

2022 Annual Monitoring Report Escott Waste Disposal Site (A441703)

Prepared for The Corporation of the
Township of Leeds and thousand Islands



March 31, 2023



Appendix D-Monitoring and Screening Checklist

General Information and Instructions

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

Instructions: A complete checklist consists of:

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

Definition of Groundwater CEP:

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

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

Definition of Surface water CEP:

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

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

Monitoring Report and Site Information	
Waste Disposal Site Name	Escott Waste Disposal Site
Location (e.g. street address, lot, concession)	Lot 8, 9, and 10, Broken front Concession in the Township of Leeds and the Thousand Islands
GPS Location (taken within the property boundary at front gate/ front entry)	442424.05 N, 755638.79 N
Municipality	Township of Leeds and Thousand Islands
Client and/or Site Owner	The Corporation of the Township of Leeds and Thousand Islands
Monitoring Period (Year)	2021
This Monitoring Report is being submitted under the following:	
Environmental Compliance Approval Number:	A441703
Director's Order No.:	N/A
Provincial Officer's Order No.:	N/A
Other:	N/A

Report Submission Frequency	☒ Annual ☐ Other		Specify: March 30, 2022
The site is: (Operation Status)	☒ Open ☐ Inactive ☐ Closed		
Does your Site have a Total Approved Capacity?	☒ Yes ☐ No		
If yes, please specify Total Approved Capacity	40,000	Units	Cubic Metres
Does your Site have a Maximum Approved Fill Rate?	☐ Yes ☒ No		
If yes, please specify Maximum Approved Fill Rate	N/A	Units	
Total Waste Received within Monitoring Period (Year)	-	Units	Cubic Metres
Total Waste Received within Monitoring Period (Year) <i>Methodology</i>	surveyed using a Trimble R10 GNSS, compared to final contours		
Estimated Remaining Capacity	3500	Units	Cubic Metres
Estimated Remaining Capacity <i>Methodology</i>	difference between annual surveys and approved total capacity		
Estimated Remaining Capacity <i>Date Last Determined</i>	November 2022		
Non-Hazardous Approved Waste Types	☒ Domestic ☐ Industrial, Commercial & Institutional (IC&I) ☐ Source Separated Organics (Green Bin) ☐ Tires	☐ Contaminated Soil ☐ Wood Waste ☐ Blue Box Material ☐ Processed Organics ☒ Leaf and Yard Waste	☐ Food Processing/Preparation Operations Waste ☐ Hauled Sewage Other: Domestic and Non-hazardous solid industrial waste (per ECA)
Subject Waste Approved Waste Classes: Hazardous & Liquid Industrial <i>(separate waste classes by comma)</i>			
Year Site Opened <i>(enter the Calendar Year <u>only</u>)</i>	unknown	Current ECA Issue Date	February 13, 2021
Is your Site required to submit Financial Assurance?	☐ Yes ☒ No		
Describe how your Landfill is designed.	☒ Natural Attenuation only ☐ Fully engineered Facility ☐ Partially engineered Facility		
Does your Site have an approved Contaminant Attenuation Zone?	☐ Yes ☒ No		

If closed, specify C of A, control or authorizing document closure date:	
Has the nature of the operations at the site changed during this monitoring period?	☐ Yes ☒ No
If yes, provide details:	Type Here
Have any measurements been taken since the last reporting period that indicate landfill gas volumes have exceeded the MOE limits for subsurface or adjacent buildings? (i.e. exceeded the LEL for methane)	☐ Yes ☒ No

Groundwater WDS Verification:

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

Sampling and Monitoring Program Status:

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:	☐ Yes ☒ No	BW4 and OW11R1 which sustained damage after being struck by equipment (seals in both appear to be compromised) were not sampled in 2022, the wells were replaced with MW106 and MW105 respectively on December 1, 2022. OW14 was destroyed as part of the work completed at the landfill in 2022 and was not sampled in the fall and is proposed to be replaced in 2023 following final contouring of the area.
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):	☐ Yes ☒ No ☐ Not Applicable	If no, list exceptions below or attach information.

Groundwater Sampling Location	Description/Explanation for change (change in name or location, additions, deletions)	Date
OW11R1	was decommissioned and replaced by MW105	December 1, 2022
BW4	was decommissioned and replaced by MW106	December 1, 2022
OW14	damaged	October 24, 2022

3) a) Is landfill gas being monitored or controlled at the site?		☒ Yes ☐ 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?		☐ Yes ☒ 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)		☒ Yes ☐ No ☐ Not Applicable	If no, list exceptions below or attach additional information.
Groundwater Sampling Location	Description/Explanation for change (change in name or location, additions, deletions)	Date	
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):		☒ Yes ☐ No	See report for details of SOP.

Sampling and Monitoring Program Results/WDS Conditions and Assessment:

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.	☐ Yes ☒ No	The report proposes acquisition of additional CAZ.	
6) The site meets compliance and assessment criteria.	☐ Yes ☒ No	See previous comment and report for details.	
7) The site continues to perform as anticipated. There have been no unusual trends/ changes in measured leachate and groundwater levels or concentrations.	☒ Yes ☐ No		
1) Is one or more of the following risk reduction practices in place at the site: (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 (b) There is a predictive monitoring program in-place (modeled indicator concentrations projected over time for key locations); or (c) The site meets the following two conditions (typically achieved after 15 years or longer of site operation): <i>i.</i> The site has developed stable leachate mound(s) and stable leachate plume geometry/concentrations; and <i>ii.</i> Seasonal and annual water levels and water quality fluctuations are well understood.	☐ Yes ☒ No	Note which practice(s):	☐ (a) ☐ (b) ☐ (c) As discussed in report.
9) Have trigger values for contingency plans or site remedial actions been exceeded (where they exist):	☐ Yes ☐ No ☒ Not Applicable	See report.	

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:

See MECP correspondence section of report

Recommendations:

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

☒ No changes to the monitoring program are recommended ☐ The following change(s) to the monitoring program is/are recommended:	See report for recommendations. The completion of this Checklist is a requirement of the MECP. As always, we rely upon the MECP to undertake a complete review of the report(s) provided regarding the waste disposal site/landfill, and provide their comments and acceptance of our interpretation, conclusions and recommendations. This Checklist should in no way supersede the MECP's responsibility to undertake their complete review of our report(s) to ensure compliance with the environmental regulations, standards, and approvals.
☐ No Changes to site design and operation are recommended ☒ The following change(s) to the site design and operation is/are recommended:	Proposed approval of additional CAZ is underway.

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

Surface Water WDS Verification:

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

Name (s)	unnamed creek, marshland
Distance(s)	north of the Site, south of the Site, see report for additional information

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:	☒ Yes ☐ No	See report for discussion.
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):	☒ Yes ☐ No ☐ Not applicable (No C of A, authorizing / control document applies)	If no, specify below or provide details in an attachment.

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

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, or MECP concurrence.		☐ Yes ☒ No ☐ Not Applicable	
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:		☐ Yes ☐ No ☒ Not Applicable	If no, specify below or provide details in an attachment.
Surface Water Sampling Location	Description/Explanation for change (change in name or location, additions, deletions)	Date	
Type Here	Type Here	Select Date	
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):	☒ Yes ☐ No	See report for discussion.	

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 exceedences 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 7 in Report	PWQO, Table A, Table B	See report for discussion.
6) In my opinion, any exceedances listed in Question 5 are the result of non-WDS related influences (such as background, road salting, sampling site conditions)?	☒ Yes ☐ No	See report for discussion:

7) All monitoring program surface water parameter concentrations fall within a stable or decreasing trend. The site is not characterized by historical ranges of concentrations above assessment and compliance criteria.	☒ Yes ☐ No	See report for discussion. Surface water parameters generally fall within the historic range of results.
8) For the monitoring program parameters, does the water quality in the groundwater zones adjacent to surface water receivers exceed assessment or compliance criteria (e.g. , PWQOs, CWQGs, or toxicity values for aquatic biota (APVs)):	☐ Yes ☐ No ☒ Not Known ☐ Not Applicable	See report for discussion.
9) Have trigger values for contingency plans or site remedial actions been exceeded (where they exist):	☐ Yes ☐ No ☒ Not Applicable	See report for discussion.

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:

See MECP correspondence section of the report

Recommendations:

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

☒ No Changes to the monitoring program are recommended ☐ The following change(s) to the monitoring program is/are recommended:	See report. The completion of this Checklist is a requirement of the MECP. As always, we rely upon the MECP to undertake a complete review of the report(s) provided regarding the waste disposal site/landfill, and provide their comments and acceptance of our interpretation, conclusions and recommendations. This Checklist should in no way supersede the MECP's responsibility to undertake their complete review of our report(s) to ensure compliance with the environmental regulations, standards, and approvals.
☐ No changes to the site design and operation are recommended ☒ The following change(s) to the site design and operation is/are recommended:	Evaluation of options for acquisition of CAZ is recommended. See report for discussion.

CEP Signature		
Relevant Discipline	Geoscientist with relevant experience and training.	
Date:	March 31, 2023	
CEP Contact Information:	John Pyke, P.Geo.	
Company:	Malroz Engineering Inc.	
Address:	308 Wellington St., 2nd Floor, Kingston ON	
Telephone No.:	613-548-3446 ext. 34	
Fax No. :	Type Here	
E-mail Address:	pyke@malroz.com	
Save As		Print Form

NOTICE TO READER

This document has been prepared by Malroz Engineering Inc. (Malroz) on behalf of the Township of Leeds and the Thousand Islands (TLTI) for the Escott Waste Disposal Site (WDS), in fulfillment of Condition 52 of Amended Environmental Compliance Approval (ECA) No. A441703.

Malroz has relied upon TLTI staff to provide historic data upon which the current data interpretation and conceptual understanding of the Site are partially based. 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 (Ministry) as required by the Amended Environmental Compliance Approval. 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: Jessie Payeur, EIT.
Engineer in Training



and: John Pyke, P. Geo.
Project Manager



and: Paula R. Klink, P. Eng.
Senior Environmental Engineer



Malroz Engineering Inc.

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1 Introduction

The Escott Waste Disposal Site (the Site) operates under Amended Environmental Compliance Approval (ECA) No. A441703, issued by the Ministry of Environment, Conservation, and Parks (Ministry) and dated February 13, 2021 (see Appendix C).

The Site is located on part of Lots 8, 9, and 10 Broken Front Concession in the Township of Leeds and the Thousand Islands (TLTI) and is depicted in Figure 1 (Appendix A). In accordance with the ECA, a monitoring, development, and operations report (AMR) is to be completed annually and submitted to the District Manager by March 30 of the following calendar year.

Malroz was retained by TLTI to conduct the semi-annual monitoring of the groundwater and surface water, and report on the development and operations of the Site. This document presents the methodology, results and interpretation related to the monitoring and sampling program conducted at the Site in 2022. This report was prepared on behalf of the TLTI, using data collected by Malroz and other 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

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

Environmental Professional Contact

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

2 Background

The geology, hydrogeology, physiography, and hydrology of the Site are based on a review of collected data, including site observations and previous reports on investigations at the Site by Malroz, previous consultants, and TLT staff.

2.1 Description of the Site

The Site is located on part of Lots 8, 9, 10, Broken Front Concession, in the Township of Leeds and the Thousand Islands (former Township of Front of Escott). The Site is located approximately 0.5 km north of Highway 401 and approximately 2.3 km northwest of the St. Lawrence River. Geodetic coordinates for the Site benchmark are as follows (2013 Site survey):

Zone:	NAD 83, 18T
Easting:	0424873.3 m (+/- 0.5 m)
Northing:	4917507.5 m (+/- 0.5 m)

The Site has an approved waste volume of 40,000 m³ (excluding final cover) and is actively landfilling non-hazardous waste materials from within Ward 3, Front of Escott in the TLT. The current Site property boundary and fill area is shown on Figure 2 (Appendix A).

2.2 Geological Setting

Based on geological maps of the region, the geological setting at the Site consists of Precambrian metasedimentary rocks, including paragneiss, pelitic and psammo-pelitic schists, and gneisses (Hewitt, 1964). The bedrock is considerably folded at the Site, dipping northwest by approximately 70 degrees (Hewitt, 1964). The bedrock to the northwest of the Site (at Escott centre) consists of Precambrian granitic gneiss, while bedrock southeast of Highway 401 is quartzite (Hewitt, 1964). Borehole logs from the Site suggest that bedrock is between 0.46 and 7.62 metres below grade (mbg), with increased depth to bedrock in the field north of the waste mound (Appendix J). Bedrock outcrops are visible in the southern portion of the Site near BW3 (Figure 2, Appendix A).

Overburden at the Site consists of brown, silty clay, silt, and clay, underlain by a greyish sandstone (Appendix J). These are likely glacial-lacustrine deposits (Hewitt, 1964). This is inconsistent with the OGS regional map No. 2054 by Jupe and Jackson (Hewitt, 1964). However, it is possible that structural folding in the area has influenced this discrepancy, as small local features are generally not included in a map of larger scale (1:126,720), such as OGS map No. 2054. The borehole log for BW1 also suggests that

a thin (~2.4 metres) sandstone unit overlies the granite, which is consistent with the literature: Precambrian granitic is overlain by Ordovician sandstone and dolomite from the Beekmantown, Potsdam, or Nepean Formations (Hewitt, 1964). Borehole logs identified a red granite beneath the sandstone in the bedrock wells, and in some cases (BW2 and MW103) the sandstone was not observed.

2.3 Hydrogeologic Setting

Based on Malroz site observations and descriptions by previous consultants, the hydrogeological setting at the Site is separated into two zones: in the overburden and bedrock. The vertical relationship between the bedrock and overburden zones has not been fully characterized. Proximal overburden and bedrock wells (OW8R1 and BW3 respectively), located to the southwest of the waste mound show a downward gradient, suggesting a zone of recharge. To the north of the waste mound, overburden and bedrock wells OW3 and BW1 have historically show a slight upward gradient indicating discharge.

According to the previous consultant, the overburden zone is not used as a source of potable water in the vicinity of the Site, and there are no reported uses of the overburden zone as a source of agricultural water in the vicinity of the Site (Day, 2015). We understand that the TLTI has received no reports stating otherwise since Day's report (2015). The agricultural field north of the waste fill area is reportedly tile-drained (draining towards the northeast) and discharges at a Hickenbottom outlet which, in turn, drains into the wetland that feeds La Rue Mills Creek (Day, 2015). Two residential properties are within 500 m of the Site: the first is located about 300 m southwest and the other is approximately 500 m south (Jp2g, 2013). A residential bedrock well was formerly sampled as part of the monitoring program at the residence ~300 m southwest of the Site (then known as the 'MacDonald residence'). This sampling was discontinued prior to 2015 (historic chemistry suggests the last sampling year was 2012), and BW3 has since been considered a sentry well for the MacDonald residence.

2.4 Surface Water Features

Based on site observations and previous reports, there are two streams running parallel (SW-NE) to and located on either side of the Site. The stream along the northern side (the north stream) of the Site is manmade and reportedly maintained for the purpose of draining excess water from the adjacent agricultural field (Day, 2015). The north stream passes under Escott Rockport Road via a culvert located at SW4, and low flow conditions have historically been observed (SW4).

The stream to the south of the Site (the south stream) passes through the wetland area located beyond the wooded area southeast of the Site. The south stream also passes under Escott Rockport Road via a culvert near SW7. The south stream comprises a larger area than the north stream, however, lentic flow conditions have been historically observed at SW7. The previous consultant reported that although the south stream is not anthropogenic, it is periodically cleaned to ensure positive drainage (Day, 2015). Malroz is not aware of any such activities taking place at the south stream. The previous consultant also noted the presence of beaver populations and multiple active and inactive beaver dams along the stream (Day, 2015).

