	0.03	0.19	0.22
Phosphorus-Total	mg/L	0.01	E3199A.1	28-Nov-18/K	0.09	0.09	0.30	0.65
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	28-Nov-18/K	2.2	1.8	2.0	3.9
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	28-Nov-18/K	0.07	0.09	0.13	0.16
Ammonia (N)-unionized	mg/L	0.01	CALC	28-Nov-18/K	< 0.01	< 0.01	< 0.01	< 0.01
Total Dissolved Solids	mg/L	3	SM 2540D	29-Nov-18/O	62	80	81	62
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	28-Nov-18/O	56.8	41.2	19.0	17.0
Phenolics	mg/L	0.002	MOEE 3179	29-Nov-18/K	0.003	< 0.002	< 0.002	< 0.002
COD	mg/L	5	SM 5220D	28-Nov-18/O	149	99	73	125
Hardness (as CaCO3)	mg/L	1	SM 3120	29-Nov-18/O	53	56	61	58
Aluminum	mg/L	0.01	SM 3120	29-Nov-18/O	0.43	0.23	0.10	0.06
Arsenic	mg/L	0.0001	EPA 200.8	28-Nov-18/O	0.0007	0.0006	0.0005	0.0005
Barium	mg/L	0.001	SM 3120	29-Nov-18/O	0.028	0.030	0.066	0.099
Boron	mg/L	0.005	SM 3120	29-Nov-18/O	0.005	0.023	< 0.005	0.007
Cadmium	mg/L	0.00015	EPA 200.8	28-Nov-18/O	0.000123	0.000120	0.000119	0.000162
Calcium	mg/L	0.02	SM 3120	29-Nov-18/O	9.92	10.4	12.3	10.8
Chromium	mg/L	0.001	EPA 200.8	28-Nov-18/O	0.002	0.002	0.005	0.009
Cobalt	mg/L	0.0001	EPA 200.8	28-Nov-18/O	0.0010	0.0010	0.0012	0.0021



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Michelle Dubien  
Lab Manager

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C.O.C.: G82068

REPORT No. B18-36267

Rev. 1

**Report To:**

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 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
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 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.	18-W035	18-W034	18-W042	18-W037
					Sample I.D.	26-Nov-18	26-Nov-18	26-Nov-18	26-Nov-18
Copper	mg/L	0.0001	EPA 200.8	28-Nov-18/O	B18-36267-1	0.0011	0.0037	0.0065	0.0092
Iron	mg/L	0.005	SM 3120	29-Nov-18/O	B18-36267-2	1.17	1.07	2.44	5.72
Lead	mg/L	0.00002	EPA 200.8	28-Nov-18/O	B18-36267-3	0.00195	0.00129	0.00138	0.00365
Magnesium	mg/L	0.02	SM 3120	29-Nov-18/O	B18-36267-4	6.74	7.19	7.37	7.54
Manganese	mg/L	0.001	SM 3120	29-Nov-18/O		0.070	0.070	0.042	0.062
Mercury	mg/L	0.00002	SM 3112 B	30-Nov-18/O		< 0.00002	< 0.00002	< 0.00002	< 0.00002
Nickel	mg/L	0.0002	EPA 200.8	28-Nov-18/O		0.0029	0.0035	0.0040	0.0055
Potassium	mg/L	0.1	SM 3120	29-Nov-18/O		1.5	1.7	4.7	5.2
Silver	mg/L	0.0001	EPA 200.8	28-Nov-18/O		< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	29-Nov-18/O		5.1	6.9	4.4	2.8
Strontium	mg/L	0.001	SM 3120	29-Nov-18/O		0.069	0.075	0.072	0.053
Vanadium	mg/L	0.005	SM 3120	29-Nov-18/O		< 0.005	< 0.005	0.006	0.010
Zinc	mg/L	0.005	SM 3120	29-Nov-18/O		0.099	0.046	0.034	0.344
pH	pH Units		Client Supplied Data	26-Nov-18		8.85	8.37	8.26	8.21
Temperature	°C		Client Supplied Data	26-Nov-18		2.68	2.47	1.87	1.65

1 Revised to convert reporting units for metals to mg/L



R.L. = Reporting Limit

Test methods are 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.: G82068**

**REPORT No. B18-36267**

**Rev. 1**

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 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

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 Tel: 613-544-2001  
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DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

Client I.D.	18-W032	18-W030	18-W043	18-W047
Sample I.D.	B18-36267-5	B18-36267-6	B18-36267-7	B18-36267-8
Date Collected	26-Nov-18	26-Nov-18	26-Nov-18	26-Nov-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	28-Nov-18/O	46	14	76	70
pH @25°C	pH Units		SM 4500H	28-Nov-18/O	7.67	7.10	7.52	7.62
Conductivity @25°C	µmho/cm	1	SM 2510B	28-Nov-18/O	134	80	383	376
Chloride	mg/L	0.5	SM4110C	27-Nov-18/O	1.3	1.2	26.9	28.2
Nitrite (N)	mg/L	0.05	SM4110C	27-Nov-18/O	< 0.05	< 0.05	0.05	< 0.05
Nitrate (N)	mg/L	0.05	SM4110C	27-Nov-18/O	2.66	3.27	14.3	7.56
Sulphate	mg/L	1	SM4110C	27-Nov-18/O	5	7	8	36
BOD(5 day)	mg/L	3	SM 5210B	28-Nov-18/K	< 3	< 3	16	10
Total Suspended Solids	mg/L	3	SM2540D	27-Nov-18/K	16	19	70	175
o-Phosphate (P)	mg/L	0.01	PE4500-S	28-Nov-18/K	0.04	0.08	0.18	0.22
Phosphorus-Total	mg/L	0.01	E3199A.1	28-Nov-18/K	0.44	0.09	0.82	0.43
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	28-Nov-18/K	1.9	2.2	5.1	1.9
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	28-Nov-18/K	0.08	0.08	0.22	0.12
Ammonia (N)-unionized	mg/L	0.01	CALC	28-Nov-18/K	< 0.01	< 0.01	0.02	0.01
Total Dissolved Solids	mg/L	3	SM 2540D	29-Nov-18/O	68	40	197	194
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	28-Nov-18/O	24.5	2.3	10.4	16.7
Phenolics	mg/L	0.002	MOEE 3179	29-Nov-18/K	< 0.002	< 0.002	0.004	0.005
COD	mg/L	5	SM 5220D	28-Nov-18/O	21	36	73	47
Hardness (as CaCO3)	mg/L	1	SM 3120	29-Nov-18/O	56	37	158	149
Aluminum	mg/L	0.01	SM 3120	29-Nov-18/O	0.02	0.05	0.03	0.05
Arsenic	mg/L	0.0001	EPA 200.8	28-Nov-18/O	0.0004	0.0005	0.0005	0.0005
Barium	mg/L	0.001	SM 3120	29-Nov-18/O	0.062	0.091	0.123	0.098
Boron	mg/L	0.005	SM 3120	29-Nov-18/O	0.021	0.005	0.010	0.010
Cadmium	mg/L	0.00015	EPA 200.8	28-Nov-18/O	0.000046	0.000117	0.000070	0.000126
Calcium	mg/L	0.02	SM 3120	29-Nov-18/O	9.21	4.88	34.3	34.3
Chromium	mg/L	0.001	EPA 200.8	28-Nov-18/O	0.004	0.008	0.009	0.007
Cobalt	mg/L	0.0001	EPA 200.8	28-Nov-18/O	0.0010	0.0020	0.0024	0.0018



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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.: G82068

REPORT No. B18-36267

Rev. 1

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.			
					18-W032	18-W030	18-W043	18-W047
					Sample I.D.			
					B18-36267-5	B18-36267-6	B18-36267-7	B18-36267-8
					Date Collected			
					26-Nov-18	26-Nov-18	26-Nov-18	26-Nov-18
Copper	mg/L	0.0001	EPA 200.8	28-Nov-18/O	0.0022	0.0063	0.0068	0.0058
Iron	mg/L	0.005	SM 3120	29-Nov-18/O	2.44	5.56	7.08	4.85
Lead	mg/L	0.00002	EPA 200.8	28-Nov-18/O	0.00100	0.00226	0.00221	0.00214
Magnesium	mg/L	0.02	SM 3120	29-Nov-18/O	8.06	6.05	17.5	15.3
Manganese	mg/L	0.001	SM 3120	29-Nov-18/O	0.020	0.049	0.074	0.060
Mercury	mg/L	0.00002	SM 3112 B	30-Nov-18/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Nickel	mg/L	0.0002	EPA 200.8	28-Nov-18/O	0.0023	0.0056	0.0057	0.0055
Potassium	mg/L	0.1	SM 3120	29-Nov-18/O	1.0	2.5	4.2	5.1
Silver	mg/L	0.0001	EPA 200.8	28-Nov-18/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	29-Nov-18/O	5.3	3.0	10.1	11.0
Strontium	mg/L	0.001	SM 3120	29-Nov-18/O	0.141	0.063	0.163	0.158
Vanadium	mg/L	0.005	SM 3120	29-Nov-18/O	< 0.005	0.009	0.012	0.009
Zinc	mg/L	0.005	SM 3120	29-Nov-18/O	0.020	0.036	0.032	0.033
pH	pH Units		Client Supplied Data	26-Nov-18	8.74	9.11	8.73	8.90
Temperature	°C		Client Supplied Data	26-Nov-18	3.25	2.45	10.2	4.34

1 Revised to convert reporting units for metals to mg/L



R.L. = Reporting Limit

Test methods are 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.: G82068

REPORT No. B18-36267

Rev. 1

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
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 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

<b>Client I.D.</b>	18-W044		
<b>Sample I.D.</b>	B18-36267-9		
<b>Date Collected</b>	26-Nov-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	28-Nov-18/O	87		
pH @25°C	pH Units		SM 4500H	28-Nov-18/O	7.76		
Conductivity @25°C	µmho/cm	1	SM 2510B	28-Nov-18/O	491		
Chloride	mg/L	0.5	SM4110C	27-Nov-18/O	52.8		
Nitrite (N)	mg/L	0.05	SM4110C	27-Nov-18/O	< 0.05		
Nitrate (N)	mg/L	0.05	SM4110C	27-Nov-18/O	7.35		
Sulphate	mg/L	1	SM4110C	27-Nov-18/O	34		
BOD(5 day)	mg/L	3	SM 5210B	28-Nov-18/K	3		
Total Suspended Solids	mg/L	3	SM2540D	27-Nov-18/K	28		
o-Phosphate (P)	mg/L	0.01	PE4500-S	28-Nov-18/K	0.31		
Phosphorus-Total	mg/L	0.01	E3199A.1	28-Nov-18/K	0.45		
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	28-Nov-18/K	2.0		
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	28-Nov-18/K	0.13		
Ammonia (N)-unionized	mg/L	0.01	CALC	28-Nov-18/K	< 0.01		
Total Dissolved Solids	mg/L	3	SM 2540D	29-Nov-18/O	254		
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	28-Nov-18/O	15.9		
Phenolics	mg/L	0.002	MOEE 3179	29-Nov-18/K	0.004		
COD	mg/L	5	SM 5220D	28-Nov-18/O	54		
Hardness (as CaCO3)	mg/L	1	SM 3120	29-Nov-18/O	152		
Aluminum	mg/L	0.01	SM 3120	29-Nov-18/O	0.04		
Arsenic	mg/L	0.0001	EPA 200.8	28-Nov-18/O	0.0007		
Barium	mg/L	0.001	SM 3120	29-Nov-18/O	0.085		
Boron	mg/L	0.005	SM 3120	29-Nov-18/O	0.009		
Cadmium	mg/L	0.000015	EPA 200.8	28-Nov-18/O	0.000081		
Calcium	mg/L	0.02	SM 3120	29-Nov-18/O	35.0		
Chromium	mg/L	0.001	EPA 200.8	28-Nov-18/O	0.004		
Cobalt	mg/L	0.0001	EPA 200.8	28-Nov-18/O	0.0013		



R.L. = Reporting Limit

Test methods are 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.: G82068

REPORT No. B18-36267

Rev. 1

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
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DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 28-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

<b>Client I.D.</b>	18-W044		
<b>Sample I.D.</b>	B18-36267-9		
<b>Date Collected</b>	26-Nov-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Copper	mg/L	0.0001	EPA 200.8	28-Nov-18/O	0.0048		
Iron	mg/L	0.005	SM 3120	29-Nov-18/O	2.59		
Lead	mg/L	0.00002	EPA 200.8	28-Nov-18/O	0.00152		
Magnesium	mg/L	0.02	SM 3120	29-Nov-18/O	15.6		
Manganese	mg/L	0.001	SM 3120	29-Nov-18/O	0.046		
Mercury	mg/L	0.00002	SM 3112 B	30-Nov-18/O	< 0.00002		
Nickel	mg/L	0.0002	EPA 200.8	28-Nov-18/O	0.0034		
Potassium	mg/L	0.1	SM 3120	29-Nov-18/O	6.9		
Silver	mg/L	0.0001	EPA 200.8	28-Nov-18/O	< 0.0001		
Sodium	mg/L	0.2	SM 3120	29-Nov-18/O	23.2		
Strontium	mg/L	0.001	SM 3120	29-Nov-18/O	0.188		
Vanadium	mg/L	0.005	SM 3120	29-Nov-18/O	0.005		
Zinc	mg/L	0.005	SM 3120	29-Nov-18/O	0.027		
pH	pH Units		Client Supplied Data	26-Nov-18	8.52		
Temperature	°C		Client Supplied Data	26-Nov-18	4.00		

1 Revised to convert reporting units for metals to mg/L



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.: G82074

REPORT No. B18-36450 (i)

Rev. 1

**Report To:**

**Malroz Engineering Inc.**  
308 Wellington Street, 2nd Floor  
Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
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Tel: 613-544-2001  
Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W056	18-W046		
<b>Sample I.D.</b>	B18-36450-1	B18-36450-2		
<b>Date Collected</b>	27-Nov-18	27-Nov-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	28-Nov-18/O	347	82		
pH @25°C	pH Units		SM 4500H	28-Nov-18/O	7.31	7.81		
Conductivity @25°C	µmho/cm	1	SM 2510B	28-Nov-18/O	1580	398		
Chloride	mg/L	0.5	SM4110C	28-Dec-18/O	38.4	3.1		
Nitrite (N)	mg/L	0.05	SM4110C	28-Dec-18/O	< 0.05	< 0.05		
Nitrate (N)	mg/L	0.05	SM4110C	28-Dec-18/O	13.3	23.5		
Sulphate	mg/L	1	SM4110C	28-Dec-18/O	399	9		
BOD(5 day)	mg/L	3	SM 5210B	29-Nov-18/K	< 3	< 3		
Total Suspended Solids	mg/L	3	SM2540D	29-Nov-18/K	7	14		
Phosphorus-Total	mg/L	0.01	E3199A.1	28-Nov-18/K	0.06	0.21		
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	28-Nov-18/K	2.3	2.0		
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	28-Nov-18/K	0.15	0.05		
Total Dissolved Solids	mg/L	3	SM 2540D	29-Nov-18/O	863	205		
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	29-Nov-18/O	24.0	15.6		
Phenolics	mg/L	0.002	MOEE 3179	29-Nov-18/K	< 0.002	< 0.002		
COD	mg/L	5	SM 5220D	30-Nov-18/O	62	47		
Hardness (as CaCO3)	mg/L	1	SM 3120	29-Nov-18/O	732	172		
Aluminum	mg/L	0.01	SM 3120	29-Nov-18/O	0.09	0.03		
Arsenic	mg/L	0.0001	EPA 200.8	29-Nov-18/O	0.0005	0.0003		
Barium	mg/L	0.001	SM 3120	29-Nov-18/O	0.191	0.033		
Boron	mg/L	0.005	SM 3120	29-Nov-18/O	0.725	< 0.005		
Cadmium	mg/L	0.000015	EPA 200.8	29-Nov-18/O	0.000065	< 0.000015		
Calcium	mg/L	0.02	SM 3120	29-Nov-18/O	229	40.5		
Chromium	mg/L	0.001	EPA 200.8	29-Nov-18/O	< 0.001	0.003		
Cobalt	mg/L	0.0001	EPA 200.8	29-Nov-18/O	0.0008	0.0003		
Copper	mg/L	0.0001	EPA 200.8	29-Nov-18/O	0.0056	0.0041		
Iron	mg/L	0.005	SM 3120	29-Nov-18/O	0.012	0.027		



R.L. = Reporting Limit

Test methods are 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.: G82074

REPORT No. B18-36450 (i)

Rev. 1

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W056	18-W046		
<b>Sample I.D.</b>	B18-36450-1	B18-36450-2		
<b>Date Collected</b>	27-Nov-18	27-Nov-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Lead	mg/L	0.00002	EPA 200.8	29-Nov-18/O	0.00009	0.00004		
Magnesium	mg/L	0.02	SM 3120	29-Nov-18/O	38.8	17.2		
Manganese	mg/L	0.001	SM 3120	29-Nov-18/O	0.604	< 0.001		
Mercury	mg/L	0.00002	SM 3112 B	30-Nov-18/O	< 0.00002	< 0.00002		
Potassium	mg/L	0.1	SM 3120	29-Nov-18/O	16.6	1.2		
Silver	mg/L	0.0001	EPA 200.8	29-Nov-18/O	< 0.0001	< 0.0001		
Sodium	mg/L	0.2	SM 3120	29-Nov-18/O	62.5	7.2		
Strontium	mg/L	0.001	SM 3120	29-Nov-18/O	1.95	0.181		
Uranium	mg/L	0.00005	EPA 200.8	29-Nov-18/O	0.00142	0.00029		
Vanadium	mg/L	0.005	SM 3120	29-Nov-18/O	< 0.005	< 0.005		
Zinc	mg/L	0.005	SM 3120	29-Nov-18/O	< 0.005	< 0.005		

1. Revised to convert reporting units for metals to mg/L



Michelle Dubien  
 Lab Manager

R.L. = Reporting Limit

Test methods are 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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C.O.C.: G82074

REPORT No. B18-36450 (ii)

Rev. 1

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
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DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W056	18-W046		
<b>Sample I.D.</b>	B18-36450-1	B18-36450-2		
<b>Date Collected</b>	27-Nov-18	27-Nov-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Acetone	µg/L	30	EPA 8260	29-Nov-18/R	< 30	< 30		
Benzene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Bromobenzene	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1	< 0.1		
Bromochloromethane	µg/L	0.2	EPA 8260	29-Nov-18/R	< 0.2	< 0.2		
Bromodichloromethane	µg/L	2	EPA 8260	29-Nov-18/R	< 2	< 2		
Bromoform	µg/L	5	EPA 8260	29-Nov-18/R	< 5	< 5		
Bromomethane	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Carbon Tetrachloride	µg/L	0.2	EPA 8260	29-Nov-18/R	< 0.2	< 0.2		
Chloroethane	µg/L	0.08	EPA 8260	29-Nov-18/R	< 0.08	< 0.08		
Chloroform	µg/L	1	EPA 8260	29-Nov-18/R	< 1	< 1		
Chloromethane	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06	< 0.06		
Chlorotoluene,2-	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06	< 0.06		
Chlorotoluene,4-	µg/L	0.08	EPA 8260	29-Nov-18/R	< 0.08	< 0.08		
Dibromo-3-Chloropropane, 1,2-	µg/L	0.07	EPA 8260	29-Nov-18/R	< 0.07	< 0.07		
Dibromochloromethane	µg/L	2	EPA 8260	29-Nov-18/R	< 2	< 2		
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.2	EPA 8260	29-Nov-18/R	< 0.2	< 0.2		
Dibromomethane	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06	< 0.06		
Dichlorobenzene,1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Dichlorobenzene,1,3-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Dichlorobenzene,1,4-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Dichlorodifluoromethane	µg/L	2	EPA 8260	29-Nov-18/R	< 2	< 2		
Dichloroethane,1,1-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Dichloroethane,1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Dichloroethylene,1,1-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Dichloroethene, cis-1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Dichloroethene, trans-1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		



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.: G82074

REPORT No. B18-36450 (ii)

Rev. 1

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 308 Wellington Street, 2nd Floor  
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**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
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 Tel: 613-544-2001  
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DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W056	18-W046		
<b>Sample I.D.</b>	B18-36450-1	B18-36450-2		
<b>Date Collected</b>	27-Nov-18	27-Nov-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Dichloromethane (Methylene Chloride)	µg/L	5	EPA 8260	29-Nov-18/R	< 5	< 5		
Dichloropropane,1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Dichloropropane,1,3-	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1	< 0.1		
Dichloropropane,2,2-	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1	< 0.1		
Dichloropropene 1,3-cis+trans	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Dichloropropene, cis-1,3-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Dichloropropene, trans-1,3-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Dichloropropene,1,1-	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1	< 0.1		
Dioxane, 1,4-	µg/L	20	EPA 8260	29-Nov-18/R	< 20	< 20		
Ethylbenzene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Hexachlorobutadiene	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06	< 0.06		
Hexane	µg/L	5	EPA 8260	29-Nov-18/R	< 5	< 5		
Isopropylbenzene	µg/L	0.04	EPA 8260	29-Nov-18/R	< 0.04	< 0.04		
Isopropyltoluene,4-	µg/L	0.05	EPA 8260	29-Nov-18/R	< 0.05	< 0.05		
Methyl Butyl Ketone	µg/L	10	EPA 8260	29-Nov-18/R	< 10	< 10		
Methyl Ethyl Ketone	µg/L	20	EPA 8260	29-Nov-18/R	< 20	< 20		
Methyl Isobutyl Ketone	µg/L	20	EPA 8260	29-Nov-18/R	< 20	< 20		
Methyl-t-butyl Ether	µg/L	2	EPA 8260	29-Nov-18/R	< 2	< 2		
Monochlorobenzene (Chlorobenzene)	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Naphthalene	µg/L	0.04	EPA 8260	29-Nov-18/R	< 0.04	< 0.04		
n-Butylbenzene	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1	< 0.1		
n-Propylbenzene	µg/L	0.03	EPA 8260	29-Nov-18/R	< 0.03	< 0.03		
sec-Butylbenzene	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06	< 0.06		
Styrene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
tert-Butylbenzene	µg/L	0.03	EPA 8260	29-Nov-18/R	< 0.03	< 0.03		



R.L. = Reporting Limit

Test methods are 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 Caduceon Environmental Laboratories.

C.O.C.: G82074

REPORT No. B18-36450 (ii)

Rev. 1

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W056	18-W046		
<b>Sample I.D.</b>	B18-36450-1	B18-36450-2		
<b>Date Collected</b>	27-Nov-18	27-Nov-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Tetrachloroethane,1,1,1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Tetrachloroethane,1,1,2,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Tetrachloroethylene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Toluene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Total Trihalomethanes	µg/L	6	EPA 8260	29-Nov-18/R	< 6	< 6		
Trichlorobenzene,1,2,3-	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1	< 0.1		
Trichlorobenzene,1,2,4-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Trichloroethane,1,1,1-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Trichloroethane,1,1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Trichloroethylene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Trichlorofluoromethane	µg/L	5	EPA 8260	29-Nov-18/R	< 5	< 5		
Trichloropropane,1,2,3-	µg/L	0.07	EPA 8260	29-Nov-18/R	< 0.07	< 0.07		
Trimethylbenzene,1,2,4-	µg/L	0.03	EPA 8260	29-Nov-18/R	< 0.03	< 0.03		
Trimethylbenzene,1,3,5-	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06	< 0.06		
Vinyl Chloride	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		
Xylene, m,p-	µg/L	1.0	EPA 8260	29-Nov-18/R	< 1.0	< 1.0		
Xylene, m,p,o-	µg/L	1.1	EPA 8260	29-Nov-18/R	< 1.1	< 1.1		
Xylene, o-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5		

1 Revised to include additional VOCs



Michelle Dubien  
 Lab Manager

R.L. = Reporting Limit

Test methods are 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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C.O.C.: G82075

REPORT No. B18-36455 (i)