Based on historic site observations, water at the Site tends to pond behind the recycling bin (to the southwest of the active waste mound), and along the southeast side of the entrance road by the brush pile. Grading was previously undertaken within this area in 2019 to address this ponding. Low lying areas are adjacent to the northwest and southeast of the waste mound. Surface water runoff from the mound collects in these areas and flows to the north towards the Hickenbottom Inlet.

During periods of high precipitation, a pond is present in the south portion of the Site near OW13 and OW7, and reportedly drains towards SW6. During periods of low precipitation, this area and the small stream that flows from the area towards the south stream is dry.

2.5 Environmental Compliance Requirements – Landfill Monitoring

Inspections must be carried out at least twice per year. A groundwater and surface water sampling program including analysis for parameters in Schedule 2 and Schedule 3 of the ECA is required, refer to Appendix C.

2.6 Ministry Correspondence

On January 7, 2022, Karen James from Cunningham, Swan, Carty, Little & Bonham LLP provided Malroz with the Certificate of Requirement registration to title (Appendix E).

The MECP provided comments on the 2021 AMR in a memorandum dated August 30, 2022 (Appendix E). The reviewer provided the following concluding remarks, among others:

- The reviewer concurred with CAZ lands acquisition proposed in the northerly end of the site, beyond the overburden monitor MW102, as shown in Figure 2.
- Groundwater – surface water interaction is evident at the site, with downward

gradient, southwest of the waste mound, and historical upward gradient, north of the waste mound, indicating possible discharge to the ground surface. A Ministry surface water reviewer should be consulted for the potential surface water impacts from the landfill leachate generated at the site, and for the management of surface water features at the site and the surrounding areas.

- Monitoring wells BW4 and OW11R1 should be repaired as possible, and reinstallation can be considered as applicable.
- Further monitoring to the east of the landfill should be considered, if forest and steep topography site conditions do not prove to be obstacles.
- Groundwater monitoring should continue at the current locations and frequency. The adequacy of the number and location of the monitoring wells should be discussed in future reports, in light of the extent of impacts and concentration of parameters found in groundwater samples and the impacts on the nearby surface water features.

2.7 Complaints

During the 2022 monitoring period, the Site received one complaint:

- September 6, 2022 a complaint suggested inadequate space is provided to turn around while towing a trailer.

3 Development and Operations

In accordance with the ECA, the Site is actively landfilling solid non-hazardous waste. The Site also accepts recycling materials, large electric appliances, and metals for bulking and subsequent transfer off-site. No liquid industrial or hazardous wastes are accepted.

3.1 Waste Disposal Site Description

The Site operates as an area fill site with recycling, and has an approved waste volume of 40,000 m³ (excluding final cover). On a bi-weekly basis, the waste is contoured, compacted, and covered with sand fill, refer to Appendix C and F.

3.2 Site Access

Site can be accessed by Escott Rockport Road via either County Road 2 or the Thousand Islands Parkway.

3.3 Service Area and Population

Escott is one of three active waste disposal sites serving TLTI (along with the

Lansdowne and Briar Hill Landfills). Permission for waste disposal is restricted to Ward 3 residents; however, Escott can recycle and transfer waste from within the TLTI. According to the 2021 census, the population of the TLTI was 9,804 (StatCan, 2021).

3.4 Site Operation

The Site operates Tuesdays and Saturdays from 8:30 am to 4:30 pm when a Site Attendant who inspects incoming waste loads for compliance is on duty. No waste is received at the Site outside those hours of operation. The entrance and exit gates are locked during non-operating hours.

Site inspections are carried out during each day of operation by the Site Attendant, and records of these inspections are included in Appendix F. Notable observations in 2022 include

- birds, cats, rodents, and/or racoons on several occasions,
- wind blown litter (efforts to pick up windblown litter were noted), and
- ponding around the driving area and around the temporary brush storage area following rain events.

Litter around the Site is picked up regularly by the Site Attendants.

No spills or emergencies, as described by condition 5 of the ECA, occurred at the Site in 2022.

The Site relies on natural attenuation, with no engineered systems for leachate collection or storm water management, other than a ditch located along the north-western edge of the waste mound.

Landfill gas migrating from the Site is not collected by an engineered gas system. In 2015, an elevated attendant's trailer was installed at the Site to mitigate risks that gas accumulates within the enclosed space.

3.5 Phasing of Site Usage

Waste at the site is compacted with a wheeled compactor and covered with sand fill bi-weekly. Between bi-weekly compaction events, TLTI personnel apply cover material from an on-site stockpile so that cover is applied weekly.

Cover material is not stockpiled at the Site. Material is brought to the Site during covering operations, placed on a compacted portion of the waste fill area and typically used within 48 hours. Considering the work undertaken by the Township in 2022 to reclaim capacity and compact garbage it is estimated the landfill could have 19 years of

capacity remaining. See Appendix D for photograph provided by the Township.

3.6 Record Keeping

Field notes and Site records are maintained at the Township offices, 1233 Prince Street, Lansdowne, Ontario. Daily site inspections are conducted by the TLTI staff on days when the landfill was open to the public. Inspection results are recorded on daily field sheets which are included in Appendix F.

3.7 Waste Diversion

Recycling bins are maintained on site to divert material from the landfill. Removal and processing of the recycling materials was completed by Environmental 360 Solutions. The hours of operation for the recycling depot are the same hours as those for the landfill.

Tires are not accepted at the Escott Site; however, users are directed to the Lansdowne WDS where the tires are recycled. Tires dumped at the gates of the Site are stockpiled and shipped to the Lansdowne WDS for recycling.

3.8 Remaining Site Capacity

Based on a survey completed November 18, 2022, the remaining waste capacity is approximately 3,500 m³ Figure 5 (Appendix A). This increase was a result of the stripping and compacting actions undertaken on the southwesterly portion of the landfill, including the current fill area. The landfill has an estimated 19 years of capacity remaining, taking into consideration the work undertaken by the Township in 2022 to reclaim capacity and compact garbage.

4 Site Surveillance, Monitoring, and Sampling Program Scope

The surveillance, monitoring, and sample programs are conducted in accordance with the monitoring program pursuant to Section 8 of the site's ECA (Appendix C).

4.1 Site Surveillance

Site inspections are conducted during sampling events. These inspections include a check of operational compliance with the ECA including signage, Site Attendants, hazardous or liquid wastes, vermin, vectors, litter, dust, brush and clean wood burning, and interim cover. In addition, observations of general site conditions including drainage, surface water, condition of landfill cap, seeps, and onsite structures are noted.

4.2 Well Inspection

Well inspections are undertaken during sampling events. These inspections include a visual inspection of accessible portions of the well piezometer, monument 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

Wells that require attention are reported to the Project Manager for repairs.

4.3 Groundwater Monitoring Program

Prior to sampling, each well is monitored for depth to water, depth to bottom, and combustible gas vapours. During purging of groundwater, visual and olfactory observations are noted and recorded.

Groundwater sampling was conducted using dedicated Waterra tubing equipped with a foot-valve. Prior to sampling, 3 to 5 well volumes of groundwater were purged from each well or, wells were pumped dry 3 times. At the completion of purging, water quality was monitored using a Horiba multi-parameter instrument for temperature, pH, dissolved oxygen, oxidizing/reducing potential, conductivity, and turbidity. Samples intended for metals analyses were field-filtered using a disposable 0.45-micron inline filter. Samples were collected into new laboratory prepared sample bottles and submitted to Caduceon Environmental Laboratories (Caduceon) for analyses.

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

As detailed in Schedule 3 of the ECA (Appendix C), the groundwater monitoring program consists of nine overburden monitoring wells (OW3, OW5, OW8R1, OW11R1, OW12, OW13, OW14, MW101, MW102, and MW104) and four bedrock wells (BW1, BW2, BW3, BW4, and MW103) tested for lab and field parameters. In addition, OW14 and BW1 samples are tested for organic compounds in even years. Background levels are characterized by BW3 and OW8R1. Compliance is evaluated at OW3, OW11R1 (replaced by MW105 on December 1, 2022), OW12, BW2 and BW4 (replaced by MW106 on December 1, 2022).

4.4 Surface Water Monitoring Program

As detailed in Schedule 2 of the ECA (Appendix C), the surface water monitoring program is comprised of four sampling stations: SW4, SW5, HBI, HBO (Figure 2, Appendix A). SW4 is used as the background station. Surface water station locations (UTMs) and observations are summarized in Table 2 (Appendix B).

4.5 Compliance Criteria and Leachate Indicator Parameters

Groundwater and surface water monitoring results are conducted on a semi-annual basis in the spring and fall, in accordance with the ECA. The current monitoring plan for the Site uses the Ontario Drinking Water Standards (ODWS) and the Ministry B-7 Reasonable Use Policy to evaluate groundwater conditions and compliance. Provincial Water Quality Objectives (PWQO) and the Table A: Assessment Criteria for Waste Disposal Sites and Table B: Alternative Review Criteria (MOE 2010) are used as reference criteria to evaluate surface water conditions and compliance.

Leachate indicator parameters (LIPs) for the site are ammonia, chloride, iron, and manganese. This reduced list of LIPs was proposed and adopted in 2019. Monitoring well OW14 is used to characterize leachate within the overburden and monitoring well BW1 is used to characterize the leachate within the bedrock at the site. It should be noted that OW14 was damaged during the reclaiming of capacity in Fall of 2022 and is proposed to be replaced in 2023 following final contouring of the area.

4.6 Data Quality Evaluation

Water analyses are undertaken by Caduceon, a Canadian Association for Laboratory Accreditation (CALA) certified laboratory that uses industry recognized methods to conduct laboratory analyses.

Malroz completed field activities in accordance with standard operating protocols to ensure precise sample collection and reduce the risk of cross-contamination.

Information from both the laboratory and field is validated by Malroz before data analysis.

4.7 Deviations from the Monitoring Plan

Malroz followed the Monitoring Plan (Appendix C), with the following variations:

- BW4 was damaged and could not be sampled in the spring and the fall.
- OW11R1 was damaged and could not be sampled in the spring and the fall.

- OW14 was destroyed as a part of the work completed at the landfill in 2022 to reclaim capacity and could not be sampled in the fall.

5 Site Inspection Results

Site inspections were undertaken by Malroz during the 2022 sampling events.

5.1 Site Inspection

During the Malroz inspections in the spring, staff noted that the entrance signage is shows signs of degradation (Appendix G). Road grading was occurring during spring sampling, and no significant ponding was observed in the fall. Litter was noted at both the spring and fall sampling events.

5.2 Well Inspection

Results of the well inspections are summarized in Table 1 (Appendix B). Copies of the site inspections completed by Malroz staff in 2022 are included in Appendix G. Site photographs of sampling locations are presented in Appendix D.

Monitoring wells included in the monitoring program were found to be in good condition except for

- BW4 and OW11R1 which sustained damage after being struck by equipment (seals in both appear to be compromised) were replaced with MW106 and MW105 respectively on December 1, 2022,
- OW12 which has a pinched piezometer approximately 40 cm from the top of the pipe (function not compromised), and
- OW14 which was damaged during the reclaiming of capacity in Fall of 2022 and is proposed to be replaced in 2023 following final contouring of the area.

5.3 Methane

Methane concentrations in the monitored wells were below the instrument detection limits with the following exceptions:

- BW3, OW3, OW3, OW5, OW7, OW13, MW101, MW102, MW103, and MW104 reported <1% of the Lower Explosive Limit (LEL) in the spring.
- OW14 reported 1% of the Lower Explosive Limit (LEL) in the spring.
- MW102 reported <1% of the Lower Explosive Limit (LEL) in the fall.

6 Groundwater Monitoring Program Results

The groundwater monitoring program considers two distinct areas: overburden and groundwater. Results of the groundwater monitoring are presented in Table 3.

6.1 Groundwater Flow

Groundwater elevation contours for both flow in overburden and bedrock were interpolated based on depth to water measurements and well elevations. Results are presented in Figures 3a,3b, 4a, and 4b (Appendix A).

Shallow groundwater elevations indicate a predominantly north-easterly flow in the land fill area with a local high in at the north east side of the landfill (Figure 3a-b, Appendix A), similar to previous analyses. Bedrock groundwater elevation monitoring indicates a shallow easterly component (Figure 4a-b, Appendix A), similar to previous analyses.

6.2 Groundwater Quality

Results for the 2022 groundwater chemical analyses are presented in Table 4, 5 and 6 (Appendix B). Results have been compared to relevant standards, and observed exceedances are highlighted to allow for visual interpretation. Laboratory certificates of analysis are provided in Appendix H.

6.2.1 Overburden Groundwater Quality

Overburden groundwater sample analysis results are found in Table 4 (Appendix B). Elevated levels of conductivity, hardness, and total dissolved solids were noted in most wells, including the background well OW8R1.

LIPs were evaluated at the leachate well OW14 and at downgradient monitoring wells MW101, OW11R1, OW3, OW12, MW102, and MW104, and compared to background well OW8R1 (see Appendix I):

- Ammonia concentrations in OW14 appear to be slightly increasing over the past five years. The compliance wells MW101, OW3, and OW12 concentrations are slightly elevated from the background levels, as are CAZ wells MW102 and MW104.
- Chloride concentrations in leachate well OW14 appear steady since 2015 and are higher than background concentrations measured at OW8R1. The concentrations at compliance well OW3 follow a similar trend to the concentrations at leachate well OW14, however, at a lower concentration. The chloride concentrations measured at compliance wells OW12, MW101 and MW102 are similar and slightly above background. The concentrations of

chloride measured from these wells are well below the ODWS aesthetic objective of 250 mg/L.

- Iron concentrations appear elevated at overburden leachate well OW14 when compared to background well OW8R1. Concentrations in compliance well MW101 appear higher than background concentrations. The downgradient compliance wells OW3, OW12, MW102 and MW104 have similar concentrations to the background well, and appear stable based on a review of results from the past three years. Background concentrations and concentrations in compliance wells OW3, OW14, MW102 and MW104 appear stable and are below the ODWS aesthetic objective of 0.3 mg/L.
- Manganese concentrations are elevated in the leachate well OW14, and are significantly lower in compliance well MW101. Manganese concentrations at the downgradient wells MW102 and MW104 have slightly elevated concentrations compared to the background well, and appear stable based on a review of results from the past two years. Background concentrations and concentrations in OW3, OW12, MW102 and MW104 appear stable and are below the ODWS aesthetic objective of 0.05 mg/L.

Analysis of the site's leachate impact indicates that OW3, OW12, MW102, and MW104 have minimal or no leachate impact. This finding is consistent with previous years, as the concentrations of contaminants in these areas are generally similar to, or only slightly above, background levels.

We recommend expanding the CAZ as indicated on Figure 2 in green to provide attenuation zone at the landfill and in our opinion the data indicates this would provide compliance with B-7.

6.2.2 Bedrock Groundwater Quality

Bedrock groundwater sample analysis results are found in Table 5 (Appendix B). Elevated levels of conductivity, hardness and were noted in most wells, including the background well BW3.

LIPs were evaluated at the leachate well BH1 and at downgradient monitoring wells BW2, BW4, and MW103, and compared to background well BW3 (see Appendix I):

- Ammonia concentrations in leachate well BW1 appear elevated and relatively stable for the past five years. The compliance well BW2 and MW103 concentrations are indistinguishable from the background concentration.
- Chloride concentrations in leachate well BW1 appear elevated and are significantly higher than background concentrations, although they appear to be trending downwards. Compliance monitoring well MW103 appears to have

similar chloride concentrations to the background well. The concentrations measured in BW2 appear consistently below the background concentrations. The concentrations measured in these wells are below the ODWS aesthetic objective of 250 mg/L.