Rev. 1

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 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
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 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	18-W055	18-W051	18-W052	18-W060
Sample I.D.	B18-36455-1	B18-36455-2	B18-36455-3	B18-36455-4
Date Collected	27-Nov-18	27-Nov-18	27-Nov-18	27-Nov-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	28-Nov-18/O	249	643	380	168
pH @25°C	pH Units		SM 4500H	28-Nov-18/O	7.97	7.47	7.94	7.84
Conductivity @25°C	µmho/cm	1	SM 2510B	28-Nov-18/O	689	2260	879	716
Chloride	mg/L	0.5	SM4110C	28-Dec-18/O	3.2	333	35.4	41.3
Nitrite (N)	mg/L	0.05	SM4110C	28-Dec-18/O	< 0.05	< 0.05	< 0.05	< 0.05
Nitrate (N)	mg/L	0.05	SM4110C	28-Dec-18/O	22.3	< 0.05	< 0.05	1.80
Sulphate	mg/L	1	SM4110C	28-Dec-18/O	9	47	29	118
BOD(5 day)	mg/L	3	SM 5210B	29-Nov-18/K	< 3	< 3	< 3	< 3
Total Suspended Solids	mg/L	3	SM2540D	29-Nov-18/K	13500	111000	700	11000
Phosphorus-Total	mg/L	0.01	E3199A.1	29-Nov-18/K	5.64	11.2	0.91	5.31
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	29-Nov-18/K	0.8	1.4	2.0	1.5
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	28-Nov-18/K	0.05	0.17	0.89	0.04
Total Dissolved Solids	mg/L	3	SM 2540D	29-Nov-18/O	358	1251	465	372
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	29-Nov-18/O	5.0	4.7	18.9	8.1
Phenolics	mg/L	0.002	MOEE 3179	29-Nov-18/K	< 0.002	0.009	< 0.002	< 0.002
COD	mg/L	5	SM 5220D	30-Nov-18/O	64	91	109	109
Hardness (as CaCO3)	mg/L	1	SM 3120	29-Nov-18/O	334	918	448	260
Aluminum	mg/L	0.01	SM 3120	29-Nov-18/O	0.04	0.08	0.06	0.04
Arsenic	mg/L	0.0001	EPA 200.8	29-Nov-18/O	< 0.0001	0.0066	0.0006	0.0002
Barium	mg/L	0.001	SM 3120	29-Nov-18/O	0.111	0.594	0.437	0.045
Boron	mg/L	0.005	SM 3120	29-Nov-18/O	< 0.005	0.038	0.054	0.213
Cadmium	mg/L	0.00015	EPA 200.8	29-Nov-18/O	0.000127	< 0.000015	< 0.000015	< 0.000015
Calcium	mg/L	0.02	SM 3120	29-Nov-18/O	77.7	193	96.2	64.6
Chromium	mg/L	0.001	EPA 200.8	29-Nov-18/O	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	mg/L	0.0001	EPA 200.8	29-Nov-18/O	0.0012	0.0031	0.0002	0.0002
Copper	mg/L	0.0001	EPA 200.8	29-Nov-18/O	0.0015	0.0006	0.0003	0.0024
Iron	mg/L	0.005	SM 3120	29-Nov-18/O	< 0.005	6.58	2.05	0.007



R.L. = Reporting Limit

Test methods are 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.: G82075

REPORT No. B18-36455 (i)

Rev. 1

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W055	18-W051	18-W052	18-W060
<b>Sample I.D.</b>	B18-36455-1	B18-36455-2	B18-36455-3	B18-36455-4
<b>Date Collected</b>	27-Nov-18	27-Nov-18	27-Nov-18	27-Nov-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Lead	mg/L	0.00002	EPA 200.8	29-Nov-18/O	< 0.00002	0.00003	0.00003	< 0.00002
Magnesium	mg/L	0.02	SM 3120	29-Nov-18/O	34.1	106	50.4	24.0
Manganese	mg/L	0.001	SM 3120	29-Nov-18/O	0.001	1.01	0.145	0.003
Mercury	mg/L	0.00002	SM 3112 B	04-Dec-18/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Potassium	mg/L	0.1	SM 3120	29-Nov-18/O	1.1	2.4	3.1	0.7
Silver	mg/L	0.0001	EPA 200.8	29-Nov-18/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	29-Nov-18/O	11.1	127	17.5	45.9
Strontium	mg/L	0.001	SM 3120	29-Nov-18/O	0.342	1.10	0.846	0.167
Uranium	mg/L	0.00005	EPA 200.8	29-Nov-18/O	0.00134	0.00227	0.00010	0.00043
Vanadium	mg/L	0.005	SM 3120	29-Nov-18/O	< 0.005	0.008	0.005	< 0.005
Zinc	mg/L	0.005	SM 3120	29-Nov-18/O	< 0.005	< 0.005	< 0.005	< 0.005

1 Revised to convert reporting units for metals to mg/L



Michelle Dubien  
 Lab Manager

R.L. = Reporting Limit

Test methods are 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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DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	18-W050	18-W058	18-W048	18-W049
Sample I.D.	B18-36455-5	B18-36455-6	B18-36455-7	B18-36455-8
Date Collected	27-Nov-18	27-Nov-18	27-Nov-18	27-Nov-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	28-Nov-18/O	460	759	461	615
pH @25°C	pH Units		SM 4500H	28-Nov-18/O	8.03	7.91	7.80	7.79
Conductivity @25°C	µmho/cm	1	SM 2510B	28-Nov-18/O	1080	2920	1580	1300
Chloride	mg/L	0.5	SM4110C	28-Dec-18/O	66.9	166	195	47.1
Nitrite (N)	mg/L	0.05	SM4110C	28-Dec-18/O	< 0.05	< 0.05	< 0.05	< 0.05
Nitrate (N)	mg/L	0.05	SM4110C	28-Dec-18/O	< 0.05	< 0.05	0.12	< 0.05
Sulphate	mg/L	1	SM4110C	28-Dec-18/O	13	722	85	25
BOD(5 day)	mg/L	3	SM 5210B	29-Nov-18/K	< 3	8	< 3	< 3
Total Suspended Solids	mg/L	3	SM2540D	29-Nov-18/K	103000	1750	19000	39000
Phosphorus-Total	mg/L	0.01	E3199A.1	29-Nov-18/K	11.3	3.14	7.46	6.31
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	29-Nov-18/K	2.1	1.3	0.9	1.3
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	28-Nov-18/K	0.45	0.06	0.08	0.29
Total Dissolved Solids	mg/L	3	SM 2540D	29-Nov-18/O	579	1628	863	704
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	29-Nov-18/O	8.5	15.0	3.6	10.5
Phenolics	mg/L	0.002	MOEE 3179	29-Nov-18/K	0.003	< 0.002	0.003	< 0.002
COD	mg/L	5	SM 5220D	30-Nov-18/O	138	141	104	116
Hardness (as CaCO3)	mg/L	1	SM 3120	29-Nov-18/O	524	1190	732	676
Aluminum	mg/L	0.01	SM 3120	29-Nov-18/O	0.04	0.10	0.07	0.07
Arsenic	mg/L	0.0001	EPA 200.8	29-Nov-18/O	0.0003	0.0031	0.0001	0.0011
Barium	mg/L	0.001	SM 3120	29-Nov-18/O	0.787	0.089	0.193	0.566
Boron	mg/L	0.005	SM 3120	29-Nov-18/O	0.298	1.97	0.101	0.325
Cadmium	mg/L	0.000015	EPA 200.8	29-Nov-18/O	< 0.000015	< 0.000015	< 0.000015	< 0.000015
Calcium	mg/L	0.02	SM 3120	29-Nov-18/O	88.6	246	158	139
Chromium	mg/L	0.001	EPA 200.8	29-Nov-18/O	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	mg/L	0.0001	EPA 200.8	29-Nov-18/O	0.0001	0.0053	0.0013	0.0013
Copper	mg/L	0.0001	EPA 200.8	29-Nov-18/O	0.0002	0.0022	0.0010	0.0005
Iron	mg/L	0.005	SM 3120	29-Nov-18/O	0.616	0.028	< 0.005	3.34



R.L. = Reporting Limit

Test methods are 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.: G82075

REPORT No. B18-36455 (i)

Rev. 1

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W050	18-W058	18-W048	18-W049
<b>Sample I.D.</b>	B18-36455-5	B18-36455-6	B18-36455-7	B18-36455-8
<b>Date Collected</b>	27-Nov-18	27-Nov-18	27-Nov-18	27-Nov-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Lead	mg/L	0.00002	EPA 200.8	29-Nov-18/O	0.00002	0.00005	< 0.00002	0.00007
Magnesium	mg/L	0.02	SM 3120	29-Nov-18/O	73.6	139	81.9	79.9
Manganese	mg/L	0.001	SM 3120	29-Nov-18/O	0.038	0.786	0.135	0.163
Mercury	mg/L	0.00002	SM 3112 B	04-Dec-18/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Potassium	mg/L	0.1	SM 3120	29-Nov-18/O	3.4	17.2	2.9	3.3
Silver	mg/L	0.0001	EPA 200.8	29-Nov-18/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	29-Nov-18/O	46.5	303	44.2	42.1
Strontium	mg/L	0.001	SM 3120	29-Nov-18/O	2.01	2.58	0.682	1.43
Uranium	mg/L	0.00005	EPA 200.8	29-Nov-18/O	< 0.00005	0.0272	0.00350	0.00121
Vanadium	mg/L	0.005	SM 3120	29-Nov-18/O	0.007	0.009	< 0.005	0.006
Zinc	mg/L	0.005	SM 3120	29-Nov-18/O	< 0.005	< 0.005	< 0.005	< 0.005

1 Revised to convert reporting units for metals to mg/L



Michelle Dubien  
 Lab Manager

R.L. = Reporting Limit

Test methods are 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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C.O.C.: G82075

REPORT No. B18-36455 (i)

Rev. 1

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**Attention:** Camille Malcolm

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 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W053		
<b>Sample I.D.</b>	B18-36455-9		
<b>Date Collected</b>	27-Nov-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	28-Nov-18/O	401		
pH @25°C	pH Units		SM 4500H	28-Nov-18/O	7.53		
Conductivity @25°C	µmho/cm	1	SM 2510B	28-Nov-18/O	1620		
Chloride	mg/L	0.5	SM4110C	28-Dec-18/O	43.5		
Nitrite (N)	mg/L	0.05	SM4110C	28-Dec-18/O	< 0.05		
Nitrate (N)	mg/L	0.05	SM4110C	28-Dec-18/O	10.8		
Sulphate	mg/L	1	SM4110C	28-Dec-18/O	400		
BOD(5 day)	mg/L	3	SM 5210B	29-Nov-18/K	< 3		
Total Suspended Solids	mg/L	3	SM2540D	29-Nov-18/K	140		
Phosphorus-Total	mg/L	0.01	E3199A.1	29-Nov-18/K	0.30		
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	29-Nov-18/K	2.8		
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	28-Nov-18/K	0.20		
Total Dissolved Solids	mg/L	3	SM 2540D	29-Nov-18/O	886		
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	29-Nov-18/O	23.7		
Phenolics	mg/L	0.002	MOEE 3179	29-Nov-18/K	< 0.002		
COD	mg/L	5	SM 5220D	30-Nov-18/O	102		
Hardness (as CaCO3)	mg/L	1	SM 3120	29-Nov-18/O	797		
Aluminum	mg/L	0.01	SM 3120	29-Nov-18/O	0.10		
Arsenic	mg/L	0.0001	EPA 200.8	29-Nov-18/O	0.0005		
Barium	mg/L	0.001	SM 3120	29-Nov-18/O	0.201		
Boron	mg/L	0.005	SM 3120	29-Nov-18/O	0.792		
Cadmium	mg/L	0.00015	EPA 200.8	29-Nov-18/O	0.000114		
Calcium	mg/L	0.02	SM 3120	29-Nov-18/O	242		
Chromium	mg/L	0.001	EPA 200.8	29-Nov-18/O	< 0.001		
Cobalt	mg/L	0.0001	EPA 200.8	29-Nov-18/O	0.0009		
Copper	mg/L	0.0001	EPA 200.8	29-Nov-18/O	0.0059		
Iron	mg/L	0.005	SM 3120	29-Nov-18/O	0.020		



R.L. = Reporting Limit

Test methods are 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.: G82075

REPORT No. B18-36455 (i)

Rev. 1

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W053			
<b>Sample I.D.</b>	B18-36455-9			
<b>Date Collected</b>	27-Nov-18			

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Lead	mg/L	0.00002	EPA 200.8	29-Nov-18/O	0.00010		
Magnesium	mg/L	0.02	SM 3120	29-Nov-18/O	46.6		
Manganese	mg/L	0.001	SM 3120	29-Nov-18/O	1.20		
Mercury	mg/L	0.00002	SM 3112 B	04-Dec-18/O	< 0.00002		
Potassium	mg/L	0.1	SM 3120	29-Nov-18/O	15.1		
Silver	mg/L	0.0001	EPA 200.8	29-Nov-18/O	< 0.0001		
Sodium	mg/L	0.2	SM 3120	29-Nov-18/O	72.0		
Strontium	mg/L	0.001	SM 3120	29-Nov-18/O	1.96		
Uranium	mg/L	0.00005	EPA 200.8	29-Nov-18/O	0.00170		
Vanadium	mg/L	0.005	SM 3120	29-Nov-18/O	< 0.005		
Zinc	mg/L	0.005	SM 3120	29-Nov-18/O	0.017		

1. Revised to convert reporting units for metals to mg/L



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.: G82075

REPORT No. B18-36455 (ii)

Rev. 1

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DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W055	18-W051	18-W052	18-W060
<b>Sample I.D.</b>	B18-36455-1	B18-36455-2	B18-36455-3	B18-36455-4
<b>Date Collected</b>	27-Nov-18	27-Nov-18	27-Nov-18	27-Nov-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Acetone	µg/L	30	EPA 8260	29-Nov-18/R	< 30	< 30	< 30	< 30
Benzene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Bromobenzene	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1	< 0.1	< 0.1	< 0.1
Bromochloromethane	µg/L	0.2	EPA 8260	29-Nov-18/R	< 0.2	< 0.2	< 0.2	< 0.2
Bromodichloromethane	µg/L	2	EPA 8260	29-Nov-18/R	< 2	< 2	< 2	< 2
Bromoform	µg/L	5	EPA 8260	29-Nov-18/R	< 5	< 5	< 5	< 5
Bromomethane	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	µg/L	0.2	EPA 8260	29-Nov-18/R	< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	µg/L	0.08	EPA 8260	29-Nov-18/R	< 0.08	< 0.08	< 0.08	< 0.08
Chloroform	µg/L	1	EPA 8260	29-Nov-18/R	< 1	< 1	< 1	< 1
Chloromethane	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06	< 0.06	< 0.06	< 0.06
Chlorotoluene,2-	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06	< 0.06	< 0.06	< 0.06
Chlorotoluene,4-	µg/L	0.08	EPA 8260	29-Nov-18/R	< 0.08	< 0.08	< 0.08	< 0.08
Dibromo-3-Chloropropane, 1,2-	µg/L	0.07	EPA 8260	29-Nov-18/R	< 0.07	< 0.07	< 0.07	< 0.07
Dibromochloromethane	µg/L	2	EPA 8260	29-Nov-18/R	< 2	< 2	< 2	< 2
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.2	EPA 8260	29-Nov-18/R	< 0.2	< 0.2	< 0.2	< 0.2
Dibromomethane	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06	< 0.06	< 0.06	< 0.06
Dichlorobenzene,1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,3-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,4-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	µg/L	2	EPA 8260	29-Nov-18/R	< 2	< 2	< 2	< 2
Dichloroethane,1,1-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethane,1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, cis-1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, trans-1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethylene,1,1-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5



R.L. = Reporting Limit

Test methods are 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.: G82075

REPORT No. B18-36455 (ii)

Rev. 1

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 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	18-W055	18-W051	18-W052	18-W060
Sample I.D.	B18-36455-1	B18-36455-2	B18-36455-3	B18-36455-4
Date Collected	27-Nov-18	27-Nov-18	27-Nov-18	27-Nov-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Dichloromethane (Methylene Chloride)	µg/L	5	EPA 8260	29-Nov-18/R	< 5	< 5	< 5	< 5
Dichloropropane,1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropane,1,3-	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropane,2,2-	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropene 1,3-cis+trans	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, cis-1,3-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, trans-1,3-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene,1,1-	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1	< 0.1	< 0.1	< 0.1
Dioxane, 1,4-	µg/L	20	EPA 8260	29-Nov-18/R	< 20	< 20	< 20	< 20
Ethylbenzene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Hexachlorobutadiene	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06	< 0.06	< 0.06	< 0.06
Hexane	µg/L	5	EPA 8260	29-Nov-18/R	< 5	< 5	< 5	< 5
Isopropylbenzene	µg/L	0.04	EPA 8260	29-Nov-18/R	< 0.04	< 0.04	< 0.04	< 0.04
Isopropyltoluene,4-	µg/L	0.05	EPA 8260	29-Nov-18/R	< 0.05	< 0.05	< 0.05	< 0.05
Methyl Butyl Ketone	µg/L	10	EPA 8260	29-Nov-18/R	< 10	< 10	< 10	< 10
Methyl Ethyl Ketone	µg/L	20	EPA 8260	29-Nov-18/R	< 20	< 20	< 20	< 20
Methyl Isobutyl Ketone	µg/L	20	EPA 8260	29-Nov-18/R	< 20	< 20	< 20	< 20
Methyl-t-butyl Ether	µg/L	2	EPA 8260	29-Nov-18/R	< 2	< 2	< 2	< 2
Monochlorobenzene (Chlorobenzene)	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	µg/L	0.04	EPA 8260	29-Nov-18/R	< 0.04	< 0.04	< 0.04	< 0.04
n-Butylbenzene	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1	< 0.1	< 0.1	< 0.1
n-Propylbenzene	µg/L	0.03	EPA 8260	29-Nov-18/R	< 0.03	< 0.03	< 0.03	< 0.03
sec-Butylbenzene	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06	< 0.06	< 0.06	< 0.06
Styrene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butylbenzene	µg/L	0.03	EPA 8260	29-Nov-18/R	< 0.03	< 0.03	< 0.03	< 0.03



R.L. = Reporting Limit

Test methods are 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.: G82075

REPORT No. B18-36455 (ii)

Rev. 1

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	18-W055	18-W051	18-W052	18-W060
Sample I.D.	B18-36455-1	B18-36455-2	B18-36455-3	B18-36455-4
Date Collected	27-Nov-18	27-Nov-18	27-Nov-18	27-Nov-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Tetrachloroethane,1,1,1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethane,1,1,2,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethylene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Total Trihalomethanes	µg/L	6	EPA 8260	29-Nov-18/R	< 6	< 6	< 6	< 6
Trichlorobenzene,1,2,3-	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorobenzene,1,2,4-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane,1,1,1-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane,1,1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethylene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	µg/L	5	EPA 8260	29-Nov-18/R	< 5	< 5	< 5	< 5
Trichloropropane,1,2,3-	µg/L	0.07	EPA 8260	29-Nov-18/R	< 0.07	< 0.07	< 0.07	< 0.07
Trimethylbenzene,1,2,4-	µg/L	0.03	EPA 8260	29-Nov-18/R	< 0.03	< 0.03	< 0.03	< 0.03
Trimethylbenzene,1,3,5-	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06	< 0.06	< 0.06	< 0.06
Vinyl Chloride	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Xylene, m,p-	µg/L	1.0	EPA 8260	29-Nov-18/R	< 1.0	< 1.0	< 1.0	< 1.0
Xylene, m,p,o-	µg/L	1.1	EPA 8260	29-Nov-18/R	< 1.1	< 1.1	< 1.1	< 1.1
Xylene, o-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5

1 Revised to include additional VOCs



R.L. = Reporting Limit

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Michelle Dubien  
 Lab Manager

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**REPORT No. B18-36455 (ii)**

**Rev. 1**

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**Attention:** Camille Malcolm

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DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Client I.D.	18-W050	18-W058	18-W048	18-W049
Sample I.D.	B18-36455-5	B18-36455-6	B18-36455-7	B18-36455-8
Date Collected	27-Nov-18	27-Nov-18	27-Nov-18	27-Nov-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
					18-W050	18-W058	18-W048	18-W049
Acetone	µg/L	30	EPA 8260	29-Nov-18/R	< 30	< 30	< 30	< 30
Benzene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Bromobenzene	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1	< 0.1	< 0.1	< 0.1
Bromochloromethane	µg/L	0.2	EPA 8260	29-Nov-18/R	< 0.2	< 0.2	< 0.2	< 0.2
Bromodichloromethane	µg/L	2	EPA 8260	29-Nov-18/R	< 2	< 2	< 2	< 2
Bromoform	µg/L	5	EPA 8260	29-Nov-18/R	< 5	< 5	< 5	< 5
Bromomethane	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	µg/L	0.2	EPA 8260	29-Nov-18/R	< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	µg/L	0.08	EPA 8260	29-Nov-18/R	< 0.08	< 0.08	< 0.08	< 0.08
Chloroform	µg/L	1	EPA 8260	29-Nov-18/R	< 1	< 1	< 1	< 1
Chloromethane	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06	< 0.06	< 0.06	< 0.06
Chlorotoluene,2-	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06	< 0.06	< 0.06	< 0.06
Chlorotoluene,4-	µg/L	0.08	EPA 8260	29-Nov-18/R	< 0.08	< 0.08	< 0.08	< 0.08
Dibromo-3-Chloropropane, 1,2-	µg/L	0.07	EPA 8260	29-Nov-18/R	< 0.07	< 0.07	< 0.07	< 0.07
Dibromochloromethane	µg/L	2	EPA 8260	29-Nov-18/R	< 2	< 2	< 2	< 2
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.2	EPA 8260	29-Nov-18/R	< 0.2	< 0.2	< 0.2	< 0.2
Dibromomethane	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06	< 0.06	< 0.06	< 0.06
Dichlorobenzene,1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,3-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorobenzene,1,4-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	µg/L	2	EPA 8260	29-Nov-18/R	< 2	< 2	< 2	< 2
Dichloroethane,1,1-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethane,1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, cis-1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethene, trans-1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloroethylene,1,1-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5



R.L. = Reporting Limit

Test methods are 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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DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed	Client I.D.			
					18-W050	18-W058	18-W048	18-W049
					Sample I.D.			
					Date Collected			
Dichloromethane (Methylene Chloride)	µg/L	5	EPA 8260	29-Nov-18/R	< 5	< 5	< 5	< 5
Dichloropropane,1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropane,1,3-	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropane,2,2-	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1	< 0.1	< 0.1	< 0.1
Dichloropropene 1,3-cis+trans	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, cis-1,3-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene, trans-1,3-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Dichloropropene,1,1-	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1	< 0.1	< 0.1	< 0.1
Dioxane, 1,4-	µg/L	20	EPA 8260	29-Nov-18/R	< 20	< 20	< 20	< 20
Ethylbenzene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Hexachlorobutadiene	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06	< 0.06	< 0.06	< 0.06
Hexane	µg/L	5	EPA 8260	29-Nov-18/R	< 5	< 5	< 5	< 5
Isopropylbenzene	µg/L	0.04	EPA 8260	29-Nov-18/R	< 0.04	< 0.04	< 0.04	< 0.04
Isopropyltoluene,4-	µg/L	0.05	EPA 8260	29-Nov-18/R	< 0.05	< 0.05	< 0.05	< 0.05
Methyl Butyl Ketone	µg/L	10	EPA 8260	29-Nov-18/R	< 10	< 10	< 10	< 10
Methyl Ethyl Ketone	µg/L	20	EPA 8260	29-Nov-18/R	< 20	< 20	< 20	< 20
Methyl Isobutyl Ketone	µg/L	20	EPA 8260	29-Nov-18/R	< 20	< 20	< 20	< 20
Methyl-t-butyl Ether	µg/L	2	EPA 8260	29-Nov-18/R	< 2	< 2	< 2	< 2
Monochlorobenzene (Chlorobenzene)	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	µg/L	0.04	EPA 8260	29-Nov-18/R	< 0.04	< 0.04	< 0.04	< 0.04
n-Butylbenzene	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1	< 0.1	< 0.1	< 0.1
n-Propylbenzene	µg/L	0.03	EPA 8260	29-Nov-18/R	< 0.03	< 0.03	< 0.03	< 0.03
sec-Butylbenzene	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06	< 0.06	< 0.06	< 0.06
Styrene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butylbenzene	µg/L	0.03	EPA 8260	29-Nov-18/R	< 0.03	< 0.03	< 0.03	< 0.03



R.L. = Reporting Limit

Test methods are 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 Caduceon Environmental Laboratories.