- Iron concentrations in leachate well BH1 are elevated over the background levels and appear to be increasing since 2018. Concentrations measured in compliance well MW103 appear below the concentrations of leachate well BW1, slightly above background concentrations. Concentrations in compliance well BW2 appear similar to background concentrations. Background concentrations and concentrations in compliance well BW2 are below the ODWS aesthetic objective of 0.3 mg/L.
- Manganese concentrations are elevated in leachate well BW1, and compliance well MW103, although concentrations in compliance wells BW4 and MW103 are below those measured in leachate well BW1. Concentrations in BW2 are similar to background concentrations. Background concentrations in BW2 are below the ODWS aesthetic objective of 0.05 mg/L.

An analysis of the site's leachate impact shows that compliance well BW2 has minimal or no leachate impact. This finding is consistent with previous years, as the concentrations of contaminants in this area is generally similar to, or only slightly above, background levels. Based on the groundwater flow direction from the 2021 fall monitoring data, BW2 was indicated as being located upgradient from the landfill. However, the evaluation of the bedrock groundwater flow direction based on the data collected during the 2022 monitoring period indicates that compliance BW2 is downgradient of the landfill, indicating potentially variable flow direction.

Compliance well MW103 is situated within the proposed CAZ lands and in our opinion shows minimal evidence of leachate impacts, particularly when compared to concentrations in compliance well BW4, which indicates attenuation. Compliance well MW103 generally shows similar groundwater quality to the background well, with the exception of manganese and iron concentrations. Additional sampling of this new well will provide a better understanding of the trend of these concentrations over time. Review of the concentrations reported in compliance well MW103 further supports extending the CAZ lands towards the northeast, as shown on Figure 2, to ensure that any potential sources of contamination are adequately addressed and to maintain compliance with relevant regulations.

6.2.3 VOC Analyses

In accordance with the monitoring program, an analysis of VOCs was carried out in

2022. During the spring sampling event, samples were collected from leachate wells BW1 and OW14.

The results indicated that the concentrations of VOCs were below the detection limit, except for benzene which was detected at OW14. However, the concentration of benzene in OW14 was found to be below the ODWS criteria. This finding is consistent with the results of the 2020 sampling event. Refer to Table 6 (Appendix B) for detailed results of the analysis.

7 Surface Water Monitoring Program Results

The surface water monitoring program at the Site is characterized by four sampling stations: SW4, SW5, HBO, and HBI. Coordinates (UTM) for each of the surface water stations are presented in Table 2 (Appendix B). Results of the surface water analyses are presented in Table 7 (Appendix B).

7.1 Surface Water Flow

The north stream is located approximately 75 m to the northwest of the waste pile and flows northeast (see Figure 2, Appendix A).

7.2 Surface Water Quality

LIPs were evaluated at stations SW5, HBI and HBO, and compared to background station SW4 (see Appendix I):

- Ammonia concentrations at the surface water stations sampled appear similar to background station SW4.
- HBI appears to have higher chloride concentrations than the other stations, with a significant reduction in chloride levels at the HBO station. The results from SW5 and HBO are similar to the background results. The concentrations measured at the surface water stations are below the CWQG of 128 mg/L.
- Iron concentrations at the surface water stations appear similar to the background concentrations, except for HBI which exhibited a significantly higher concentration during the fall sampling event.
- Manganese concentrations at the surface water stations appear similar to the background concentrations, except for HBI which exhibited a significantly higher concentration during the fall sampling event.

During the fall sampling event, the concentrations of iron and manganese measured at HBI were found to be significantly higher than those measured at the other monitoring stations. These concentrations were also higher than historical levels.

The observed elevation in iron and manganese levels may be attributed to the impediment of water flow within the pipe, leading to water pooling at the inlet. The high temperatures measured at this station are indicative of a potential blockage in the pipe, which could be contributing to the observed increase in iron and manganese concentrations. The Hickenbottom and associated underground pipe is related to tile drainage managed by the landowner and should the pipe continue to appear blocked, amendment to the monitoring program may be considered.

Elevated levels of phosphorus, cadmium, and iron were noted, including the background surface water station SW4. Considering the background conditions the impact from the landfill, if any, does not appear significant in our opinion. The monitoring program remains appropriate in our opinion. Surface water sample analysis results are found in Table 7 (Appendix B).

8 Guideline B-7 Reasonable Use Policy Assessment and Action Plan

The reasonable use policy (RUP) provides a mechanism to calculate the reasonable use limits (RUL) for the Site using historical data from background well OW8R1 (formerly OW8) for overburden wells and BW3 for bedrock wells and corresponding drinking water criteria. Per Ministry Guideline B-7. Several groundwater RUL exceedances were reported for overburden monitoring wells OW3, OW5, OW12, OW13, OW14, MW101, MW102, and MW104 and bedrock monitoring wells BW1, BW2, BW3, and MW103 as presented in Table 4 and Table 5 respectively (Appendix B).

RULs for the following parameters were exceeded at one or more of the wells during the spring and/or fall sampling events: dissolved organic carbon (DOC), hardness, total dissolved solids (TDS), aluminum, arsenic, barium, iron, manganese, and uranium.

- Exceedances of the RULs for DOC and TDS are based on aesthetic objectives.
- Exceedances of the RUL for arsenic was reported at MW104 during the spring and fall sampling events, though the concentrations were within the same order of magnitude as the RUL, consistent with the concentrations reported in 2021. This arsenic concentration was higher than wells more proximal to the landfill and as such it does not appear the arsenic is related to leachate.
- Exceedances of RULs for hardness, aluminum, and barium may be influenced by non-leachate factors such as background contributions from the bedrock and/or soils common to the area.

- Exceedances of RULs for iron and manganese may be leachate related, however other leachate indicators meet the RULs, suggesting elevated metals may not be, in whole or in part, leachate related.
- Exceedances of the RUL for uranium may be derived from the bedrock considering the regional geology. Concentrations between 3 and 25 ug/L are reported in the Precambrian rock in the Gananoque area (Hamilton, 2015).

Exceedances of RULs suggest that the Site is non-compliant with MECP Guideline B-7. However, a number of the parameters may not be leachate related and the absence of domestic wells downgradient, within 500 m of the Site indicates that, at this time, the Site does not pose a threat to human health in our opinion.

As noted above we recommend acquiring the proposed CAZ shown in Figure 2 to mitigate non-compliance with B-7. TLTI reports the CAZ land procurement is ongoing.

9 Conclusions and Recommendations

The Escott WDS is an active site currently accepting non-hazardous solid waste. A Closure Plan was approved for the Site; however, considering the work undertaken by the Township in 2022 to reclaim capacity and compact garbage, the landfill could have up to 19 years of capacity remaining.

The shallow overburden groundwater tends to flow northward from the landfill. Bedrock has historically shown a north to northwesterly groundwater flow, except for the groundwater flow direction inferred from the 2021 fall monitoring data with indicated easterly flow. Attenuation of the leachate in the subsurface appears to be occurring.

Ministry Guideline B-7 has been applied to the Site. Results indicate that wells downgradient from the landfill have exceeded the RULs for a number of parameters, suggesting the Site does not conform to Ministry Guideline B-7 along the north property boundary. Results from the sampling do not indicate significant leachate impacts in the groundwater extend beyond MW102 and MW103. These wells may serve as future compliance wells within the proposed CAZ shown on Figure 2.

In our opinion, no immediate threat to human health from the leachate at the Site is apparent as no identified domestic wells are downgradient and within 500 m of the Site, and natural attenuation is inferred.

Surface water stations do not show significant evidence of leachate impact.

Further monitoring to the east of the landfill is not proposed, as visual inspection showed typical Canadian Shield geography with forest conditions and steep rising rock topography, so site conditions preclude easily installing wells.

The following recommendations are provided for the Escott WDS monitoring program:

- Continue with program to purchase land to form a CAZ which extends from the landfill's northern and eastern extent up to groundwater monitoring station MW102 and MW103.
- Repair degraded signage at the Site and obtain necessary signs and labelling to ensure compliance with condition 28 of the ECA.
- Evaluate the need for groundwater and surface water triggers and submit to the ministry following the purchase of additional CAZ lands.
- Reinstall monitoring well OW14.
- Consider removing SW4 and SW5 from the monitoring plan due to the lack of apparent landfill leachate impact to the surface water, and the well vegetated separation buffer.
- Further evaluation of the water quality at HBI.

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<https://www12.statcan.gc.ca/census-recensement/2021/dp-pd/prof/index.cfm?Lang=E> (accessed March 15, 2023).

Appendix A

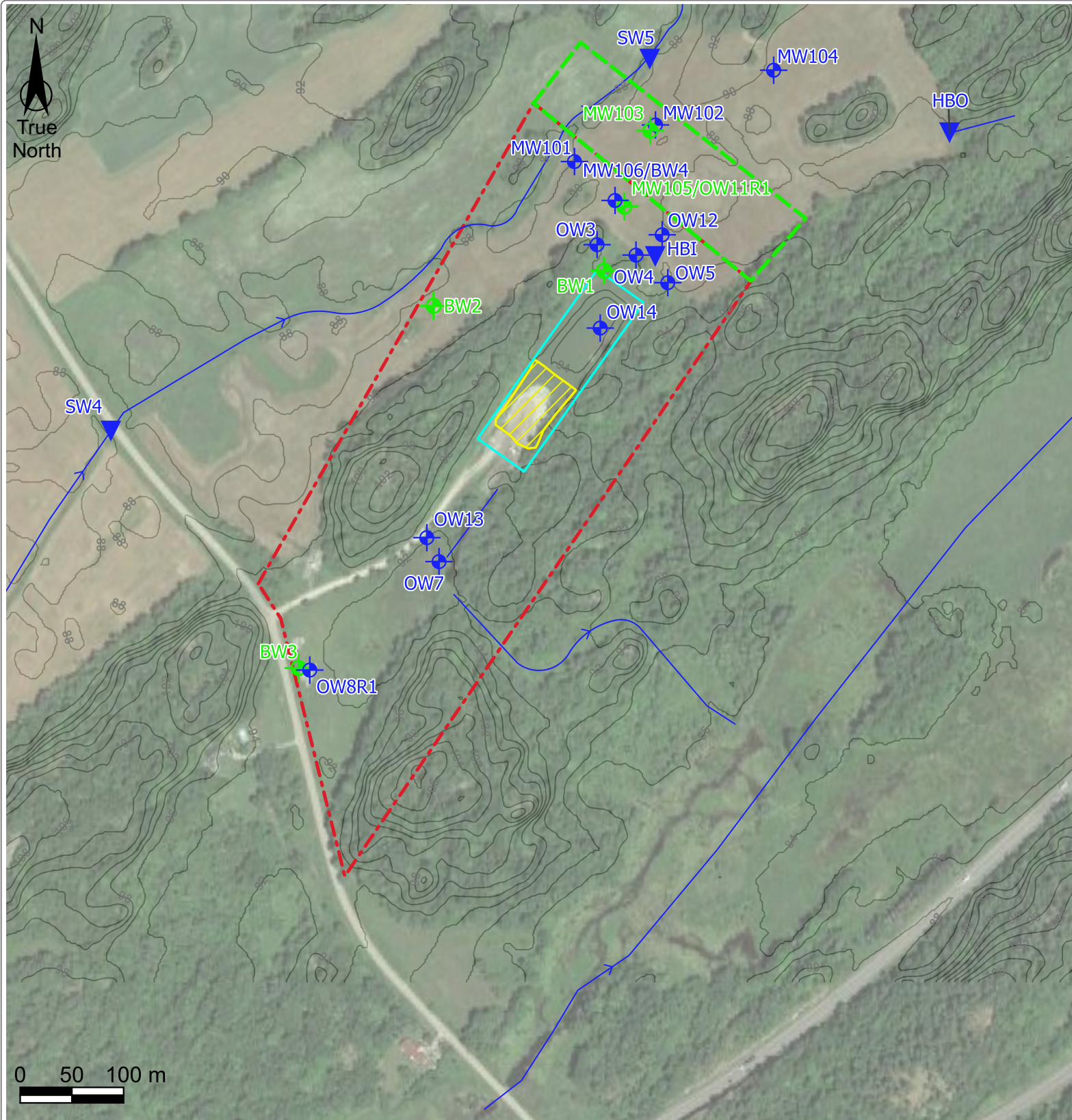
Figures



Legend

--- approximate property boundary

D0	2023-02-27	issued in final	CM	JMP
Rev	Date	Description	By	Chkd
Site Location Plan				
2022 Annual Monitoring Report Escott WDS - A441703 Township of Leeds and the Thousand Islands				
File: 1038-131.00	Figure 1			



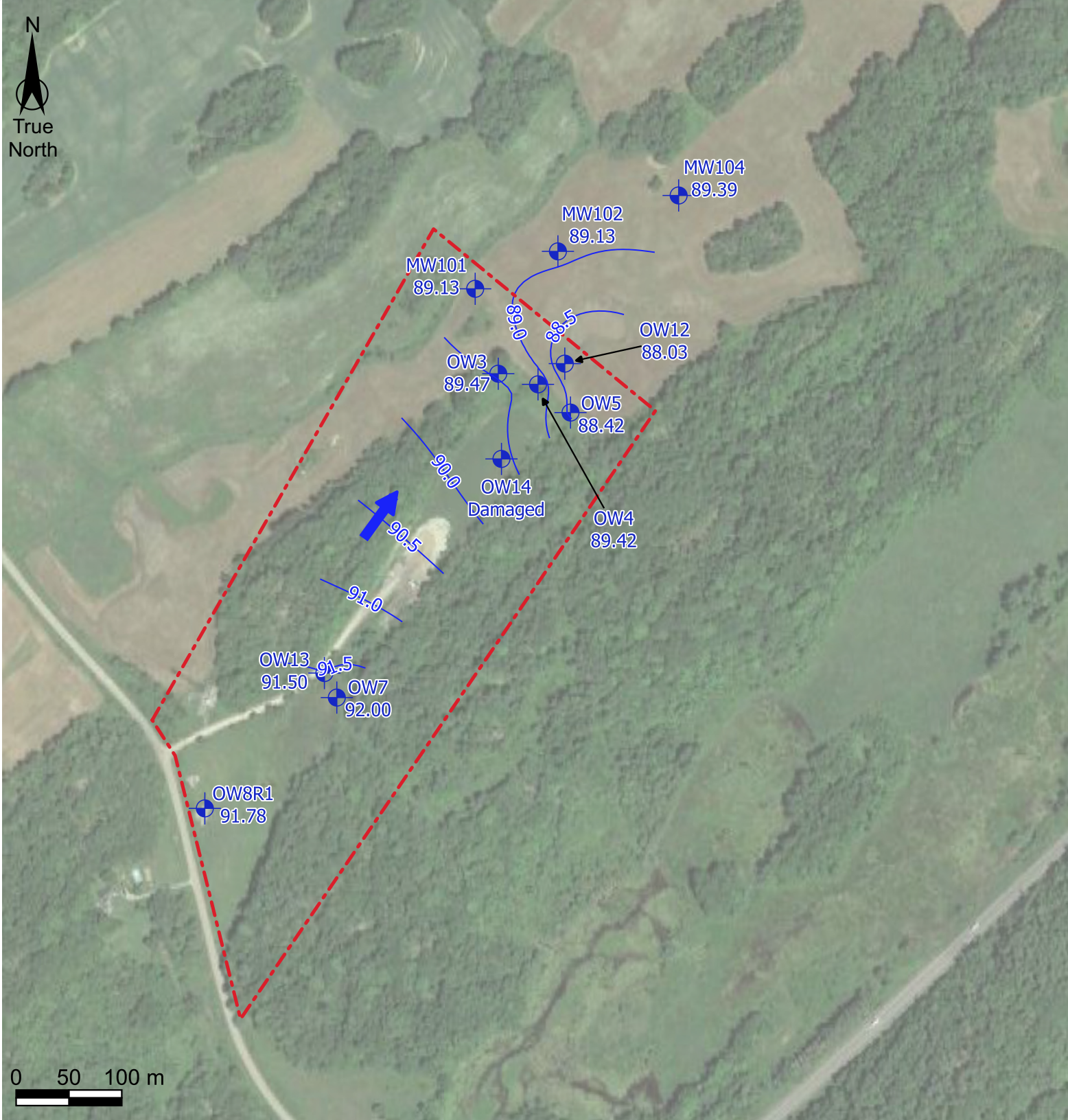
Legend

- [dashed green box] proposed CAZ lands to be purchased
- [dashed red line] approximate property boundary
- [solid cyan line] approximate boundary of current and historical waste fill area
- [solid brown line] approximate topography contours (MNR, 2014)
- [blue line with arrow] surface water feature with flow direction
- [hatched yellow box] 2022 active fill area
- [green dot with cross] bedrock monitoring well locations
- [blue dot with cross] overburden monitoring well location
- [blue triangle] surface water sampling station

Note: Replaced OW11R1 and BW4 with MW105 and MW106 respectively, on December 1, 2022.