C.O.C.: G82075

REPORT No. B18-36455 (ii)

Rev. 1

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W050	18-W058	18-W048	18-W049
<b>Sample I.D.</b>	B18-36455-5	B18-36455-6	B18-36455-7	B18-36455-8
<b>Date Collected</b>	27-Nov-18	27-Nov-18	27-Nov-18	27-Nov-18

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Tetrachloroethane,1,1,1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethane,1,1,2,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethylene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Total Trihalomethanes	µg/L	6	EPA 8260	29-Nov-18/R	< 6	< 6	< 6	< 6
Trichlorobenzene,1,2,3-	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorobenzene,1,2,4-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane,1,1,1-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethane,1,1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethylene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	µg/L	5	EPA 8260	29-Nov-18/R	< 5	< 5	< 5	< 5
Trichloropropane,1,2,3-	µg/L	0.07	EPA 8260	29-Nov-18/R	< 0.07	< 0.07	< 0.07	< 0.07
Trimethylbenzene,1,2,4-	µg/L	0.03	EPA 8260	29-Nov-18/R	< 0.03	< 0.03	< 0.03	< 0.03
Trimethylbenzene,1,3,5-	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06	< 0.06	< 0.06	< 0.06
Vinyl Chloride	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5
Xylene, m,p-	µg/L	1.0	EPA 8260	29-Nov-18/R	< 1.0	< 1.0	< 1.0	< 1.0
Xylene, m,p,o-	µg/L	1.1	EPA 8260	29-Nov-18/R	< 1.1	< 1.1	< 1.1	< 1.1
Xylene, o-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5	< 0.5	< 0.5	< 0.5

1 Revised to include additional VOCs



R.L. = Reporting Limit

Test methods are 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.: G82075

REPORT No. B18-36455 (ii)

Rev. 1

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W053		
<b>Sample I.D.</b>	B18-36455-9		
<b>Date Collected</b>	27-Nov-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Acetone	µg/L	30	EPA 8260	29-Nov-18/R	< 30		
Benzene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Bromobenzene	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1		
Bromochloromethane	µg/L	0.2	EPA 8260	29-Nov-18/R	< 0.2		
Bromodichloromethane	µg/L	2	EPA 8260	29-Nov-18/R	< 2		
Bromoform	µg/L	5	EPA 8260	29-Nov-18/R	< 5		
Bromomethane	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Carbon Tetrachloride	µg/L	0.2	EPA 8260	29-Nov-18/R	< 0.2		
Chloroethane	µg/L	0.08	EPA 8260	29-Nov-18/R	< 0.08		
Chloroform	µg/L	1	EPA 8260	29-Nov-18/R	< 1		
Chloromethane	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06		
Chlorotoluene,2-	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06		
Chlorotoluene,4-	µg/L	0.08	EPA 8260	29-Nov-18/R	< 0.08		
Dibromo-3-Chloropropane, 1,2-	µg/L	0.07	EPA 8260	29-Nov-18/R	< 0.07		
Dibromochloromethane	µg/L	2	EPA 8260	29-Nov-18/R	< 2		
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.2	EPA 8260	29-Nov-18/R	< 0.2		
Dibromomethane	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06		
Dichlorobenzene,1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Dichlorobenzene,1,3-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Dichlorobenzene,1,4-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Dichlorodifluoromethane	µg/L	2	EPA 8260	29-Nov-18/R	< 2		
Dichloroethane,1,1-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Dichloroethane,1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Dichloroethene, cis-1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Dichloroethene, trans-1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Dichloroethylene,1,1-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		



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.: G82075

REPORT No. B18-36455 (ii)

Rev. 1

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 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
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 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W053		
<b>Sample I.D.</b>	B18-36455-9		
<b>Date Collected</b>	27-Nov-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Dichloromethane (Methylene Chloride)	µg/L	5	EPA 8260	29-Nov-18/R	< 5		
Dichloropropane,1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Dichloropropane,1,3-	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1		
Dichloropropane,2,2-	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1		
Dichloropropene 1,3-cis+trans	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Dichloropropene, cis-1,3-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Dichloropropene, trans-1,3-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Dichloropropene,1,1-	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1		
Dioxane, 1,4-	µg/L	20	EPA 8260	29-Nov-18/R	< 20		
Ethylbenzene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Hexachlorobutadiene	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06		
Hexane	µg/L	5	EPA 8260	29-Nov-18/R	< 5		
Isopropylbenzene	µg/L	0.04	EPA 8260	29-Nov-18/R	< 0.04		
Isopropyltoluene,4-	µg/L	0.05	EPA 8260	29-Nov-18/R	< 0.05		
Methyl Butyl Ketone	µg/L	10	EPA 8260	29-Nov-18/R	< 10		
Methyl Ethyl Ketone	µg/L	20	EPA 8260	29-Nov-18/R	< 20		
Methyl Isobutyl Ketone	µg/L	20	EPA 8260	29-Nov-18/R	< 20		
Methyl-t-butyl Ether	µg/L	2	EPA 8260	29-Nov-18/R	< 2		
Monochlorobenzene (Chlorobenzene)	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Naphthalene	µg/L	0.04	EPA 8260	29-Nov-18/R	< 0.04		
n-Butylbenzene	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1		
n-Propylbenzene	µg/L	0.03	EPA 8260	29-Nov-18/R	< 0.03		
sec-Butylbenzene	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06		
Styrene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
tert-Butylbenzene	µg/L	0.03	EPA 8260	29-Nov-18/R	< 0.03		



R.L. = Reporting Limit

Test methods are 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.: G82075

REPORT No. B18-36455 (ii)

Rev. 1

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
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 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W053		
<b>Sample I.D.</b>	B18-36455-9		
<b>Date Collected</b>	27-Nov-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Tetrachloroethane,1,1,1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Tetrachloroethane,1,1,2,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Tetrachloroethylene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Toluene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Total Trihalomethanes	µg/L	6	EPA 8260	29-Nov-18/R	< 6		
Trichlorobenzene,1,2,3-	µg/L	0.1	EPA 8260	29-Nov-18/R	< 0.1		
Trichlorobenzene,1,2,4-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Trichloroethane,1,1,1-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Trichloroethane,1,1,2-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Trichloroethylene	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Trichlorofluoromethane	µg/L	5	EPA 8260	29-Nov-18/R	< 5		
Trichloropropane,1,2,3-	µg/L	0.07	EPA 8260	29-Nov-18/R	< 0.07		
Trimethylbenzene,1,2,4-	µg/L	0.03	EPA 8260	29-Nov-18/R	< 0.03		
Trimethylbenzene,1,3,5-	µg/L	0.06	EPA 8260	29-Nov-18/R	< 0.06		
Vinyl Chloride	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		
Xylene, m,p-	µg/L	1.0	EPA 8260	29-Nov-18/R	< 1.0		
Xylene, m,p,o-	µg/L	1.1	EPA 8260	29-Nov-18/R	< 1.1		
Xylene, o-	µg/L	0.5	EPA 8260	29-Nov-18/R	< 0.5		

1 Revised to include additional VOCs



R.L. = Reporting Limit

Test methods are 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 Caduceon Environmental Laboratories.

C.O.C.: G82073

REPORT No. B18-36456

Rev. 1

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

<b>Client I.D.</b>	18-W054		
<b>Sample I.D.</b>	B18-36456-1		
<b>Date Collected</b>	27-Nov-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	28-Nov-18/O	300		
pH @25°C	pH Units		SM 4500H	28-Nov-18/O	7.90		
Conductivity @25°C	µmho/cm	1	SM 2510B	28-Nov-18/O	1440		
Chloride	mg/L	0.5	SM4110C	28-Dec-18/O	123		
Nitrite (N)	mg/L	0.05	SM4110C	28-Dec-18/O	0.24		
Nitrate (N)	mg/L	0.05	SM4110C	28-Dec-18/O	3.10		
Sulphate	mg/L	1	SM4110C	28-Dec-18/O	218		
BOD(5 day)	mg/L	3	SM 5210B	29-Nov-18/K	23		
Total Suspended Solids	mg/L	3	SM2540D	29-Nov-18/K	22		
o-Phosphate (P)	mg/L	0.01	PE4500-S	28-Nov-18/K	2.10		
Phosphorus-Total	mg/L	0.01	E3199A.1	28-Nov-18/K	1.65		
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	28-Nov-18/K	8.4		
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	28-Nov-18/K	3.64		
Ammonia (N)-unionized	mg/L	0.01	CALC	28-Nov-18/K	0.05		
Total Dissolved Solids	mg/L	3	SM 2540D	29-Nov-18/O	783		
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	29-Nov-18/O	86.4		
Phenolics	mg/L	0.002	MOEE 3179	04-Dec-18/K	0.022		
COD	mg/L	5	SM 5220D	30-Nov-18/O	280		
Hardness (as CaCO3)	mg/L	1	SM 3120	03-Dec-18/O	450		
Aluminum	mg/L	0.01	SM 3120	29-Nov-18/O	0.07		
Arsenic	mg/L	0.0001	EPA 200.8	29-Nov-18/O	0.0074		
Barium	mg/L	0.001	SM 3120	03-Dec-18/O	0.137		
Boron	mg/L	0.005	SM 3120	03-Dec-18/O	0.453		
Cadmium	mg/L	0.00015	EPA 200.8	29-Nov-18/O	0.000205		
Calcium	mg/L	0.02	SM 3120	03-Dec-18/O	116		
Chromium	mg/L	0.001	EPA 200.8	29-Nov-18/O	0.003		
Cobalt	mg/L	0.0001	EPA 200.8	29-Nov-18/O	0.0019		



R.L. = Reporting Limit

Test methods are 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.: G82073

REPORT No. B18-36456

Rev. 1

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 27-Nov-18

JOB/PROJECT NO.: 1037-Lansdowne

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

<b>Client I.D.</b>	18-W054		
<b>Sample I.D.</b>	B18-36456-1		
<b>Date Collected</b>	27-Nov-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Copper	mg/L	0.0001	EPA 200.8	29-Nov-18/O	0.0165		
Iron	mg/L	0.005	SM 3120	03-Dec-18/O	0.737		
Lead	mg/L	0.00002	EPA 200.8	29-Nov-18/O	0.00179		
Magnesium	mg/L	0.02	SM 3120	03-Dec-18/O	41.2		
Manganese	mg/L	0.001	SM 3120	03-Dec-18/O	0.456		
Mercury	mg/L	0.00002	SM 3112 B	04-Dec-18/O	< 0.00002		
Nickel	mg/L	0.0002	EPA 200.8	29-Nov-18/O	0.0078		
Potassium	mg/L	0.1	SM 3120	03-Dec-18/O	66.9		
Silver	mg/L	0.0001	EPA 200.8	29-Nov-18/O	< 0.0001		
Sodium	mg/L	0.2	SM 3120	03-Dec-18/O	96.6		
Strontium	mg/L	0.001	SM 3120	03-Dec-18/O	0.770		
Vanadium	mg/L	0.005	SM 3120	03-Dec-18/O	< 0.005		
Zinc	mg/L	0.005	SM 3120	03-Dec-18/O	0.055		
pH	pH Units		Client Supplied Data	27-Nov-18	8.14		
Temperature	°C		Client Supplied Data	27-Nov-18	1.40		

1 Revised to convert reporting units for metals to mg/L



Michelle Dubien  
 Lab Manager

R.L. = Reporting Limit

Test methods are 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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C.O.C.: G83250

REPORT No. B18-36682 (i)

Rev. 1

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 29-Nov-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W059		
<b>Sample I.D.</b>	B18-36682-1		
<b>Date Collected</b>	29-Nov-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	30-Nov-18/O	378		
pH @25°C	pH Units		SM 4500H	30-Nov-18/O	7.97		
Conductivity @25°C	µmho/cm	1	SM 2510B	30-Nov-18/O	1180		
Chloride	mg/L	0.5	SM4110C	30-Nov-18/O	159		
Nitrite (N)	mg/L	0.05	SM4110C	30-Nov-18/O	< 0.05		
Nitrate (N)	mg/L	0.05	SM4110C	30-Nov-18/O	< 0.05		
Sulphate	mg/L	1	SM4110C	30-Nov-18/O	35		
BOD(5 day)	mg/L	3	SM 5210B	30-Nov-18/K	< 3		
Total Suspended Solids	mg/L	3	SM2540D	03-Dec-18/K	208000		
Phosphorus-Total	mg/L	0.01	E3199A.1	03-Dec-18/K	3.77		
Total Kjeldahl Nitrogen	mg/L	0.1	E3199A.1	03-Dec-18/K	0.3		
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	03-Dec-18/K	0.05		
Total Dissolved Solids	mg/L	3	SM 2540D	05-Dec-18/O	636		
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	04-Dec-18/O	2.5		
Phenolics	mg/L	0.002	MOEE 3179	04-Dec-18/K	0.004		
COD	mg/L	5	SM 5220D	04-Dec-18/O	44		
Hardness (as CaCO3)	mg/L	1	SM 3120	03-Dec-18/O	560		
Aluminum	mg/L	0.01	SM 3120	03-Dec-18/O	0.05		
Arsenic	mg/L	0.0001	EPA 200.8	03-Dec-18/O	0.0002		
Barium	mg/L	0.001	SM 3120	03-Dec-18/O	0.434		
Boron	mg/L	0.005	SM 3120	03-Dec-18/O	0.056		
Cadmium	mg/L	0.000015	EPA 200.8	03-Dec-18/O	< 0.000015		
Calcium	mg/L	0.02	SM 3120	03-Dec-18/O	103		
Chromium	mg/L	0.001	EPA 200.8	03-Dec-18/O	< 0.001		
Cobalt	mg/L	0.0001	EPA 200.8	03-Dec-18/O	0.0005		
Copper	mg/L	0.0001	EPA 200.8	03-Dec-18/O	0.0002		
Iron	mg/L	0.005	SM 3120	03-Dec-18/O	0.354		



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Michelle Dubien  
 Lab Manager

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C.O.C.: G83250

REPORT No. B18-36682 (i)

Rev. 1

**Report To:**

**Malroz Engineering Inc.**  
 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
 Kingston Ontario K7K 6Z1  
 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 29-Nov-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W059		
<b>Sample I.D.</b>	B18-36682-1		
<b>Date Collected</b>	29-Nov-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Lead	mg/L	0.00002	EPA 200.8	03-Dec-18/O	< 0.00002		
Magnesium	mg/L	0.02	SM 3120	03-Dec-18/O	73.5		
Manganese	mg/L	0.001	SM 3120	03-Dec-18/O	0.130		
Mercury	mg/L	0.00002	SM 3112 B	05-Dec-18/O	< 0.00002		
Potassium	mg/L	0.1	SM 3120	03-Dec-18/O	3.2		
Silver	mg/L	0.0001	EPA 200.8	03-Dec-18/O	< 0.0001		
Sodium	mg/L	0.2	SM 3120	03-Dec-18/O	34.1		
Strontium	mg/L	0.001	SM 3120	03-Dec-18/O	1.00		
Uranium	mg/L	0.00005	EPA 200.8	03-Dec-18/O	0.00270		
Vanadium	mg/L	0.005	SM 3120	03-Dec-18/O	< 0.005		
Zinc	mg/L	0.005	SM 3120	03-Dec-18/O	< 0.005		

1. Revised to convert reporting units for metals to mg/L



Michelle Dubien  
 Lab Manager

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C.O.C.: G83250

REPORT No. B18-36682 (ii)

Rev. 1

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 308 Wellington Street, 2nd Floor  
 Kingston ON K7K 7A8 Canada

**Attention:** Camille Malcolm

**Caduceon Environmental Laboratories**

285 Dalton Ave  
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 Tel: 613-544-2001  
 Fax: 613-544-2770

DATE RECEIVED: 29-Nov-18

JOB/PROJECT NO.: 1037

DATE REPORTED: 25-Jan-19

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W059		
<b>Sample I.D.</b>	B18-36682-1		
<b>Date Collected</b>	29-Nov-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Acetone	µg/L	30	EPA 8260	03-Dec-18/R	< 30		
Benzene	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Bromobenzene	µg/L	0.1	EPA 8260	03-Dec-18/R	< 0.1		
Bromochloromethane	µg/L	0.2	EPA 8260	03-Dec-18/R	< 0.2		
Bromodichloromethane	µg/L	2	EPA 8260	03-Dec-18/R	< 2		
Bromoform	µg/L	5	EPA 8260	03-Dec-18/R	< 5		
Bromomethane	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Carbon Tetrachloride	µg/L	0.2	EPA 8260	03-Dec-18/R	< 0.2		
Chloroethane	µg/L	0.08	EPA 8260	03-Dec-18/R	< 0.08		
Chloroform	µg/L	1	EPA 8260	03-Dec-18/R	< 1		
Chloromethane	µg/L	0.06	EPA 8260	03-Dec-18/R	< 0.06		
Chlorotoluene,2-	µg/L	0.06	EPA 8260	03-Dec-18/R	< 0.06		
Chlorotoluene,4-	µg/L	0.08	EPA 8260	03-Dec-18/R	< 0.08		
Dibromo-3-Chloropropane, 1,2-	µg/L	0.07	EPA 8260	03-Dec-18/R	< 0.07		
Dibromochloromethane	µg/L	2	EPA 8260	03-Dec-18/R	< 2		
Dibromoethane,1,2- (Ethylene Dibromide)	µg/L	0.2	EPA 8260	03-Dec-18/R	< 0.2		
Dibromomethane	µg/L	0.06	EPA 8260	03-Dec-18/R	< 0.06		
Dichlorobenzene,1,2-	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Dichlorobenzene,1,3-	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Dichlorobenzene,1,4-	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Dichlorodifluoromethane	µg/L	2	EPA 8260	03-Dec-18/R	< 2		
Dichloroethane,1,1-	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Dichloroethane,1,2-	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Dichloroethylene,1,1-	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Dichloroethene, cis-1,2-	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Dichloroethene, trans-1,2-	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		



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Michelle Dubien  
 Lab Manager

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REPORT No. B18-36682 (ii)

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**Attention:** Camille Malcolm

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SAMPLE MATRIX: Groundwater

WATERWORKS NO.

<b>Client I.D.</b>	18-W059		
<b>Sample I.D.</b>	B18-36682-1		
<b>Date Collected</b>	29-Nov-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Dichloromethane (Methylene Chloride)	µg/L	5	EPA 8260	03-Dec-18/R	< 5		
Dichloropropane,1,2-	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Dichloropropane,1,3-	µg/L	0.1	EPA 8260	03-Dec-18/R	< 0.1		
Dichloropropane,2,2-	µg/L	0.1	EPA 8260	03-Dec-18/R	< 0.1		
Dichloropropene 1,3-cis+trans	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Dichloropropene, cis-1,3-	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Dichloropropene, trans-1,3-	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Dichloropropene,1,1-	µg/L	0.1	EPA 8260	03-Dec-18/R	< 0.1		
Dioxane, 1,4-	µg/L	20	EPA 8260	03-Dec-18/R	< 20		
Ethylbenzene	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Hexachlorobutadiene	µg/L	0.06	EPA 8260	03-Dec-18/R	< 0.06		
Hexane	µg/L	5	EPA 8260	03-Dec-18/R	< 5		
Isopropylbenzene	µg/L	0.04	EPA 8260	03-Dec-18/R	< 0.04		
Isopropyltoluene,4-	µg/L	0.05	EPA 8260	03-Dec-18/R	< 0.05		
Methyl Butyl Ketone	µg/L	10	EPA 8260	03-Dec-18/R	< 10		
Methyl Ethyl Ketone	µg/L	20	EPA 8260	03-Dec-18/R	< 20		
Methyl Isobutyl Ketone	µg/L	20	EPA 8260	03-Dec-18/R	< 20		
Methyl-t-butyl Ether	µg/L	2	EPA 8260	03-Dec-18/R	< 2		
Monochlorobenzene (Chlorobenzene)	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Naphthalene	µg/L	0.04	EPA 8260	03-Dec-18/R	< 0.04		
n-Butylbenzene	µg/L	0.1	EPA 8260	03-Dec-18/R	< 0.1		
n-Propylbenzene	µg/L	0.03	EPA 8260	03-Dec-18/R	< 0.03		
sec-Butylbenzene	µg/L	0.06	EPA 8260	03-Dec-18/R	< 0.06		
Styrene	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
tert-Butylbenzene	µg/L	0.03	EPA 8260	03-Dec-18/R	< 0.03		



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Michelle Dubien  
 Lab Manager

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WATERWORKS NO.

<b>Client I.D.</b>	18-W059		
<b>Sample I.D.</b>	B18-36682-1		
<b>Date Collected</b>	29-Nov-18		

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Tetrachloroethane,1,1,1,2-	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Tetrachloroethane,1,1,2,2-	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Tetrachloroethylene	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Toluene	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Total Trihalomethanes	µg/L	6	EPA 8260	03-Dec-18/R	< 6		
Trichlorobenzene,1,2,3-	µg/L	0.1	EPA 8260	03-Dec-18/R	< 0.1		
Trichlorobenzene,1,2,4-	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Trichloroethane,1,1,1-	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Trichloroethane,1,1,2-	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Trichloroethylene	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Trichlorofluoromethane	µg/L	5	EPA 8260	03-Dec-18/R	< 5		
Trichloropropane,1,2,3-	µg/L	0.07	EPA 8260	03-Dec-18/R	< 0.07		
Trimethylbenzene,1,2,4-	µg/L	0.03	EPA 8260	03-Dec-18/R	< 0.03		
Trimethylbenzene,1,3,5-	µg/L	0.06	EPA 8260	03-Dec-18/R	< 0.06		
Vinyl Chloride	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		
Xylene, m,p-	µg/L	1.0	EPA 8260	03-Dec-18/R	< 1.0		
Xylene, m,p,o-	µg/L	1.1	EPA 8260	03-Dec-18/R	< 1.1		
Xylene, o-	µg/L	0.5	EPA 8260	03-Dec-18/R	< 0.5		

1 Revised to include additional VOCs



Michelle Dubien  
 Lab Manager

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**Appendix K**  
**MECP Correspondence**

MEMORANDUM

August 23, 2018

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

FROM: Shawn Trimper  
Hydrogeologist  
Technical Support Section  
Eastern Region

RE: 2017 Annual Monitoring Report  
Lansdowne Waste Disposal Site  
Lot of 12, Concession 2  
Geographic Township of the Front of Leeds and Lansdowne  
Township of Leeds and the Thousand Islands  
Environmental Compliance Approval (ECA) No. A442003

---

The Ministry of the Environment, Conservation and Parks (MECP) Kingston District Office (KDO) provided the report titled "Lansdowne Waste Disposal Site, 2017 Annual Monitoring, Development and Operations Report" dated March 2018 and completed by Malroz Engineering Inc. (Malroz). I have reviewed the aforementioned report and offer the following comments for your consideration.

Environmental Compliance Approval (ECA)

The Lansdowne Waste Disposal Site (WDS) is owned and operated by The Corporation of the Township of Leeds and the Thousand Islands (the township) and is licensed under ECA No. A442003. The Lansdowne WDS is located on Part of Lot 12, Concession 2, in the Geographic Township of Lansdowne. The site is licensed for the operations of a 9.2 landfill site. The site is licensed to receive solid non-hazardous waste. The ECA was amended in 1985 allowing for the establishment of a recycling transfer station, and in 2001 recognizing a 9.5 hectare CAZ located south and west of the site, and expanding the recognized site area to 18.7 hectares. The site is a natural attenuation site. The landfilling method currently used at the site is area fill; however, it is understood that trench and fill methods were historically used at the site. Guideline B-7 applies to all operating WDS and those closed after 1986, thus Guideline B-7 applies to the Lansdowne WDS.

No buffer previously existed along the sites eastern boundary; however, it is reported that the township purchased an approximately 50 metre buffer (approximately 3.7 hectares of land) to the east of the site, and purchased the groundwater rights of an additional 12.7 hectares of land located further east for use as a contaminant attenuation zone. It is reported that the newly acquired lands were registered on title in June 2017.



Condition 7.4 of the ECA required that an updated Design and Operations (D&O) Report be prepared and submitted within 180 days of the issuance of the amended ECA (issued March 24, 2016); however, to my knowledge a D&O report has not been provided to date, and the site is in non-compliance with condition 7.4 of the ECA

The existing operational design for the site (WESA, 1980) has a volumetric capacity of 208,712 cubic metres (m<sup>3</sup>). An updated design with a volumetric capacity of 264,387m<sup>3</sup> was provided within the 2015/2016 Annual Monitoring Report (BluMetric; January 17, 2017). However, to my knowledge the updated operational design has not been approved by the MECP, and the site is in non-compliance with condition 7.4 of the ECA. Malroz reports that as of December 2017 the site contained approximately 225,753m<sup>3</sup> of waste. Based on my understanding of the approved operations of the site, I conclude that the site is likely operating in an overfill situation.

### Physical Setting

The site is located in a rural area and surrounding land uses are generally agricultural in nature with sparse residential development also present in the area. Adjacent properties to the north, east, and west of the site consist of agricultural fields. A large wetland complex is located south and southeast of the site. Various ditches and drains are present on and surrounding the site. It is understood that the agricultural field located east of the site is tile drained.

### Geology

Geology at the site generally consists of a 0 to 10 metres (m) thick overburden unit overly Precambrian bedrock. Overburden is described as silty clay with intermittent sand lenses. Organic deposits have also been reported and are expected to exist in the wetland areas located south and southeast of the site. Bedrock is described as granitic and is heavily glaciated and undulating. Bedrock outcrops are common in the area.

### Hydrogeology

Two distinct hydrogeological units exist at the site: an overburden unit; and, a bedrock unit.

Malroz indicates that groundwater flow in the overburden unit occurs toward the east to southeast and acknowledges that mounding may be occurring in the vicinity of the waste mound resulting in radial flow. However, based on my review of topographic and watershed mapping, the site appears to be intersected by a watershed boundary. The northern portion of the site is located in the Cataraqui River watershed, and the southern portion of the site is located in the Upper St. Lawrence River watershed. Groundwater flow in the overburden unit is generally controlled by surface topography. The presence of the watershed boundary is expected to result in a groundwater divide. Flow from the southern portion of the site is directed in a southeasterly direction toward the wetland, and flow to the north of the divide directed in a northerly direction. Tile drainage installed beneath the agricultural field located west of the site has the potential to influence groundwater flow conditions.