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

D0	2023-03-01	issued in final	CM	JMP
Rev	Date	Description	By	Chkd
Site Plan				
2022 Annual Monitoring Report Escott WDS - A441703 Township of Leeds and the Thousand Islands				
File: 1038-131.00		Figure 2		



0 50 100 m

Legend

- approximate property boundary
- monitoring well location and groundwater elevation (mASL)
- inferred groundwater contour (0.5 m)
- ➔ inferred direction of groundwater flow

D0	2022-03-01	issued in final	CM	JMP
Rev	Date	Description	By	Chkd

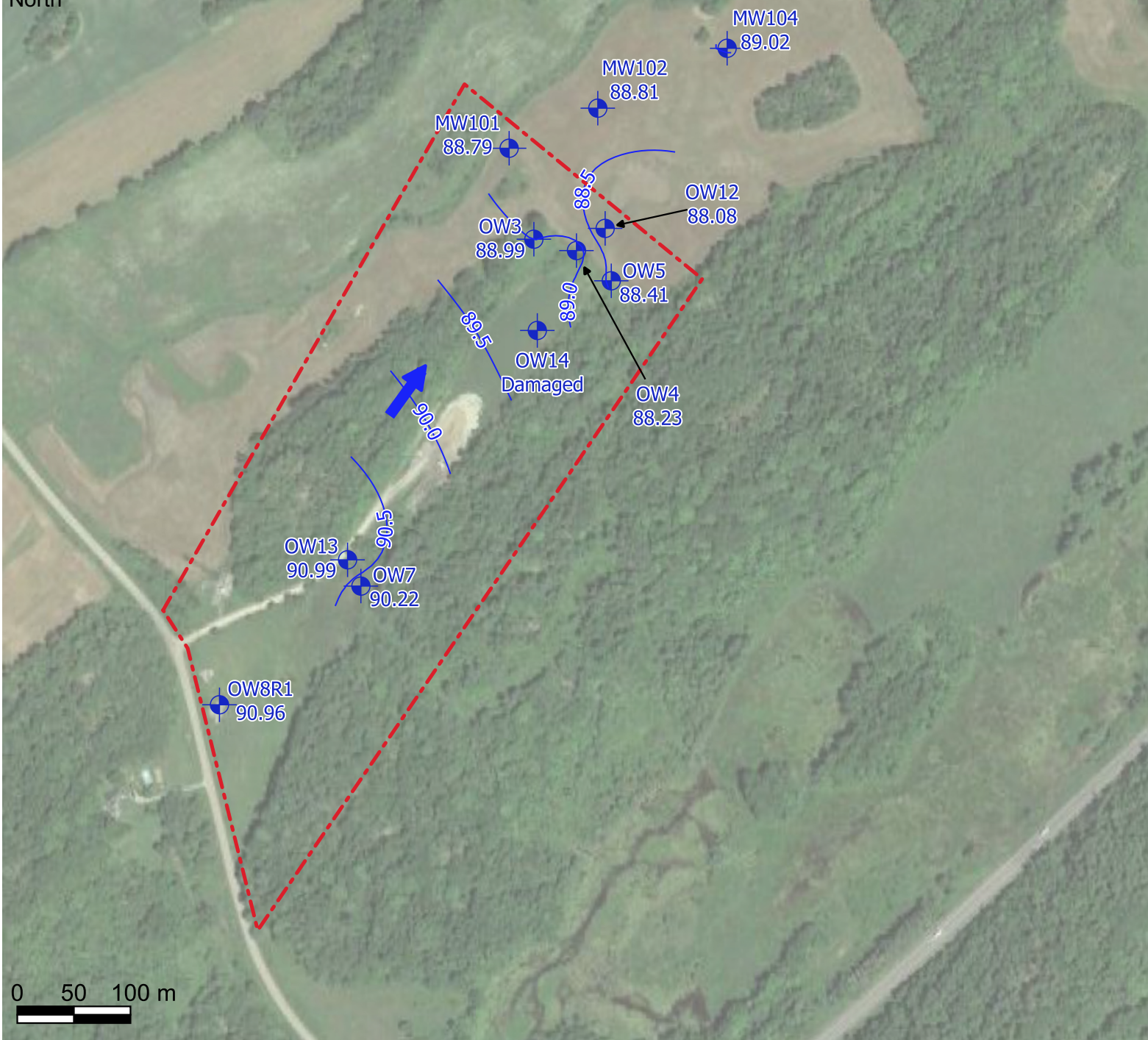
Inferred Shallow Groundwater Contours (April 28, 2022)

2022 Annual Monitoring Report
Escott WDS - A441703
Township of Leeds and the Thousand Islands

File: 1038-131.00

Figure
3a





Legend

- approximate property boundary
-  monitoring well location and groundwater elevation (mASL)
- inferred groundwater contour (0.5 m)
-  inferred direction of groundwater flow

D0	2022-03-01	issued in final	CM	JMP
Rev	Date	Description	By	Chkd

**Inferred Shallow Groundwater
Contours (Oct 24, 2022)**

2022 Annual Monitoring Report
Escott WDS - A441703
Township of Leeds and the Thousand Islands

File: 1038-131.00

**Figure
3b**



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



0 50 100 m

Legend

- approximate property boundary
- monitoring well location and groundwater elevation (mASL)
- inferred groundwater contour (0.1 m)
- ➔ inferred direction of groundwater flow

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

MW103
89.32

BW4
Damaged

BW1
89.81

BW2
89.11

BW3
90.51

D0	2022-03-01	issued in final	CM	JMP
Rev	Date	Description	By	Chkd
Inferred Bedrock Groundwater Contours (April 28, 2022)				
2022 Annual Monitoring Report Escott WDS - A441703 Township of Leeds and the Thousand Islands				
File: 1038-131.00	Figure 4a			



0 50 100 m

Legend

- approximate property boundary
- monitoring well location and groundwater elevation (mASL)
- inferred groundwater contour (0.1 m)
- ➔ inferred direction of groundwater flow

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

MW103
89.18

BW4
Damaged

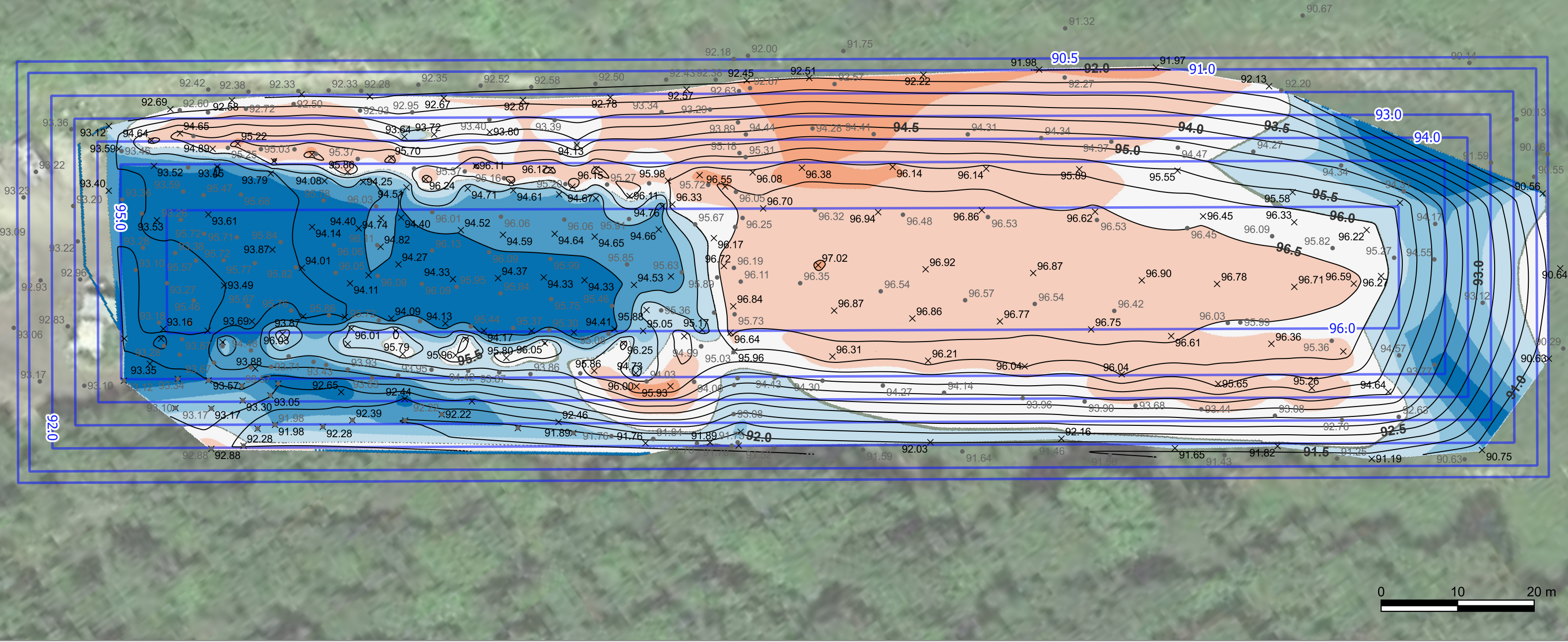
BW1
89.33

BW2
88.84

BW3
89.67

D0	2022-03-01	issued in final	CM	JMP
Rev	Date	Description	By	Chkd
Inferred Bedrock Groundwater Contours (October 24, 2022)				
2022 Annual Monitoring Report Escott WDS - A441703 Township of Leeds and the Thousand Islands				
File: 1038-131.00		Figure 4b		

Remaining Waste Capacity Based On
November 18, 2022 Survey: 3,516 m³



Legend

- final design contours
- 2022 waste contours
- × 2022 survey point
- 2021 survey point

Current Waste Mound Compared to Final Design Elevations

Dark Blue	-2.0 m to -1.5 m below final contours
Medium Blue	-1.5 m to -1.0 m below final contours
Light Blue	-1.0 m to -0.5 m below final contours
Very Light Blue	-0.5 m to 0.0 m below final contours
White	0.0 m to 0.5 m above final contours
Light Orange	0.5 m to 1.0 m above final contours
Orange	1.0 m to 1.5 m above final contours
Red	1.5 m to 2.0 m above final contours

Data Sources: Figure based on Malroz field observations and Google Earth imagery.

D0	2022-11-30	issued in final	RV	JP
Rev	Date	Description	By	Chkd
Remaining Landfill Capacity (2022)				
Escott Waste Disposal Site Township of Leeds and the Thousand Islands				
File: 1038-131.00	Figure 5			

Appendix B

Tables

Table 1
Well Inspection

Well ID	Well Type	Well Construction	Well Integrity			Notes
	Protective casing	Material	Locked	Capped	Condition ^[1]	
BW1	Steel monument	2" Schedule 40 PVC	Y	J-Plug	good	-
BW2	Steel monument	2" Schedule 40 PVC	Y	J-Plug	good	-
BW3	Steel monument	2" Schedule 40 PVC	Y	J-Plug	good	-
BW4	Steel monument	2" Schedule 40 PVC	Y	J-Plug	poor	hit by equipment: seal appears compromised
OW3	none/stickup	2" Schedule 40 PVC	Y	J-Plug	good	-
OW4	none/stickup	2" Schedule 40 PVC	Y	J-Plug	good	-
OW5	none/stickup	1" Schedule 40 PVC	Y	J-Plug	good	-
OW7	Steel monument	2" Schedule 40 PVC	Y	J-Plug	good	-
OW8R1	Steel monument	2" Schedule 40 PVC	Y	J-Plug	good	-
OW11R1	Steel monument	2" Schedule 40 PVC	Y	J-Plug	poor	hit by equipment: seal appears compromised
OW12	Steel monument	2" Schedule 40 PVC	Y	J-Plug	good	pinched piezo (~0.4m from TOP); function not compromised
OW13	Steel monument	2" Schedule 40 PVC	Y	J-Plug	good	-
OW14	Steel monument	2" Schedule 40 PVC	Y	Slip Cap	poor	buried under cap during topsoil removal
MW101	Steel monument	2" Schedule 40 PVC	Y	J-Plug	good	-
MW102	Steel monument	2" Schedule 40 PVC	Y	J-Plug	good	-
MW103	Steel monument	1.5" Schedule 40 PVC	Y	J-Plug	good	-
MW104	Steel monument	2" Schedule 40 PVC	Y	J-Plug	good	-

Notes:

[1]

Well inspection completed on April 28 and October 25, 2022

Well conditions ranked as:
good (no maintenance required),
fair (minor maintenance required),
poor (requires maintenance or abandonment)

no notes

Data Input: SG

Data Checked: RF

Table 2
Surface Water Station Descriptions

Station	(NAD 83, Zone 18T)				Flow Conditions		Notes
	April UTM's		October UTM's				
	Northing (m)	Easting (m)	Northing (m)	Easting (m)	2022-04-28	2022-10-44	
HBI	4917690	425012	4917690	425010	lentic	lentic	Located along fenceline of adjacent agricultural field, north-east of the WDS. Upstream point of the agricultural drainage tile.
HBO	4917817	425310	4917815	425311	lotic	lentic	Located north-east of the WDS. Downstream point of the agricultural drainage tile.
SW4	4917521	424503	4917521	424493	not flowing	lentic	Located upstream, to the west of the WDS, next to Escott Rockport Road. SW-4 is intended to represent background surface water quality for the northern drainage channel.
SW5	4917922	425045	4917929	425038	lotic	lentic	Located downstream, to the north of the WDS, along the northern creek.