No information was previously available with respect to the bedrock unit; however, three (3) bedrock wells were installed at the site in 2017/2018. Due to the timing of the installation of the bedrock monitoring wells, limited monitoring data was collected in 2017 with respect to the bedrock unit. The preliminary data indicates a north-easterly component to bedrock flow; however, additional data is required to confirm this finding.

#### Groundwater Monitoring Program (2017)

Malroz conducted groundwater monitoring in August and December of 2017. Groundwater monitoring was conducted at eleven existing monitoring well locations during both monitoring events. Newly installed monitoring wells MW101 to WM106 were added to the monitoring program following installation (Fall 2017); however MW101 was reported to be dry.

The 2017 groundwater monitoring program was generally conducted in accordance with the approved monitoring program with the exception that monitoring well 11-2 could not be located and was not sampled during 2017, and the spring monitoring program was conducted during the summer due to schedule delays.

#### Background Groundwater Quality

Monitoring well 11-4 is located approximately 150 metres west (hydraulically up-gradient) of the site and is currently utilized to assess background groundwater quality at the site. However, this monitoring well has historically been interpreted to be impacted by agricultural practices conducted in the area raising some concerns with respect to its use as a background monitoring well. Malroz indicates that conductivity, chemical oxygen demand (COD), dissolved organic carbon (DOC), hardness, total dissolved solids (TDS), and total hardness, TDS, total Kjeldahl nitrogen (TKN), and nitrate are elevated in this monitoring well and are generally consistent with agricultural practices.

Malroz indicates that newly installed monitoring well MW103 may also be representative of background overburden quality, as it is also located hydraulically up-gradient (west) of the site. Malroz indicates that the concentration of most parameters were higher at MW103 as compared to 11-4, and indicates that this monitoring well is expected to also be impacted by agricultural activities.

Malroz indicates that newly installed bedrock monitoring well MW102 is expected to be located up-gradient of the site and to be representative of background conditions in the bedrock unit; however, additional monitoring data is required to confirm groundwater flow in the bedrock unit.

#### Leachate

Leachate monitoring well 11-2 was previously reported to be damaged and was scheduled to be abandoned and replaced during 2017; however, Malroz now indicates that this monitoring well has now been located and is reported to be in fair condition and are recommending that it be maintained. Malroz also indicates that this monitoring well was not sampled during 2017 as it could not be located.



Based on historical monitoring data at leachate monitoring well 11-2, Malroz concludes that the leachate indicator parameters (LIPs) associated with the site are boron, chloride, conductivity, DOC and sulphate; however, based on elevated chloride at background monitoring well MW103 they recommend that chloride be removed from the list and iron added.

I note that the list of LIPs provided by Malroz is only a partial list.

### Down-gradient Groundwater Quality

#### *Overburden Aquifer:*

Leachate impacts are interpreted to be migrating radially from the site in the overburden unit. The extent of leachate impacts were previously poorly defined; however, four (4) additional overburden monitoring wells were installed during the fall of 2017 to improve the delineation of leachate impacts. Previously leachate impacts were interpreted to be extending to the north and south of the waste mound, and potentially to the east and west. Relatively significant leachate impacts are present in the vicinity of the northern property boundary. Groundwater quality data from the newly installed wells will improve the understanding of leachate impacts; however, additional monitoring data is required before conclusions can be made.

#### *Bedrock Aquifer:*

Two (2) bedrock monitoring wells were installed at the site in the Fall of 2017, and one (1) additional monitoring well was installed in early 2018. No bedrock monitoring wells previously existed at the site. Only a single round of sampling results are available from those monitoring wells installed during 2017.

Samples were collected and analysed for volatile organic compounds (VOCs) from all monitoring wells during 2017, and all VOCs were below the method detection limit.

### Regulatory Evaluation

Condition 8.3(a) of the ECA requires the site to be operated in compliance with Guideline B-7.

#### *Overburden Unit:*

Malroz has calculated reasonable use limits (RULs) and provided a Guideline B-7 assessment for the overburden unit. Malroz indicates that the following RUL exceedances are potentially related to the landfill:

- 91-3 (south): iron
- 11-1 (north): arsenic, barium, iron
- 15-1 (south): barium, iron
- MW105 (north): n/a
- MW106 (east): barium, iron

I note that additional RUL exceedances occurred at the listed monitoring wells but are not interpreted by Malroz to be landfill related.

Malroz provides the following discussion/interpretation with respect to the identified RUL exceedances:

- Those RUL exceedances present at monitoring well 11-1 located in proximity to the northern property boundary are attenuated and do not extend to monitoring well MW105 which is located approximately 50 metres north of the northern property boundary.
- Leachate impacts in southern area of the site are expected to discharge to the wetland area.
- Preliminary data from monitoring well MW106 indicates that the site may be in non-compliance along the eastern boundary; however, this monitoring well has been sampled only once, and additional monitoring results are required to confirm the preliminary results.

#### *Bedrock Unit:*

Limited monitoring of the bedrock unit was conducted during 2017, and as such, it was not possible calculate RULs and provide a Guideline B-7 assessment for this unit.

#### Trigger Mechanisms and Contingency Plans

Condition 8.11 of the ECA requires that formal trigger be developed for the site within one year of the issuance date of the amended ECA. However, groundwater triggers have not been developed to date. Malroz indicates that formal triggers will be developed once delineation is complete.

Contingency actions are currently on-going at the site to address deficiencies in site buffer and monitoring well network, and to address non-compliance with Guideline B-7.

Those actions conducted to date are generally summarised as follows:

- The acquisition of a 50 metre buffer along the eastern site boundary.
- The acquisition of groundwater rights of a 12.7 hectare property as an eastern CAZ.
- Four (4) overburden monitoring wells were installed in the fall of 2017
- Two (2) bedrock monitoring wells were installed in the fall of 2017
- One (1) bedrock monitoring well was installed in early 2018.

Additional monitoring results are required from the newly installed monitoring wells before conclusions and recommendations can be made regarding the need for additional actions.

I note that leachate impacts are expected to extend beyond the northern property boundary and actions will be required to address Guideline B-7 non-compliance with respect to this boundary once the extent of impacts are confirmed.



### Groundwater – Surface Water Interaction

Leachate impacted groundwater within the shallow overburden unit has the potential to discharge to the various low lying ditches, drains, and wetland areas surrounding the site. Leachate impacts have been detected in the overburden unit to the north, east, south and west, indicating that leachate impacted groundwater has the potential to discharge to and impair surface water located in these areas. Tile drainage located east of the site also has the potential to intercept and discharge leachate impacted groundwater to surface.

A MECP Surface Water Scientist should continue to be consulted with respect to surface water monitoring and management associated with this site.

### Water Supply Wells

Private bedrock wells are generally utilised for water supply in the area. The thin overburden is not expected to be a viable aquifer for domestic water supply, but may be used in areas where the overburden thickness is sufficient. The site is not located in a well head protection area (WHPA).

The nearest residence is located approximately 150 metres west of the site at 572 County Road 34. The domestic supply well was sampled in the summer and fall of 2017 at the request of the MECP. Hardness, manganese, and TDS were reported to exceed the Ontario Drinking Water Standard (ODWS) during the summer and fall of 2018. The identified ODWS are non-health related parameters.

### Landfill Gas

Three (3) passive landfill gas vents are present at the site and are required to be maintained as per condition 8(2) of the ECA. Landfill gas monitoring has previously been conducted in all existing monitoring wells and passive gas vents. It is reported that landfill gas screening was conducted in all existing monitoring wells in the spring and fall. Methane concentrations were below 1 percent of the lower explosive limit (LEL), with the exception of monitoring wells 91-4 (2% LEL) and MW101 (97% LEL) in the fall. No discussion is provided with respect to the significance of the landfill gas monitoring results. Malroz indicates that the three (3) existing landfill gas vents have been maintained; however, landfill gas monitoring was not conducted at the gas vents during 2017. Malroz indicates that this monitoring will be conducted during 2018.

The results at monitoring well MW101 confirm that landfill gas is being generated at the site; however, based on the relatively rural nature of the site and the existing surrounding land uses, I do not expect landfill gas to represent a current risk to off-site receptors. However, a more comprehensive assessment of landfill gas monitoring and management is beyond the scope of this review.

### Recommended Groundwater Monitoring Program (2018)

Groundwater monitoring is currently required to be conducted twice per year (spring and fall) and reported annually. The currently approved monitoring program (network and parameters) are outlined in Schedule B of the ECA. Malroz recommends the following changes to the monitoring program:

- Sampling should resume in leachate monitoring well 11-2.
- Newly installed monitoring wells MW101 through MW107 should be added to the monitoring program.
- A number of monitoring wells were noted to be missing locks and/or in need of repair. Malroz recommended that these issues be addressed in 2018.
- Discontinue VOC monitoring at all monitoring wells.
- Determine ditch invert elevations surrounding the site to assess groundwater-surface water interaction.

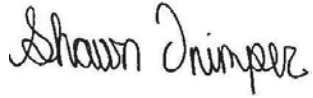
### Conclusions and Recommendations

- The Lansdowne WDS is an operating natural attenuation site.
- Condition 7.4 of the ECA requires that an updated D&O report be provided within 180 days of the issuance of the ECA. To my knowledge an updated D7O report has not been received and the site is in non-compliance with condition 7.4 of the ECA.
- An updated landfill design was developed and included with the 2015-2016 annual report that increased the volumetric capacity of the site from 208,712 m<sup>3</sup> to 264,387 m<sup>3</sup>. To my knowledge the updated design has not been approved by the MECP. The volume of waste present at the site as of December 2017 was estimated to be approximately 225,753 m<sup>3</sup>. As such, it appears that the site has exceeded the capacity of the operational design and may be operating in an overfill situation. It should be determined if the site is in an overfill situation, and if confirmed, appropriate actions should be taken to address this issue.
- The assessment of leachate impacts surrounding the site is greatly complicated by the presence of agricultural activities, natural wetland conditions and road salting. High levels of suspended solids in the groundwater samples in some monitoring wells further complicates the assessment of leachate impacts.
- A Guideline B-7 assessment was provided in the report for the overburden unit. The site was previously determined to be in non-compliance with Guideline B-7 along its eastern and northern property, and actions are currently being taken to address these issues. Additional buffer and CAZ lands have been obtained to the east of the site and additional monitoring wells have been installed to the north and east. Additional monitoring data is required to assess the adequacy of the newly acquired lands and recently installed monitoring wells.



- Limited data is available with respect to the bedrock aquifer; however, additional monitoring data is expected to be obtained in 2018 that will allow for an improved understanding of the bedrock aquifer. The 2018 annual monitoring report is expected to contain additional information and interpretation related to the bedrock unit, including a Guideline B-7 assessment.
- Leachate impacted groundwater has the potential to discharge to and impair surface water surrounding the site. As such, a MECP Surface Water Scientist should continue to be consulted with respect to surface water monitoring and management associated with this site.
- Condition 8.11 of the ECA requires that formal triggers be developed for the site within one year of the issuance date of the amended ECA. Trigger values have not been developed to date, and as such, I conclude that the site is in non-compliance with condition 8.11 of the ECA. I recommend that groundwater triggers be developed and provided in the updated D&O report which is also required and overdue.
- I am supportive of the groundwater monitoring program proposed by Malroz, with the exception that VOC monitoring should be continue to be conducted as outlined in Schedule B of the ECA (i.e. every 5 years). I also recommended that the domestic well located at 572 County Road 34 be added to the monitoring program.
- In recent years per- and poly-fluoroalkyl substances (PFAS) have been identified as common constituents of landfill leachates and an emerging contaminants of concern with respect to waste disposal sites. PFAS are recognised to have human health impacts and are also a valuable indicator of landfill leachate. It is my recommendation that PFAS monitoring be conducted for a period of one year (2 occasions) within leachate (11-2) and at selected impacted monitoring wells (91-4, 11-1, and MW101). The need for additional PFAS monitoring should be determined based on the results of the one year assessment. The intent of the recommended PFAS monitoring is to ensure that PFAS compounds are not migrating off-site at concentrations of concern to human health and/or the environment, and to assist with differentiating landfill related and non-landfill related (agricultural, wetland, road salting) impacts.
- It is reported that a number of on-site monitoring wells are missing locks and/or are damaged. Malroz has recommended that these deficiencies be addressed in 2018. Actions are required to ensure that all monitoring wells are maintained in compliance with Regulation 903.
- The geological and hydrogeological descriptions provided in the current report consist of quoted interpretations and descriptions provided in previous reports. The referenced material is professional interpretation of site observations, site conditions, and readily available information. Future monitoring reports should provide unique interpretations for these sections prepared by the authors of the report.