Data Input: SG
Data Check: RF

Table 3
Groundwater Monitoring Results

Location	DTW (mbTOP)	DTB (mbTOP)	TOP Elevation (masl)	Grade Elevation (masl)	Groundwater Elevation (masl)	Methane Concentration (%LEL)	Purge Water Observations		
							Colour	Odour	Sediment
April 28, 2022									
BW1	1.45	23.45	91.26	90.22	89.81	nr	clear	none	none
BW2	0.58	8.50	89.69	89.02	89.11	nr	clear	none	none
BW3	2.24	20.21	92.75	92.29	90.51	<1	clear	none	none
BW4	damaged								
OW3	1.42	3.94	90.89	89.78	89.47	<1	brown	none	abundant
OW4	1.55	2.95	90.97	89.77	89.42	<1	monitored only		
OW5*	2.58	5.50	91.00	90.06	88.42	<1	brown	none	some
OW7	1.08	3.80	93.08	91.53	92.00	<1	monitored only		
OW8R1	0.93	3.76	92.71	91.88	91.78	<1	brown	none	some
OW11R1	damaged								
OW12	1.70	5.45	89.73	88.60	88.03	nr	-	-	-
OW13	0.92	7.09	92.42	91.45	91.50	<1	grey	none	some
OW14	3.32	9.19	94.51	94.28	91.19	1	grey	sulfur	abundant
MW101	0.83	6.12	89.96	88.59	89.13	<1	brown	none	abundant
MW102	1.74	5.32	90.87	89.72	89.13	<1	brown	none	abundant
MW103	1.24	7.44	90.56	89.77	89.32	<1	cloudy clear	none	trace
MW104	1.10	5.73	90.49	89.54	89.39	<1	brown	none	abundant
October 24, 2022									
BW1	1.93	22.05	91.26	90.22	89.33	nr	clear	none	trace
BW2	0.85	8.50	89.69	89.02	88.84	nr	clear	sulfur	none
BW3	3.08	20.28	92.75	92.29	89.67	nr	clear	none	trace
BW4	damaged								
OW3	1.90	4.10	90.89	89.78	88.99	nr	cloudy	none	heavy
OW4	1.74	2.98	90.97	89.77	89.23	nr	monitored only		
OW5*	2.59	5.54	91.00	90.06	88.41	nr	cloudy grey	none	trace
OW7	2.86	3.85	93.08	91.53	90.22	nr	monitored only		
OW8R1	1.75	3.75	92.71	91.88	90.96	nr	cloudy brown	none	some
OW11R1	damaged								
OW12	1.65	5.64	89.73	88.60	88.08	nr	cloudy grey	none	abundant
OW13	1.43	7.10	92.42	91.45	90.99	nr	cloudy brown	none	abundant
OW14	damaged								
MW101	1.17	5.44	89.96	88.59	88.79	nr	cloudy grey	none	abundant
MW102	2.06	5.56	90.87	89.72	88.81	<1	brown	none	abundant
MW103	1.38	7.55	90.56	89.77	89.18	nr	clear	none	none
MW104	1.47	6.43	90.49	89.54	89.02	nr	brown	none	abundant

Notes:

LEL denotes lower explosive limit
nr indicates no response
DTW depth to water
DTB depth to well bottom
- not measured due to exclusion from sampling program or insufficient water
masl meters above mean sea level
mbTOP denotes meters below top of piezometer
* survey data provided by the TLTI
Survey completed on April 15, 2020 using Trimble R10 GNSS

Data Input: SG
Data Check: RF

Table 4

2022 Overburden Groundwater Chemistry

Location						OW 3		OW5		OW8R1 (background)		OW12 (compliance)		OW13		OW14		MW101		MW102		MW104	
PARAMETERS	UNITS	RL (2022)	ODWS	RUL (2022)	Sample ID Date	22-W011 2022-Apr-28	22-W026 2022-Oct-24	22-W010 2022-Apr-28	22-W028 2022-Oct-24	22-W016 2022-Apr-28	22-W032 2022-Oct-24	22-W008 2022-Apr-28	22-W025 2022-Oct-24	22-W014 2022-Apr-28	22-W030 2022-Oct-24	22-W013 2022-Apr-28	- 2022-Oct-24	22-W006 2022-Apr-28	22-W018 2022-Oct-24	22-W001 2022-Apr-28	22-W019 2022-Oct-24	22-W004 2022-Apr-28	22-W021 2022-Oct-24
Alkalinity	mg/L	5	30-500 ^{OG}	447		337	325	232	249	294	323	344	369	359	388	1080		285	287	291	339	205	209
Ammonia	mg/L	0.01				0.07	0.08	0.01	0.04	<	0.04	0.11	0.14	0.06	0.11	2.87		0.21	0.12	0.11	0.05	0.1	0.16
BOD	mg/L	3				<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	5	<
COD	mg/L	5				14	81	<	<	7	14	12	97	<	46	491		161	45	313	221	936	718
DOC	mg/L	0.2	5 ^{AO}	3.5		3.6	7.9	2.8	1.9	3.9	2.0	4.7	8.4	2.5	2.5	11.3		5.1	3.9	2.8	2.7	2.8	2.0
Conductivity	µmho/cm	1				777	697	466	468	566	581	681	663	711	690	2190		682	615	672	742	455	443
Hardness	mg/L	1	80-100 ^{OG}	243		390	336	250	257	292	308	358	344	365	380	1200		337	326	349	389	228	238
pH	pH Units	-	6.5 - 8.5 ^{OG}			7.89	7.99	7.9	8.01	7.91	8.01	8.04	8.33	8.02	8.07	7.31		7.59	7.89	7.83	7.88	7.74	8.03
Phenols	mg/L	0.001				<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<
Phosphorus (total)	mg/L	0.01				8.13	4.52	0.53	0.27	0.07	0.13	2.12	4.75	1.37	1.34	41.6		10.5	1.85	3.31	30.5	39.5	88.8
Total Dissolved Solids	mg/L	3	500 ^{AO}	457		407	362	241	242	293	301	354	344	369	358	1210		354	319	349	387	235	229
Total Suspended Solids	mg/L	3				10500	13200	580	270	94	138	1780	3640	1840	2370	15900		16000	2530	64000	50100	164000	38600
N - Total Kjeldahl	mg/L	0.1				1.3	1.1	0.2	0.2	0.1	0.2	< 1	2.5	0.3	0.3	6.9		1.6	0.3	< 1	< 10	4.9	< 10
Chloride	mg/L	0.5	250 ^{AO}	126		27.5	16.7	1.3	1.0	0.5	<	2.5	2.3	2.5	2.8	74.9		21.0	18.1	11.6	18.2	3.0	2.5
N - Nitrate	mg/L	0.05	10.0 ^{CS}	2.7		0.21	1.11	<	<	0.4	0.37	0.77	0.94	<	<	<		0.06	<	1.55	<	<	<
N - Nitrite	mg/L	0.05	1.0 ^{CS}	0.27		<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<
Sulphate	mg/L	1	500 ^{AO}	257		44	35	10	10	4	4	17	11	13	10	101		36	24	37	45	28	29
Mercury	mg/L	0.00002	0.001 ^{CS}	0.00026		<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<
Aluminum	mg/L	0.01	0.1 ^{OG}	0.08		0.03	0.06	0.02	0.04	0.02	0.05	0.01	0.04	0.02	0.04	0.05		0.03	0.06	0.03	0.06	0.03	0.05
Antimony	mg/L	0.0001				<	0.0001	<	<	<	0.0003	<	<	<	<	<		<	<	<	0.0001	0.0003	0.0003
Arsenic	mg/L	0.0001	0.01 ^{CS}	0.0029		0.0004	0.0004	0.0004	0.0005	0.0001	0.0006	0.0005	0.001	0.0015	0.0014	0.0016		0.0013	0.0004	0.0004	0.0006	0.0037	0.0046
Barium	mg/L	0.001	1.0 ^{CS}	0.308		0.095	0.08	0.078	0.087	0.048	0.055	0.136	0.138	0.237	0.24	0.652		0.082	0.066	0.185	0.201	0.265	0.259
Beryllium	mg/L	0.002				<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<
Boron	mg/L	0.005	5 ^{CS}	1.26		0.015	0.012	0.006	0.009	<	0.007	0.052	0.062	0.027	0.027	0.465		0.15	0.149	0.124	0.168	0.069	0.073
Cadmium	mg/L	0.000015	0.005 ^{CS}	0.0013		<	<	<	<	<	< 0.000029	<	<	<	0.00001	< 0.000029		<	<	<	<	<	<
Calcium	mg/L	0.02				91.4	82.3	59.6	62	68.6	73	46.6	42.4	58.2	67.6	177		95.8	93.1	97.9	111	62.9	66.9
Chromium	mg/L	0.001	0.05 ^{CS}	0.013		<	<	<	<	0.001	0.007	0.001	0.002	<	<	0.001		<	<	<	<	<	<
Cobalt	mg/L	0.0001				<	<	<	<	<	0.0001	<	<	<	0.0002	0.0001		0.0004	0.0003	0.0001	0.0001	0.0001	<
Copper	mg/L	0.0001	1 ^{AO}	0.5		0.0011	0.0024	0.0004	0.0021	0.0009	0.0194	0.0005	0.0004	0.0004	0.0016	0.0002		0.0007	0.0012	0.0012	0.0011	0.0003	0.0002
Iron	mg/L	0.005	0.3 ^{AO}	0.169		<	<	<	0.014	<	<	<	<	<	0.031	3.480		0.434	0.333	<	0.008	0.064	0.110
Lead	mg/L	0.00002	0.010 ^{CS}	0.0025		0.00003	<	0.00002	0.00011	0.00002	0.00011	<	<	0.00002	0.00005	<0.00009		0.00011	0.00008	0.00003	0.00002	0.00004	0.00002
Magnesium	mg/L	0.02				39.3	31.7	24.7	24.9	29.4	30.5	58.7	57.8	53.5	51.3	184.0		23.7	22.7	25.3	27.1	17.1	17.1
Manganese	mg/L	0.001	0.05 ^{AO}	0.028		0.002	0.001	0.001	0.006	<	<	<	<	0.019	0.021	0.664		0.176	0.163	0.023	0.030	0.023	0.032
Molybdenum	mg/L	0.01				<	<	<	<	<	<	<	0.02	<	<	<		<	<	<	<	<	<
Nickel	mg/L	0.01				<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<
Potassium	mg/L	0.1				1.2	0.7	1.3	1.4	0.4	0.4	2.5	2.9	2.6	2.6	6.4		3.2	3.2	2.4	2.5	2	1.9
Selenium	mg/L	0.001	0.05			<	<	<	<	<	0.004	0.001	0.001	<	<	0.003		<	<	<	<	<	<
Silicon	mg/L	0.01				9.29	5.51	10.40	6.64	8.25	5.62	6.96	4.69	13.40	7.30	15.20		6.44	3.90	7.58	5.30	11.40	6.87
Silver	mg/L	0.0001				<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<
Sodium	mg/L	0.2	200 ^{AO} [a]	108		8.6	7.8	5.4	5.7	11.3	14.9	19.8	20.5	17.4	17.5	54.6		10.4	10.0	10.7	16.8	5.9	6.1
Strontium	mg/L	0.001				0.36	0.26	0.14	0.14	0.22	0.23	1.05	1.07	0.67	0.62	1.14		1.59	1.48	1.40	1.66	0.59	0.61
Thallium	mg/L	0.00005				<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<
Tin	mg/L	0.05				<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<
Titanium	mg/L	0.005				<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<
Tungsten	mg/L	0.01				<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<
Uranium	mg/L	0.00005	0.02 ^{CS}	0.0058		0.00145	0.00159	0.00050	0.00047	0.00117	0.00543	0.00455	0.00450	0.00110	0.00118	0.0221		0.0160	0.0130	0.0227	0.0207	0.00024	0.00026
Vanadium	mg/L	0.0001				0.0013	0.0017	0.0009	0.0010	0.0008	0.0054	0.0019	0.0014	0.0005	0.0008	0.0005		0.0003	0.0002	0.0009	0.0012	0.0006	0.0004
Zinc	mg/L	0.005	5 ^{AO}	2.5		<	<	<	<	<	<	<	<	<	<	<		<	<	<	<	<	<
pH (field)	pH Units	-	6.5 - 8.5 ^{OG}			7.76	8.56	7.68	8.76	7.62	8.12	7.57	8.76	8.32	8.66	7.53		7.16	8.01	8.04	7.68	7.01	8.1
Temperature (field)	°C	-	15 ^{AO}			10.84	14.89	9.04	14.52	7.50	15.22	7.52	18.33	14.21	13.40	11.42		9.08	11.69	7.96	12.45	9.45	12.58
Dissolved Oxygen (field)	mg/L	-				6.66	8.12	5.69	6.20	8.18	12.06	10.54	7.75	12.07	5.62	7.01		4.84	2.80	13.30	9.74	5.90	5.30
Conductivity (field)	mS/cm	-				0.583	0.586	0.433	0.461	0.505	0.844	0.636	0.673	0.633	0.620	1.950		0.624	0.604	0.614	0.721	0.413	0.402
Ammonia, Unionized (Field) ^[1]	mg/L	0.001				<	0.007	<	0.005	<	0.001	<	0.023	0.003	0.011	0.020		<	0.003	0.002	<	<	0.004

Shading indicates parameters exceeding guideline criteria

denotes concentration exceeds the 2003 Ontario Drinking Water Quality Standards (as updated in 2020)

denotes concentration exceedance of RUL

Data Input: SG
Data Check: JMP

Notes: "MW####" and "## -W####" denote groundwater monitoring well and Sample ID
"RL" denotes reporting limit
"<#" denotes elevated reporting limit
"<" denotes results below reporting limit
"<#" denotes elevated reporting limit
"-" denotes not analyzed
"DUP" denotes duplicate sample
"LF" denotes low flow sampling method used
groundwater samples analyzed for metals were field filtered using 0.45 micron filters
AO indicates aesthetic objective **OG** indicates operational guidelines **CS** chemical standards
[a] the local medical health officer should be notified when the sodium concentration exceeds 20 mg/L
[1] Unionized Ammonia calculated using field parameters for pH and temperature
Malroz was not able to independently validate historic chemistry and exceedances, provided by the Township of Leeds and the Thousand Islands

Table 5
2022 Bedrock Groundwater Chemistry

Location						BW1		BW2 (compliance)		BW3 (background)		BW4 (compliance)		MW103 (cross gradient from landfill)	
PARAMETERS	UNITS	RL (2022)	ODWS	RULs (2022)	Sample ID Date	22-W012 2022-Apr-28	22-W029 2022-Oct-24	22-W007 2022-Apr-28	22-W024 2022-Oct-24	22-W015 2022-Apr-28	22-W031 2022-Oct-24	- 2022-Apr-28	- 2022-Oct-24	22-W002 2022-Apr-28	22-W020 2022-Oct-24
Alkalinity	mg/L	5	30-500 ^{OG}	424		892	1010	166	176	326	336	well damaged not sampled	well damaged not sampled	318	369
Ammonia	mg/L	0.01				2.76	3.19	<	0.05	<	0.02			0.03	0.08
BOD	mg/L	3				<	<	<	<	<	<			<	<
COD	mg/L	5				23	26	10	<	<	<			<	<
DOC	mg/L	0.2	5 ^{AO}	3.5		14.0	6.0	7.2	2.2	4.3	1.9			3.3	2.9
Conductivity	µmho/cm	1				1960	2030	359	363	710	694			744	813
Hardness	mg/L	1	80-100 ^{OG}	240		1010	1090	176	192	363	376			302	426
pH	pH units	-	6.5 - 8.5 ^{OG}			7.33	7.56	7.46	8.04	7.82	7.96			7.78	7.93
Phenols	mg/L	0.001				<	<	<	<	<	<			<	<
Phosphorus (total)	mg/L	0.01				0.03	0.03	0.02	<	<	0.01			0.07	0.02
Total Dissolved Solids	mg/L	3	500 ^{AO}	448		1080	1120	185	187	369	360			388	428
Total Suspended Solids	mg/L	3				24	12	9.0	6.0	4.0	10			200	56
N - Total Kjeldahl	mg/L	0.1				3.0	4.1	0.1	0.1	0.2	0.1			0.2	0.2
Chloride	mg/L	0.5	250 ^{AO}	135		72.3	64.6	4.4	4.4	21.1	20.4			21.4	25.2
N - Nitrate	mg/L	0.05	10.0 ^{CS}	2.7		<	< 0.5	<	<	0.52	0.45			<	<
N - Nitrite	mg/L	0.05	1.0 ^{CS}	0.27		<	< 0.5	<	<	<	<			<	<
Sulphate	mg/L	1	500 ^{AO}	259		111	88	14	12	16	16			47	43
Mercury	mg/L	0.00002	0.001 ^{CS}	0.00029		<	<	<	<	<	<			<	<
Aluminum	mg/L	0.01	0.1 ^{OG}	0.05		0.08	0.11	0.01	0.04	0.03	0.05			0.03	0.08
Antimony	mg/L	0.0001				<	<	<	0.0002	<	<			<	<
Arsenic	mg/L	0.0001	0.01 ^{CS}	0.0027		0.0014	0.0003	0.0003	0.0004	<	<			0.0003	0.0004
Barium	mg/L	0.001	1.0 ^{CS}	0.364		0.346	0.387	0.058	0.066	0.157	0.160			0.120	0.168
Beryllium	mg/L	0.002				<	<	<	<	<	<			<	<
Boron	mg/L	0.005	5.0 ^{CS}	1.27		0.621	0.739	0.070	0.071	0.018	0.018			0.186	0.252
Cadmium	mg/L	0.000015	0.005 ^{CS}	0.0013		< 0.000029	<	<	<	<	<			<	<
Calcium	mg/L	0.02				238	256	52.5	58.3	82.9	86.0			90.3	123
Chromium	mg/L	0.001	0.05 ^{CS}	0.013		<	<	<	<	<	<			<	<
Cobalt	mg/L	0.0001				0.0107	0.0025	<	<	<	<			0.0002	0.0004
Copper	mg/L	0.0001	1 ^{AO}	0.50		0.0010	0.0005	0.0002	0.0002	0.0012	0.0021			0.0002	0.0008
Iron	mg/L	0.005	0.3 ^{AO}	0.175		3.13	3.44	0.044	0.056	<	<			0.202	0.433
Lead	mg/L	0.00002	0.010 ^{CS}	0.0025		<0.00009	0.00003	<	<	<	0.00005			<	0.00004
Magnesium	mg/L	0.02				102	110	10.8	11.2	37.9	39.1			18.5	28.8
Manganese	mg/L	0.001	0.05 ^{AO}	0.026		3.440	3.430	0.030	0.037	<	<			0.251	0.299
Molybdenum	mg/L	0.01				<	<	<	<	<	<			<	<
Nickel	mg/L	0.01				<	0.01	<	<	<	<			<	<
Potassium	mg/L	0.1				5.4	6.1	2.3	2.5	2.2	2.2			2.4	3.3
Selenium	mg/L	0.001	0.05			0.003	<	<	<	<	<			<	<
Silicon	mg/L	0.01				13.1	7.90	5.60	3.56	9.31	5.50			7.62	5.14
Silver	mg/L	0.0001				<	<	<	<	<	<			<	<
Sodium	mg/L	0.2	200 ^{AO [a]}	106		75.2	80.3	7.2	5.8	13.9	13.7			10.5	15.5
Strontium	mg/L	0.001				1.23	1.30	1.10	1.14	0.360	0.370			1.97	3.04
Thallium	mg/L	0.00005				<	<	<	<	<	<			<	<
Tin	mg/L	0.05				<	<	<	<	<	<			<	<
Titanium	mg/L	0.005				<	<	<	<	<	<			<	<
Tungsten	mg/L	0.01				<	<	<	<	<	<			<	<
Uranium	mg/L	0.00005	0.02 ^{CS}	0.0083		0.0137	0.0027	0.0068	0.0059	0.0048	0.0044			0.0189	0.0261
Vanadium	mg/L	0.0001				0.0004	<	0.0002	0.0002	0.0003	0.0004			0.0003	0.0003
Zinc	mg/L	0.005	5 ^{AO}	2.5		<	0.006	<	<	<	<			<	<
pH (field)	pH Units	-	6.5 - 8.5 ^{OG}			6.83	7.53	7.65	8.50	7.98	8.27			6.82	7.64
Temperature (field)	°C	-	15 ^{AO}			10.15	12.98	8.02	13.25	10.97	14.89			8.77	11.77
Dissolved Oxygen (field)	mg/L	-				1.73	0.00	1.27	0.00	6.76	8.12			1.38	2.62
Conductivity (field)	mS/cm	-				1.810	1.910	0.329	0.361	0.640	0.586			0.563	0.784
Ammonia, Unionized (Field) ^[1]	mg/L	0.001				0.004	0.025	<	0.004	<	<			<	<

Shading indicates parameters exceeding guideline criteria

denotes concentration exceeds the 2003 Ontario Drinking Water Quality Standards (as updated in 2020)

denotes exceedance of RUL in compliance wells BW4 and BW2

Data Input: SG
Data Check: JMP

Notes: "MW####" and "## -W####" denote groundwater monitoring well and Sample ID
"BW#" denotes bedrock monitoring well
"RL" denotes reporting limit
"<#" denotes elevated reporting limit
"<" denotes results below reporting limit
"-" denotes not analyzed
groundwater samples analyzed for metals were field filtered using 0.45 micron filters
[a] the local medical health officer should be notified when the sodium concentration exceeds 20 mg/L
[1] Unionized Ammonia calculated using field parameters for pH and temperature
AO indicates aesthetic objective OG indicates operational guideline CS chemical standards
Malroz was not able to independently validate historic chemistry and exceedances, provided by the Township of Leeds and the Thousand Islands

Table 6
2022 Groundwater VOC Chemistry

Parameters	Monitoring Location			BW1	OW14
	Sample ID			22-W012	22-W013
	Date			2022-Apr-28	2022-Apr-28
	Units	RL (2022)	ODWS		
Acetone	µg/L	30		<	<
Benzene	µg/L	0.5	1	<	0.6
Bromodichloromethane	µg/L	2		<	<
Bromoform	µg/L	5		<	<
Bromomethane	µg/L	0.5		<	<
Carbon tetrachloride	µg/L	0.2	2	<	<
Chlorobenzene	µg/L	0.5	80	<	<
Chloroethane	µg/L	3		<	<
Chloroform	µg/L	1		<	<
Chloromethane	µg/L	2		<	<
Dibromochloromethane	µg/L	2		<	<
1,2-Dibromoethane				<	<
Dichlorodifluoromethane	µg/L	2		<	<
1,2-Dichlorobenzene	µg/L	0.5	200	<	<
1,3-Dichlorobenzene	µg/L	0.5		<	<
1,4-Dichlorobenzene	µg/L	0.5	5	<	<
1,1-Dichloroethane	µg/L	0.5		<	<
1,2-Dichloroethane	µg/L	0.5	5	<	<
1,2-Dichloroethene, cis				<	<
1,2-Dichloroethene, trans				<	<
1,2-Dichloroethene, Total	µg/L	0.5		<	<
1,1-Dichloroethylene	µg/L	0.5	14	<	<
1,3-Dichloropropylene, trans	µg/L	0.5		<	<
1,3-Dichloropropylene, cis	µg/L	0.5		<	<
1,2-Dichloropropane	µg/L	0.5		<	<
1,3-Dichloropropene, cis+trans	µg/L	0.5		<	<
Ethylbenzene	µg/L	0.5	140	<	<
n-Hexane	µg/L	5		<	<
Methyl Ethyl Ketone	µg/L	20		<	<
Methyl Butyl Ketone	µg/L	5		<	<
Methyl Isobutyl Ketone	µg/L	20		<	<
Methyl-t-butyl Ether	µg/L	2		<	<
Methylene Chloride	µg/L	5		<	<
Styrene	µg/L	0.5		<	<
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	<	<
1,1,1-Trichloroethane	µg/L	0.5		<	<
1,1,2-Trichloroethane	µg/L	0.5		<	<
Trichloroethylene	µg/L	0.5		<	<
Trichlorofluoromethane	µg/L	5		<	<
1,3,5-Trimethylbenzene	µg/L	0.1		<	<
Vinyl chloride	µg/L	0.2	1	<	<
m+p-Xylenes	µg/L	1.0		<	<
o-Xylene	µg/L	0.5		<	<
Xylenes (Total)	µg/L	1.1	90	<	<

Data Input: SG

Data Check: JMP

Shading indicates parameters exceeding guideline criteria

denotes concentration exceeds the 2003 Ontario Drinking Water Quality Standards (as updated in 2020)

Notes: "BW####" denotes bedrock monitoring well
"OW #" denotes overburden monitoring well
"RL" denotes reporting limit
"<" denotes results below reporting limit
"-" denotes not analyzed

Malroz was not able to independently validate historic chemistry and exceedances, provided by the Township of Leeds and the Thousand Islands

Table 7
2022 Surface Water Chemistry

Location							North Stream				Hickenbottom Stream			
PARAMETERS	UNITS	RL (2022)	PWQO (mg/L)	Table A: Aquatic Protection Value (mg/L)	Table B: Canadian Water Quality Guideline (mg/L)	Sample ID	SW4 (Background)		SW5		Hickenbottom Inlet (HBI)		Hickenbottom Outlet (HBO)	
							22-W017	22-W033	22-W003	22-W023	22-W009	22-W027	22-W005	22-W022
							2022-Apr-28	2022-Oct-24	2022-Apr-28	2022-Oct-24	2022-Apr-28	2022-Oct-24	2022-Apr-28	2022-Oct-24
Alkalinity	mg/L	5	[a]				118	93	136	132	421	270	187	143
Ammonia	mg/L	0.01					<	0.03	<	0.05	<	0.02	<	0.04
Ammonia, unionized	mg/L	0.01	0.020	0.100			<	<	<	<	<	<	<	<
BOD	mg/L	3					<	<	<	3	<	5	<	<
COD	mg/L	5					30	35	28	47	16	294	6.0	28
DOC	mg/L	0.2					11.6	17.0	14.8	17.1	14.8	10.0	5.1	13.4
Conductivity	µmho/cm	1					283	270	306	363	909	669	396	359
Hardness	mg/L	1					122	125	144	174	437	301	203	175
pH	pH Units	0	6.5-8.5	6.0-9.0			7.18	7.57	7.24	7.62	8.14	8.11	7.06	7.62
Phenols	mg/L	0.001	0.001	0.04 ^[a]	0.004 ^[b]		<	<	<	<	<	<	<	<
Phosphorus (total)	mg/L	0.01	0.02				0.09	0.14	0.04	0.18	0.05	2.68	0.03	0.14
o-Phosphate	mg/L	0.002					0.034	0.097	0.027	0.070	0.027	0.062	0.019	0.101
TDS	mg/L	3					145	138	157	187	482	347	204	185
TSS	mg/L	3					10	10	4.0	115	30	960	5.0	8.0
N - Total Kjeldahl	mg/L	0.1					0.7	1.1	0.6	1.4	0.5	10.3	0.2	1.0
Chloride	mg/L	0.5		180	128		11.7	13.2	9.7	13.9	33.8	48.4	4.6	6.1
N - Nitrate	mg/L	0.05			2.9		<	0.07	0.05	0.49	<	0.19	0.63	0.82
N - Nitrite	mg/L	0.05			0.06		<	<	<	<	<	<	<	<
Sulphate	mg/L	1		100			6.0	35	8.0	48	17	54	11	25
Mercury	mg/L	0.00002	0.0002				<	<	<	<	<	<	<	<
Aluminum	mg/L	0.01	0.075 ^[c]				0.03	0.05	0.03	0.08	0.04	0.02	0.02	0.06
Arsenic	mg/L	0.0001	0.001	0.15			0.0003	0.0004	0.0002	0.0005	0.0002	0.0015	0.0001	0.0003
Barium	mg/L	0.001		2,300			0.039	0.061	0.044	0.08	0.091	0.546	0.041	0.071
Boron	mg/L	0.005	0.200	3,550	1.50		0.008	<	0.010	0.006	0.460	0.600	0.022	0.078
Cadmium	mg/L	0.000015	0.00005 ^[d]	0.00021	0.000017		0.000031	0.000068	0.000025	0.000072	0.00002	0.000667	0.000015	0.000056
Calcium	mg/L	0.02					30.6	31.0	36.0	41.6	106.0	89.3	47.2	41.0
Chromium	mg/L	0.001	[f]	0.064			<	0.002	<	0.003	<	0.026	<	0.002
Cobalt	mg/L	0.0001	0.0009				0.0003	0.0005	0.0002	0.0011	0.0003	0.0123	0.0003	0.0006
Copper	mg/L	0.0001	0.005 ^[g]	0.0069			0.0024	0.0077	0.0026	0.007	0.0011	0.0193	0.0013	0.0065
Iron	mg/L	0.005	0.3	1,000			0.548	0.897	0.389	1.770	0.191	24.8	0.451	1.350
Lead	mg/L	0.00002	0.025 ^[h]	0.002			0.00024	0.00053	0.00015	0.00072	0.00012	0.0125	0.00019	0.00051
Magnesium	mg/L	0.02					11.1	11.3	13.2	15.9	42.2	39.4	20.7	17.6
Manganese	mg/L	0.001					0.015	0.026	0.012	0.107	0.106	7.25	0.014	0.025
Nickel	mg/L	0.01	0.025				<	<	<	<	<	0.03	<	<
Potassium	mg/L	0.1					3.5	4.4	2.5	3.3	4.2	8.2	0.7	1.8
Silicon	mg/L	0.01					2.89	4.11	2.60	4.99	4.93	22.10	7.97	5.00
Silver	mg/L	0.0001	0.0001				<	<	<	<	<	<	<	<
Sodium	mg/L	0.2					6.8	5.8	7.2	7.9	36.3	30.7	6.2	8.6
Uranium	mg/L	0.00005	0.005				0.00190	0.00125	0.00176	0.00171	0.00449	0.00405	0.00163	0.00212
Vanadium	mg/L	0.0001	0.006				-	0.0037	-	0.0047	-	0.0343	-	0.0048
Zinc	mg/L	0.005	0.02	0.089	0.030		0.007	0.014	0.007	0.014	0.006	0.166	0.007	0.013
pH (field)	pH Units	-	6.5-8.5	6.0-9.0			7.77	8.68	6.72	7.60	7.00	8.42	7.91	8.23
Temperature (field)	°C	-					12.27	15.51	5.80	9.68	9.48	26.60	7.90	10.96
Dissolved Oxygen (field)	mg/L	-	[i]				16.40	10.94	12.74	1.70	12.32	5.49	9.42	0.00
Conductivity (field)	mS/cm	-					0.274	0.288	0.291	0.332	0.859	0.672	0.368	0.344
Ammonia, Unionized (Field) ^[j]	mg/L	0.001	0.02	0.100			<	0.004	<	<	<	0.003	<	0.001

Data Input: SG
Data Check: JMP

Shading indicates parameters exceeding guideline criteria

denotes concentration exceeds the 1994 PWQO (as updated in 1999)
denotes concentration exceeds Table A: Assessment Criteria for Waste Disposal Sites (Source Aquatic Protection Values), from the Monitoring and Reporting for Waste Disposal Sites Groundwater and Surface Water Technical Guidance Document (2010)
denotes concentration exceeds Table B: Alternative Review Criteria (Source Canadian Water Quality Guideline), from the Monitoring and Reporting for Waste Disposal Sites Groundwater and Surface Water Technical Guidance Document (2010)

Notes: "-" denotes not analyzed

"RL" denotes reporting limit

"<" denotes result below reporting limit

"SW ###" denotes surface water station ID

"<R" denotes sample exceeds reportable limit

[1] Un-ionized Ammonia calculated using field parameters for pH and temperature

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

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

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

[d] Beryllium criteria: <75 mg/L Hardness = 0.011 mg/L, >75 mg/L Hardness = 1.1 mg/L