- The current report was not accompanied by a completed monitoring and screening checklist. A completed and signed checklist should be submitted with all future reports.



Shawn Trimper, P.Eng.  
ST

ec: Peter Taylor  
Greg Faaren  
Roberto Sacilotto

c: Lauren Forrester  
File GW LG LT 01 02 C2 (Lansdowne WDS; ECA No. A442003)  
SAT/ID# 2587-AXBN2K



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MEMORANDUM

January 18, 2019

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

FROM: Lauren Forrester  
Surface Water Specialist  
Technical Support Section  
Eastern Region

RE: 2017 Annual Monitoring Report &  
Development, Operations and Closure Plan and Transfer Station Design  
and Operation Plan, Lansdowne WDS  
Lot 12, Con. 2, Twp. of Leeds and the Thousand Islands  
United Counties of Leeds and Grenville  
ECA No. A442003

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As requested, I have reviewed the subject reports, prepared by Malroz Environmental Scientists & Engineers, dated March 15, 2018 and October 15, 2018, respectively. I offer the following comments in relation to surface water concerns only.

**Background**

The Lansdowne Waste Disposal Site (WDS) operates under Amended Environmental Compliance Approval (ECA) No. A442003, issued December 9, 1980 and last amended March 24, 2016. That amendment approved an increase in waste capacity for the site to 264,387 cubic metres. The consultant reports that up to December 2017, 225,753 m<sup>3</sup> of waste had been placed at the site, leaving residual capacity for approximately 7 years of use at current fill rates. The consultant notes that the current fill exceeds the height and northern extent of the new landfill design. The consultant also notes that future operation at the site is proposed to be through placement of waste on top of existing waste.

The Site operates as a natural attenuation site. There are no engineered leachate or stormwater collection systems on site. The Approved waste disposal footprint for the site is 9.2 hectares; however, the submitted Development, Operation and Closure Plan proposes a waste footprint of only 4.9 ha, pending resolution of potential MECP Guideline B-7 non-compliance.

Waste placement at the site has progressed towards the north of the approved fill area. The central portion of the waste mound has been covered by interim cap material. Final

cap material has been placed over the more southern portion and a survey of the thickness of that cap is proposed within the proposed Plan. Grading has reportedly been undertaken at the site to minimize ponding of surface water and reduce contact of water with the waste pile.

Comments on groundwater matters have been provided under separate cover (Trimper, 2018). That review identifies significant leachate impacts within overburden monitoring wells in the northern portion of the property, which likely extend off-site. Non-conformance with guideline B-7 has been identified; however, the extent of impacts is unknown at this time.

Leachate indicator parameters have previously been identified as alkalinity, aluminum, arsenic, barium, boron, chloride, DOC, hardness, TDS, iron, manganese, sodium, and uranium. Only a partial list is provided within the 2017 annual report.

### **Surface Water Regime**

The site is surrounded to the east, north and west by privately-owned farm land. The terrain is generally low lying and poorly drained. In the northern portion of the site, surface water flows through ditches and swales to the drainage ditch along County Road 34, then eastwards. On the southern portion of the site, surface water flows towards and through a marsh located southwest of the waste mound, then northeast towards County Road 34 through an unnamed tributary.

Potential for discharge of leachate-impacted groundwater from the shallow overburden unit to surface water (ditches, drains, wetlands) has been previously noted. Tile drainage to the east may also intercept leachate-impacted groundwater, discharging to the roadside ditch along County Road 34; however, interpretation of leachate impacts for this site is complicated by nearby agricultural activity, wetlands and road salting.

The drainage ditch along County Road 34 drains to the Smith-Bolger Municipal Drain, which is a tributary to Black Creek. Black Creek flows to Wiltse Creek, which is part of the Gananoque River watershed.

### **Surface Water Monitoring Program**

The surface water monitoring program has evolved over the years currently includes 9 active surface water stations, which are to be sampled twice annually. The monitoring program is described in Schedule B of the Approval. The surface water monitoring locations listed in Section 5 of the 2017 Annual Report is not consistent with the ECA.

Surface water monitoring locations representing the southern drainage include SW15 (background), SW11 (within marsh, former background), SW2 (within the marsh, downstream of SW11, and SW1 (mouth the east-flowing drainage ditch, downstream of marsh).

To the north, surface water quality is captured by SW6 and SW4 (west of Kidd Road south), SW16 (north side of CR 34), SW12 (within drainage ditch on eastern property boundary), and SW8 (drainage ditch along CR 34, capturing flows from SW4, SW12, and SW16).



Water quality downstream of the WDS is assessed at SW14, which captures flows from the northern portion of the property. SW13 is located further downstream along CR34, capturing the confluence of the unnamed tributary with the CR34 ditch. SW13 and SW14 have previously been considered to have possible impacts from agricultural tile drainage, which may confound the interpretation of landfill impacts.

In 2017, water quality monitoring was taken over by Malroz consulting. Previous monitoring work was undertaken by Township of Leeds and Thousand Islands (TLTI) employees, under the supervision of Andrew Day (formerly of TLTI).

## **Results and Discussion**

Leachate effects are evident in surface water north and south of the wetland. Given the absence of monitoring results from SW13, the extent of impacts to the southeast are unclear.

### Northern drainage:

Water quality in the County Road 34 roadside ditch is variable, which is not unexpected for this type of watercourse. Background stations (SW4 and SW6) are shown to have slightly elevated nutrients and some metals (Al, Cr, Co, Cu, Fe, Va, Zn). Concentrations of phosphorus, iron, cobalt, zinc, and copper exceeded PWQO in one or more sample in 2017. Malroz interprets the stations to be comparable. I agree and also note marked improvement in water quality is evident at SW4 since 2008.

Landfill leachate effects are observed in SW8 and SW16. These stations are immediately north of the landfill and leachate impacted groundwater is interpreted to discharge to those ditches. In 2017, concentrations of aluminum, iron, and phosphorus exceeded PQWO at these stations, in addition to zinc at SW8. I note also that, relative to background (SW4), these stations have elevated concentrations of many leachate indicators (i.e. alkalinity, conductivity, chloride, TDS, sulphate, sodium, calcium and magnesium, in addition to elevated boron, ammonia, manganese and copper SW8). While there is a clear leachate signature, this location is likely also influenced from the road (i.e. roadsalting). Concentrations of leachate indicators are unlikely to result in significant negative effects at this time. Surface water from these areas should be monitored carefully in the future, including trends in concentrations.

It is my understanding that surface water sampling undertaken by Shawn Trimper (MECP hydrogeologist) and Nathalie Matthews (MECP Environmental Officer) on August 22, 2018 also revealed low but detectable concentrations of poly-fluoroalkyl substances (PFAS) in surface water south of CR34, near SW8. PFAS are emerging contaminants of concern associated with waste disposal sites and are being recognized as valuable indicators of landfill leachate. The detection of PFAS within the northern drainage ditch supports the interpretation that landfill leachate may be discharging to (and diluted by) the surface water south of CR34; however, results of a single sample are not conclusive.

SW14 is located downstream from SW8. Concentrations of typical leachate indicators appear to decrease to varying degrees with distance from the site (i.e. TDS, sulphate,

conductivity, chloride); however, as with other stations, water quality is variable. Concentrations of nitrate are elevated downstream (exceeding the CWQG), and may be attributed to tile drainage from neighboring agricultural fields.

#### Southern Drainage:

The wetland area to the south of the waste pile may be affected by both overland flow and discharge of leachate-impacted groundwater. Downgradient stations SW2 and SW11 were sampled in 2017. While various potential leachate indicators are somewhat elevated compared to background (SW15), it is evident that discharge of leachate to the south wetland is at very low concentration, as is noted by the consultant. PWQO exceedances in 2017 in samples from the southern drainage area are limited to phosphorus, iron, and aluminum. This is not unexpected in wetland environments. Zinc and cobalt also exceed the PWQO in the fall at SW2; however, high TSS in that sample likely confounds the results.

Aluminum, phosphorus, iron, and zinc exceed PWQO at SW1 in at least one sample in 2017. In most cases, background / agricultural sources likely contribute to the reported guideline exceedances, although some influence of leachate is likely. From SW1, water flows towards the northeast through an unnamed creek and joins the drainage along CR34. SW13 is intended to capture the combined flows of the unnamed creek and the CR34 drainage. SW13 was not sampled in 2017.

#### **Development, Operations and Closure Plan**

- The Development, Operations and Closure Plan for the site is based upon the interim design prepared by BluMetric (Jan. 17, 2017) (Appendix B of the report). In the referenced interim design, the Malroz reports that the waste footprint occupies 4.9 ha of the approved 9.2 ha, and provides capacity operation to approximately 2024. The interim design capacity of 264,387 m<sup>3</sup> within the proposed 4.9 ha waste footprint will be achieved through placement of waste on top of existing wastes using 'area fill' method. I have no objection to this and I defer to the review engineer on these matters.
- Potential future enlargement of the waste pile to the full approved extent of 9.2 ha is proposed to be dependent on the ability to demonstrate that groundwater impacts are manageable (i.e. compliance with MECP Guideline B-7 can be achieved / maintained). Input should continue to be sought from the MECP Hydrogeologist on this matter.
- Surface and groundwater monitoring is proposed to continue twice annually. As noted above, the monitoring program was not consistent with the Approval in 2017. To my knowledge, no approval was granted by MECP for abandoning monitoring station SW13. Sampling at that location should be resumed in the next monitoring session. Sampling at SW2 may be discontinued.
- A trigger mechanism and contingency plan, required under Condition 8(11) of the Approval, is lacking from the proposed Development, Operations and Closure Plan. A trigger mechanism and contingency plan is overdue.



- Future operation of the Site as a transfer station will require trucking of waste to an approved WDS outside of the Township.
- The consultant proposes that surface and groundwater monitoring continue in the post-closure period based on the current monitoring program until a reduction in monitoring frequency or locations is approved. The consultant also states that monitoring programs for the Site will be overhauled; however, details are not provided. It is not clear if the changes refer to by the consultant are related to surface water. Any proposed changes to the surface water program should be reviewed by MECP prior to implementation.

### **Conclusions and Recommendations**

- Leachate effects are identified in surface water to the north and south of the fill area; however, based on the low concentration of reported parameter, significant impacts to surface water are unlikely at this time.
- I generally agree with the findings and recommendations of the consultant, specifically:
  - Surface water monitoring should continue, without change to the current surface water monitoring program;
  - Sampling occur after rain events to improve likelihood of flowing conditions;
  - Sampling at SW6 may continue; and
  - Ditch inverts should be confirmed to assess groundwater / surface water interactions.
- As described above, the site owner and consultant should consult the surface water monitoring program set out for the site and ensure that the monitoring program implemented is consistent with that described within the Approval. The list of monitoring locations within Section 5 of the Annual Monitoring Report is not consistent with Schedule B of the ECA, nor is it consistent with the monitoring actually undertaken in 2017. Most significantly, SW13 is omitted from the table and was not sampled in 2017. SW13 captures surface water flows from along CR34 downstream from confluence of the CR34 creek and unnamed watercourse that originates in the marsh south of the fill area.
- A Trigger Mechanism and Contingency Plan has not been established for this site and is overdue. The required plan should be developed and submitted for review as soon as possible.
- Future reports should include an assessment of trends in concentration over time for key leachate indicator parameters in surface water stations.
- Electronic data should be provided in electronic format (i.e. MS Excel) to facilitate review.
- Surface water monitoring data submitted as Appendix G of the 2017 annual report should be reviewed for accuracy. Errors are noted in the submitted data (i.e.

temperature is entered as pH for SW13, SW14, SW15, SW16, May 2008 through November 2011).

If you have any questions about these comments, I would be happy to discuss them with you.

A handwritten signature in cursive script that reads "Lauren Forrester".

Lauren Forrester, M.Sc.  
LF/lf

- ec: Greg Faaren, Water Resources Unit Supervisor  
Peter Taylor, Technical Support Section Manager  
Shawn Trimper, Regional Hydrogeologist  
Roberto Sacilotto, Kingston District Supervisor
  
- c: File SW LG LT 03 06 C2 – Lansdowne WDS  
File SW 12 02 07 02 BL – Black Creek  
LF/IDS No. 6785-B69HK9 / 1735-AXBN3H



**Appendix L**  
**Groundwater Trend Graphs**