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

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

[g] Copper criteria: <20 mg/L Hardness = 0.001 mg/L, >20 mg/L Hardness = 0.005 mg/L

[h] Lead criteria: <20 mg/L Hardness = 0.005 mg/L, 20 to 40 mg/L Hardness = 0.020 mg/L, 40 to 80 mg/L Hardness = 0.020 mg/L, >80 mg/L Hardness = 0.025 mg/L

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

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

Malroz was not able to independently validate historic chemistry and exceedances, provided by the Township of Leeds and the Thousand Islands

Appendix C
Amended ECA No. A441703

Groundwater and Surface Monitoring Program

Program	A - Groundwater		B - Surface Water	
Frequency	spring and fall VOCs at OW14 and BW1 - every 2 years (2020, 2022, etc.)		spring and fall	
Locations	OW3, OW5, OW8R1, OW11R1, OW12, OW13, OW14, BW1, BW2, BW3, BW4 OW4 and OW7 (monitoring only)		SW4, SW5, HBO, HBI	
Standards/ Reference Criteria	ODWS		PWQO	
Laboratory Parameters (mg/L)	Alkalinity N - Ammonia BOD COD DOC Conductivity Hardness pH Phenols Phosphorus (total) TDS TSS N - Total Kjeldahl Chloride N - Nitrate N - Nitrite Sulphate Mercury Aluminum Antimony Arsenic Barium Beryllium Boron	Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Molybdenum Nickel Potassium Selenium Silicon Silver Sodium Strontium Thallium Tin Titanium Tungsten Uranium Vanadium Zinc	Alkalinity N - Ammonia BOD COD DOC Conductivity Hardness pH Phenols Phosphorus (total) Phosphorus, dissolved TDS TSS N - Total Kjeldahl Chloride N - Nitrate N - Nitrite Sulphate Mercury, dissolved Aluminum, dissolved Arsenic Barium Boron Cadmium	Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Nickel Potassium Silicon Silver Sodium Uranium Zinc
VOCs	Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon Tetrachloride Chlorobenzene Chloroethane Chloroform Chloromethane Dibromochloromethane Dichlorodifluoromethane Ethylene dibromide 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethylene cis-1,2-Dichloroethylene trans-1,2-Dichloroethylene 1,2-Dichloroethylene, total 1,2-Dichloropropane cis-1,3-Dichloropropylene	trans-1,3-Dichloropropylene 1,3-Dichloropropene, total Ethylbenzene Hexane Methyl Ethyl Ketone Methyl Butyl Ketone Methyl Isobutyl Ketone Methyl tert-butyl ether Methylene Chloride Styrene 1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane Tetrachloroethylene Toluene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene Trichlorofluoromethane 1,3,5-Trimethylbenzene Vinyl Chloride m/p-Xylene o-Xylene Xylenes, total		
Field	pH Temperature Dissolved Oxygen Conductivity	N-NH3 unionized (Calc)	pH Temperature Dissolved Oxygen Conductivity	N-NH3 unionized (Calc)

Data Input: JMP
Data Checked: SG

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER A441703

Issue Date: February 13, 2021

The Corporation of the Township of Leeds and the Thousand Islands
1233 Prince St Lansdowne
Leeds and the Thousand Islands, Ontario
K0E 1L0

Site Location: Ward 3 (Escott) LFS
227 Escott-Rockport Road, Lots 9&10, BF Concession
Leeds and the Thousand Islands Township, United Counties of Leeds and Grenville
K0E 1R0

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 1.0 hectare waste disposal/transfer site within a total site area of 15.1 hectares.

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

“Approval” means this Environmental Compliance Approval and any Schedules to it;

“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 the *Environmental Protection Act*, R.S.O. 1990, c.E.19, as amended;

"Ministry" means the ministry of the government of Ontario responsible for the EPA and OWRA and includes all officials, employees or other persons acting on its behalf;

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

“O. Reg. 101/94” means Ontario Regulation 101: (Recycling and Composting of Municipal Waste), made under the EPA, as amended;

“O. Reg. 232/98” means Ontario Regulation 232/98: (Landfilling Sites), made under the EPA, as amended;

"O. Reg. 463/10" means Ontario Regulation 463/10 (Ozone Depleting Substances and Other Halocarbons), made under the EPA, as amended;

“Ontario Drinking Water Quality Standards” means Ontario Regulation 169/03 (Ontario Drinking Water Quality Standards), made under the SDWA, 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;

“Regional Director” means the Regional Director of the local Regional Office of the Ministry in which the Site is located;

“Reg. 347” means R.R.O. 1990, Reg. 347: (General - Waste Management), made under the EPA, as amended;

“Reg. 903” means R.R.O. 1990, Reg. 903: (Wells), made under the OWRA, as amended;

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

"Schedules" means the following schedules attached to this Approval and forming part of this Approval namely:

- o Schedule 1 - Supporting Documentation;
- o Schedule 2 - Surface Water Monitoring Program; and
- o Schedule 3 - Groundwater Monitoring Program;

“Site” means the entire waste disposal site, including the buffer lands, and contaminant attenuation zone at Ward 3 (Escott) LFS, 227 Escott-Rockport Road, Lots 9&10, BF Concession, Leeds and the

Thousand Islands Township, United Counties of Leeds and Grenville;

“Trained Personnel” means personnel knowledgeable in the following through instruction and/or practice:

- o relevant waste management legislation, regulations and guidelines;
- o major environmental concerns pertaining to the waste to be handled;
- o occupational health and safety concerns pertaining to the processes and wastes to be handled;
- o management procedures including the use and operation of equipment for the processes and wastes to be handled;
- o emergency response procedures;
- o specific written procedures for the control of nuisance conditions;
- o specific written procedures for refusal of unacceptable waste loads; and
- o the requirements of this Approval; and

"White Goods" means household appliances which use, or may use refrigerants, and which include, but is not limited to, refrigerators, freezers and air-conditioning systems.

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 1.

Interpretation

4. Where there is a conflict between a provision of any document listed in Schedule 1 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 1, 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 1, the document bearing the most recent date shall take precedence.
7. The conditions of this Approval are severable. If any condition of this Approval, or the application of any condition of this Approval to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this Approval shall not be affected thereby.

Other Legal Obligations

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

Adverse Effect

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

Change of Ownership

11. The Owner shall notify the Director, in writing, and forward a copy of the notification to the District Manager, within 30 days of the occurrence of any changes in the following information:
 - a. the ownership of the Site;
 - b. the Operator of the Site;
 - c. the address of the Owner or Operator; and
 - d. the partners, where the Owner or Operator is or at any time becomes a partnership

and a copy of the most recent declaration filed under the Business Names Act, R. S. O. 1990, c. B.17, shall be included in the notification.

12. No portion of this Site shall be transferred or encumbered prior to or after closing of the Site unless the Director is notified in advance and sufficient financial assurance is deposited with the Ministry to ensure that these conditions will be carried out.
13. In the event of any change in ownership of the Site, other than change to a successor municipality, the Owner shall notify the successor of and provide the successor with a copy of this Approval, and the Owner shall provide a copy of the notification to the District Manager and the Director.

Registration on Title Requirement

14. Prior to dealing with the property in any way, the Owner shall provide a copy of this Approval and any amendments, to any person who will acquire an interest in the property as a result of the dealing.
15.
 - a. Within sixty (60) calendar days from the date of issuance of this Approval, the Owner shall submit to the Director a completed Certificate of Requirement which shall include:
 - i. a plan of survey prepared, signed and sealed by an Ontario Land Surveyor, which shows the area of the Site where waste has been or is to be deposited at the Site;
 - ii. proof of ownership of the Site;
 - iii. a letter signed by a member of the Law Society of Upper Canada or other qualified legal practitioner acceptable to the Director, verifying the legal description provided in the Certificate of Requirement;
 - iv. the legal abstract of the property; and
 - v. any supporting documents including a registerable description of the Site.
 - b. Within fifteen (15) calendar days of receiving a Certificate of Requirement authorized by the Director, the Owner shall:
 - i. register the Certificate of Requirement in the appropriate Land Registry Office on the title to the property; and
 - ii. submit to the Director and the District Manager, written verification that the Certificate of Requirement has been registered on title.

Inspections by the Ministry

16. No person shall hinder or obstruct a Provincial Officer from carrying out any and all inspections authorized by the OWRA, the EPA, the PA, the SDWA or the NMA, of any place to which this Approval relates, and without limiting the foregoing:
 - a. to enter upon the premises where the approved works are located, or the location where the records required by the conditions of this Approval are kept;

- b. to have access to, inspect, and copy any records required to be kept by the conditions of this Approval;
- c. to inspect the Site, related equipment and appurtenances;
- d. to inspect the practices, procedures, or operations required by the conditions of this Approval; and
- e. to sample and monitor for the purposes of assessing compliance with the terms and conditions of this Approval or the EPA, the OWRA, the PA, the SDWA or the NMA.

Information and Record Retention

- 17.
 - a. Except as authorized in writing by the Director, all records required by this Approval shall be retained at the Site at the Site, or within the Owner's offices where otherwise practical, for a minimum of two (2) years from their date of creation.
 - b. The Owner shall retain all documentation listed in Schedule 1 for as long as this Approval is valid.
 - c. All monthly summary reports of waste records collected are to be kept at the Site at the Site, or within the Owner's offices where otherwise practical until they are included in the Annual Report.
 - d. The Owner shall retain employee training records as long as the employee is working at the Site.
 - e. The Owner shall make all of the above documents available for inspection upon request of Ministry staff.
- 18. The receipt of any information by the Ministry or the failure of the Ministry to prosecute any person or to require any person to take any action under this Approval or under any statute, regulation or other legal requirement, in relation to the information, shall not be construed as:
 - a. an approval, waiver, or justification by the Ministry of any act or omission of any person that contravenes any term or condition of this Approval or any statute, regulation or other legal requirement; or
 - b. acceptance by the Ministry of the information's completeness or accuracy.
- 19. The Owner shall ensure that a copy of this Approval, in its entirety and including all its Notices of Amendment, and documentation listed in Schedule 1, are retained at the Site at all times.
- 20. Any information related to this Approval and contained in Ministry files may be made available to the public in accordance with the provisions of the Freedom of Information and Protection of Privacy Act, RSO 1990, CF-31.

2. SITE OPERATION

Operation

1. The Site shall be operated and maintained at all times including management and disposal of all waste, in accordance with the EPA, Reg. 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. The Owner shall install and maintain a sign at the entrance to the Site. The sign shall be visible and readable from the main road leading to the Site. The following information shall be included on the sign:
 - a. the name of the Site and Owner;
 - b. the number of the Approval;
 - c. the name of the Operator;
 - d. the normal hours of operation;
 - e. the allowable and prohibited waste types;
 - f. the telephone number to which complaints may be directed;
 - g. a warning against unauthorized access;
 - h. a twenty-four (24) hour emergency telephone number (if different from above); and
 - i. a warning against dumping outside the Site.
3. The Owner shall install and maintain signs to direct vehicles to working face/waste bins and recycling bins/areas.
4. The Owner shall provide signs at recycling depot informing users what materials are acceptable and directing users to appropriate storage areas.

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

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

Burning Waste Prohibited

6.
 - a. Burning of waste at the Site is prohibited.
 - b. Notwithstanding condition 2.6.a. above, burning of segregated, clean wood and brush at the landfill may be carried out in strict compliance with the Ministry of

the Environment Document titled "Guideline C-7, Burning at Landfill Sites" dated April 1994.

Site Access

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

Site Security

10. No waste shall be received, landfilled or removed from the Site unless a site supervisor or an attendant is present and supervises the operations during operating hours. The Site shall be closed when a site attendant is not present to supervise landfilling operations.
11. The Site shall be operated and maintained in a safe and secure manner. During non-operating hours, the Site entrance and exit gates shall be locked and the Site shall be secured against access by unauthorized persons.
12. Temporary berms and ditches shall be constructed around the active waste disposal area, as necessary, to prevent extraneous surface water from contacting the active working face.

Visual Screening

13. The Owner shall maintain adequate screening of the waste disposal activities undertaken at the Site from the traffic on Escott Road and the surrounding properties.

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 Reg. 347.
4. All equipment and materials required to handle the emergency situations shall be:
 - a. kept on hand at all times that waste landfilling and/or handling is undertaken at the Site; and
 - b. adequately maintained and kept in good repair.
5. The Owner shall ensure that the emergency response personnel are familiar with the use of such equipment and its location(s).

6. INSPECTIONS, RECORD KEEPING AND REPORTING

Inspections

1. The Owner shall ensure that Site inspections are undertaken by Trained Personnel.
2. The areas to be inspected shall include, but not be limited to the following:
 - a. condition of the active disposal areas, the recyclable bins, the tire pile, the white goods pile and the scrap metal pile;
 - b. condition of the surface water drainage works;
 - c. presence of any ponded water at the Site;
 - d. condition of the on-site roads for evidence of excessive erosion and fugitive dust emissions;
 - e. presence of litter at the Site's perimeter and litter fences;
 - f. condition of the intermediate cover and of the final cover;
 - g. presence of birds, vector, vermin and animals;
 - h. condition of the on-site facilities, the fence, the gate and its lock and the signs required by this Certificate;
 - i. condition of the groundwater monitoring wells required for the groundwater monitoring program approved by this Certificate;
 - j. amount of the cover material to ensure that sufficient daily cover is available at all times that the Site is in operation; and
 - k. presence of leachate springs.

Daily Log Book

3. A log shall be maintained in written or electronic format and shall include the following information:
 - a. the type, date and time of arrival, hauler, and quantity (tonnes, number of bags, and/or number of loads and corresponding volumes) of all waste and cover material received at the Site;
 - b. the area of the Site in which waste disposal operations are taking place;
 - c. a record of litter collection activities and the application of any dust suppressants;
 - d. a record of inspections; and
 - e. 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.
4. Any information requested, by the Director or a Provincial Officer, concerning the Site and its operation under this Approval, including but not limited to any records required to be kept by this Approval shall be provided to the Ministry, upon request.

Daily Inspections and Log Book

5. An inspection of the entire Site and all equipment on the Site shall be conducted each day

the Site is in operation to ensure that: the Site is secure; that the operation of the Site is not causing any nuisances; that the operation of the Site is not causing any adverse effects on the environment and that the Site is being operated in compliance with this Approval. Any deficiencies discovered as a result of the inspection shall be remedied immediately, including temporarily ceasing operations at the Site if needed.

6. A record of the inspections shall be kept in a log book that includes:
 - a. the name and signature of person that conducted the inspection;
 - b. the date and time of the inspection;
 - c. the list of any deficiencies discovered;
 - d. the recommendations for remedial action; and
 - e. the date, time and description of actions taken.
7. A record shall be kept in the log book of all refusals of waste shipments, the reason(s) for refusal, and the origin of the waste, if known.

Annual Report

8. The Owner shall prepare and submit an Annual Report to the District Manager by March 30 of the year following the calendar year covered by the report which shall include at a minimum, the following:
 - a. calculations of the volume of waste landfilled, the daily and interim covers, the final cover and the overall volume of the Site capacity used during the reporting period;
 - b. a comparison of the actual capacity used to the estimates of the capacity estimated;
 - c. an estimate of the remaining Site life;
 - d. updated drawing to show the proposed final contours of the finished waste mound;
 - e. amount of the recyclable materials, metals, white goods and tires transferred off-site for further processing;
 - f. any changes in operations, equipment, or procedures used at the Site, any operating problems encountered and corrective actions taken;
 - g. details on the monitoring program undertaken, outlining monitor locations, analytical parameters sampled, and frequency of sampling;
 - h. all current and historical groundwater and surface water data in a tabular format;
 - i. an analysis and interpretation of the surface water and groundwater monitoring data, a review of the adequacy of the monitoring program, conclusions of the monitoring data, and recommendations for any changes that may be necessary;
 - j. summary of inspections undertaken at the Site;
 - k. summary of any public complaints received and the responses made;
 - l. a discussion of cover stockpile activities including use, timing, locations and erosion protection;
 - m. status update on the final cover placement, and seeding activities undertaken in

- the closed sections of the landfill;
- n. updated drawing to show the proposed final contours of the finished waste mound;
- o. a statement as to compliance with all conditions of this Certificate and the other relevant Ministry's groundwater and surface water requirements;
- p. recommendations respecting any proposed changes in the operation of the Site; and
- q. any other information that the Regional Director or the District Manager may require.

7. LANDFILL DESIGN AND DEVELOPMENT

Approved Waste Types

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

Capacity

4. The total waste disposal volume of the Site, including the waste, daily cover and intermediate cover, but excluding final cover, is 40,000 cubic metres. This capacity includes the existing and proposed waste to be landfilled.

Waste Placement

5. No waste shall be placed lower than 0.5 metre below the existing ground or within one (1) metre of highest groundwater level.
6. Disposal of waste shall only occur within the areas as delineated on Drawing No. OP-1, entitled "Operations/Development Plan" dated December 16, 2003.

Service Area

7. a. The approved service area for the Site for receiving waste for disposal at the Site is only **Ward 3, Front of Escott**, of the Township of Leeds and the Thousand

Islands.

- b. Notwithstanding condition 7. a. the Owner may collect and transfer waste (recyclables and waste for disposal at an approved facility) from the municipal boundaries of the Township of Leeds and the Thousand Islands.

Cover

- 8. Daily and interim cover material shall consist of a permeable material and it shall be applied in accordance with Item 4 of Schedule 1. Crushed glass may be mixed with the soil to be used for daily and interim covers.
- 9. Cover material shall be applied as follows:
 - a. **Periodic Cover** - Weather permitting, deposited waste shall be covered **every two weeks** from mid May to Mid September and once a month during the rest of the year, the entire working face shall be covered with a minimum thickness of 150 mm of daily cover 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 low permeability (less than 1×10^{-7} m/s) and 150 millimetres of top soil (vegetative cover) shall be placed.
 - d. The frequency of application and the cover thickness in subsections a and b above are minimum requirements, and may have to be increased if environmental adverse effects have been found to occur.
- 10. Installation of the Bell Mobility Tower at the location shown in the Drawing Number SP2 titled "Site Plan", dated March 16, 2010 and prepared by The Greer Galloway Group Inc. is hereby approved.

8. LANDFILL MONITORING

Landfill Gas

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

Compliance

2. The Site shall be operated in such a way as to ensure compliance with the following:
 - a. Reasonable Use Guideline B-7 for the protection of the groundwater at the Site;
 - 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; and
 - c. Ontario Drinking Water Quality Standards.

Surface Water and Groundwater

3. The Owner shall monitor surface water and groundwater in accordance with the monitoring programs outlined in Schedules 2 and 3.
4. A certified Professional Geoscientist or Engineer possessing appropriate hydrogeologic training and experience shall execute or directly supervise the execution of the groundwater monitoring and reporting program.

Groundwater Wells and Monitors

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

Trigger Mechanisms and Contingency Plans

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

Changes to the Monitoring Programs, Trigger Mechanisms and Contingency Plans

12. The Owner may request to make changes to the monitoring program(s), trigger mechanisms and/or 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.
13. Within fourteen (14) days of receiving the written correspondence from the District Manager confirming that the District Manager is in agreement with the proposed changes to the environmental monitoring program, trigger mechanisms and/or contingency plans,

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 Director requesting the Approval be amended to approve the proposed changes to the environmental monitoring plan prior to implementation.

9. CLOSURE PLAN

1. Operations, Closure and Transfer Station Plans dated February 27, 2020 (Item 8 in Schedule 1) is hereby approved.
2. The Site shall be closed in accordance with the closure plan as approved by the Director.

10. WASTE DIVERSION AND WASTE TRANSFER FOR DISPOSAL

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/Operator shall remove the refrigerant as defined in O. Reg. 463/10 in accordance with the following:
 - a. all White Goods containing refrigerants which have not been tagged by a licensed technician to verify that the equipment no longer contains refrigerants, shall be stored in a separate area in an upright position; and
 - b. White Goods containing refrigerants received at the Site shall be shipped off-Site in order to have the refrigerants removed by a licensed technician in accordance with O. Reg. 463/10; or
 - c. the refrigerant shall be removed at the Site by a licensed technician, in accordance with O. Reg. 463/10, prior to shipping White Goods off-Site; and
 - d. a detailed log of all White Goods containing refrigerants received shall be maintained. The log shall include the following:
 - i. date of the record;
 - ii. types, quantities and source of White Goods containing refrigerants received;
 - iii. details on removal of refrigerants as required by O. Reg. 463/10; and
 - iv. the quantities and destination of the White Goods and/or refrigerants transferred from the Site.

3. The Owner shall transfer waste and recyclable materials from the Site as follows:
- a. Waste collected for transfer to a approved waste disposal site shall be transferred at a minimum every 14 days.
 - b. recyclable materials shall be transferred off-site once their storage bins are full;
 - c. scrap metal shall be transferred off-site at least twice a year;
 - d. 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; and
 - e. immediately, in the event that waste is creating an odour, vermin or vector problem.

Schedule 1

1. Application for a Certificate of Approval for a Waste Disposal Site, signed by Paula A. Formanek, Trow Associates Inc., and dated February 19, 2004, and the supporting documentation prepared by Trow Associates Inc. consisting of the following documents:
 - (a) Report entitled "Ward 3 (Escott) Waste Disposal Site A441073 Proposed Expansion", dated February 18, 2004, prepared by Trow Associates Inc., excluding Section 5.16, entitled "Triggering Mechanisms and Contingency Measures - Leachate Migration" and excluding Section 5.6, entitled "Final Grading, Cover Systems and Source of Materials"
 - (b) Drawing No. SP-1, entitled "Site Plan" dated December 16, 2003
 - (c) Drawing No. EC-1, entitled "Existing Conditions" dated December 16, 2003
 - (d) Drawing No. OP-1, entitled "Operations/Development Plan" dated December 16, 2003
 - (e) Drawing No. PFC-1, entitled "Proposed Pre-Aerial Fill Contours" dated June 21, 2004
 - (f) Drawing No. SECT-1, entitled "Cross Sections" dated December 16, 2003
2. Letter dated January 29, 2004 from John Trudgen, Clerk-Administrator, The Township of Leeds and the Thousand Islands, to Director, Environmental Assessment and Approvals Branch, Ministry of Environment, providing the authorization for Trow Associates Inc. to act as the Township's agent.
3. Letter dated June 22, 2004 from Paula A. Formanek, Trow Associates Inc., to Margaret Wojcik, Ministry of Environment, providing the following additional information:
 - permeability of the daily and interim cover
 - permeability of the final cover over the existing trenches
 - frequency of the daily cover application
 - description of the alternative daily/interim cover
 - specifications relating to burning of clean wood waste
 - clarification of the existing capacity of the waste landfilled to-date
 - details of the public consultation
4. Letter dated July 14, 2004 from Paula A. Formanek, Trow Associates Inc., to Margaret Wojcik, Ministry of Environment, providing the following additional information:
 - timing of the final cover application
 - procedures for compaction of waste and placement of daily cover
 - days and hours of operation of the waste disposal site
 - agreement to 300 mm interim cover thickness
 - frequency of daily cover application during winter months
 - proposal for ensuring hydraulic conductivity continuity between the existing and the new

waste

-minimum slope for top of the waste mound

-further clarification related to the existing capacity of the waste landfilled to-date

5. Letter dated September 28, 2004 from Paula A. Formanek, Trow Associates Inc., to Margaret Wojcik, Ministry of Environment, providing the following additional information:
 - confirmation of the daily cover application frequency
 - confirmation of the site area
6. Application for a Certificate of Approval for a Waste Disposal Site dated March 10, 2010 and signed by Vanessa Latimer, Clerk, The Corporation of the Township of Leeds and the Thousand Islands including supporting information submitted with the application.
7. Environmental Compliance Approval Application dated February 7, 2020 and signed by Adam Goheen, Director of Operations, The Corporation of the Township of Leeds and the Thousand Islands, including the attached supporting documentation.
8. Report titled "Operations, Closure and Transfer Station Plans for the Escott Waste Disposal Site" prepared by Malroz Engineering for The Corporation of the Township of Leeds and the Thousand Islands.

Schedule 2
Surface Water Monitoring Program

Location	Task	Frequency	Analytical Parameters
SW4, SW5, HBO, and HBI	-Monitor groundwater elevations -Collect surface water samples -Monitor water quality (field parameters)	Spring and Fall	<u>Lab Parameters</u> alkalinity, ammonia, BOD, COD, DOC, conductivity, hardness, pH phenols, phosphorous (total), phosphorous (dissolved), TDS, TSS, TKN, chloride, nitrate, nitrite, sulphate, mercury (dissolved), aluminum (dissolved), arsenic, barium, boron, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, nickel, potassium, silicon, silver, sodium, uranium, zinc. <u>Field Parameters</u> pH, temperature, conductivity, dissolved oxygen, turbidity, flow, unionized ammonia (calc)

Schedule 3
Groundwater Monitoring Program

Location	Task	Frequency	Analytical Parameters
OW3, OW5, OW8R1, OW11R1, OW12, OW13, OW14, BW1, BW2, BW3, BW4, MW101, MW102, MW103, and MW104.	-Monitor groundwater elevations -Collect groundwater samples -Monitor water quality (field parameters)	Spring and Fall	<u>Lab Parameters</u> alkalinity, ammonia, BOD, COD, DOC, conductivity, hardness, pH phenols, phosphorous (total), TDS, TSS, TKN, chloride, Nitrate, Nitrite, sulphate, mercury, aluminum, antimony, arsenic, barium, beryllium, boron, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, potassium, selenium, silicon, sodium, strontium, thallium, tin, titanium, tungsten, uranium, vanadium, zinc. <u>Field Parameters</u> pH, ORP, temperature, dissolved oxygen, conductivity, turbidity, unionized ammonia (calc)
OW14 and BW1		Spring and Fall (every two years - 2022, 2024, 2026..)	acetone, trans-1,3-dichloropropylene, benzene, 1,3-dichloropropene (total), bromodichloromethane, ethylbenzene, bromoform, hexane, bromomethane, Methyl ethyl ketone, Carbon tetrachloride, methyl butyl ketone, 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, 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, o-xylene, xylenes (total), 1,2-dichloroethylene (total), 1,2-dichloropropane, cis-1,3-dichloropropylene

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

GENERAL

- The reason for conditions 1.1, 1.2, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 1.10, 1.17, 1.18 and 1.19 is to clarify the legal rights and responsibilities of the Owner and Operator under this Approval.
- The reasons for condition 1.3 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 conditions 1.14 and 1.15 are that the Part II.1 Director is an individual with authority pursuant to Section 197 of the Environmental Protection Act to require registration on title and provide any person with an interest in property before dealing with the property in any way to give a copy of the Approval to any person who will acquire an interest in the property as a result of the dealing.
- The reason for condition 1.16 is to ensure that appropriate Ministry staff has ready access to the Site for inspection of facilities, equipment, practices and operations required by the conditions in this Approval. This condition is supplementary to the powers of entry afforded a Provincial Officer pursuant to the Act, the OWRA, the PA, the NMA and the SDWA.
- Condition 1.20 has been included in order to clarify what information may be subject to the Freedom of Information Act.

SITE OPERATION

- The reasons for conditions 2.1, 2.5, 2.12 and 6.5 are to ensure that the Site is operated, inspected and maintained in an environmentally acceptable manner and does not result in a hazard or nuisance to the natural environment or any person.
- The reason for conditions 2.2, 2.3 and 2.4 is to ensure that users of the Site are fully aware of important information and restrictions related to Site operations and access under this Approval.

- The reasons for condition 2.6.a and 2.6.b are open burning of municipal waste is unacceptable because of concerns with air emissions, smoke and other nuisance effects, and the potential fire hazard and to make sure burning of brush and wood are carried out in accordance with Ministry guidelines.
- The reasons for condition 2.7, 2.8 and 2.9 are to specify the hours of operation for the landfill site and a mechanism for amendment of the hours of operation, as required.
- The reasons for condition 2.10 and 2.11 are to ensure that the Site is supervised by properly trained staff in a manner which does not result in a hazard or nuisance to the natural environment or any person and to ensure the controlled access and integrity of the Site by preventing unauthorized access when the Site is closed and no site attendant is on duty.

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

- Condition 6.1 and 6.2 are included to ensure that regular inspections are conducted at the Site, to verify that the Site is operated in accordance to this Certificate and in a manner that would not result in a hazard or nuisance to the natural environment or any persons.
- The reason for conditions 6.3 and 6.4 is to ensure that accurate waste records are maintained to ensure compliance with the conditions in this Approval (such as fill rate, site capacity, record keeping, annual reporting, and financial assurance requirements), the EPA and its regulations.
- The reason for conditions 6.6 and 6.7 is to ensure that detailed records of Site inspections are

recorded and maintained for inspection and information purposes.

- The reasons for condition 6.8 are to ensure that regular review of site development, operations and monitoring data is documented and any possible improvements to site design, operations or monitoring programs are identified. An annual report is an important tool used in reviewing site activities and for determining the effectiveness of site design.

LANDFILL DESIGN AND DEVELOPMENT

- The reason for conditions 7.1 to 7.4 inclusive and 7.7 inclusive is to specify the approved areas from which waste may be accepted at the Site and the types and amounts of waste that may be accepted for disposal at the Site, based on the Owner's application and supporting documentation.
- Conditions 7.5 and 7.6 are included to specify restrictions on the extent of landfilling at this Site based on the Owner's application and supporting documentation. These limits define the approved volumetric capacity of the Site. Condition 7.5 is also included to specify restrictions on the extent of landfilling within the fill area to maintain a vertical separation between the groundwater table and the waste.
- Condition 7.8 is included to specify the requirement of daily or interim cover applications to control potential nuisance effects, to facilitate vehicle access on the Site and to ensure an acceptable Site appearance.
- The reasons for condition 7.9 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.
- Condition 7.10 is included to provide minimum requirements for the geosynthetic clay final cover if the Owner proposes to use geosynthetic clay for the final cover.
- The reason for the condition 7.10 is to approve the installation of the Bell Mobility Tower within the landfill property.

LANDFILL MONITORING

- Reasons for condition 8.1 are to ensure that landfill gas is monitored and all buildings at the Site are free of any landfill gas accumulation, which due to a methane gas component may be explosive and thus create a danger to any persons at the Site.
- Condition 8.2 is included to provide the groundwater and surface water limits to prevent water pollution at the Site.

- Conditions 8.3 and 8.4 are included to require the Owner to demonstrate that the Site is performing as designed and the impacts on the natural environment are acceptable. Regular monitoring allows for the analysis of trends over time and ensures that there is an early warning of potential problems so that any necessary remedial/contingency action can be taken.
- Conditions 8.5, 8.6 and 8.7 are included to ensure the integrity of the groundwater monitoring network so that accurate monitoring results are achieved, and the natural environment is protected.
- Conditions 8.8 to 8.11 inclusive are added to ensure the Owner has a plan with an organized set of procedures for identifying and responding to potential issues relating to groundwater and surface water contamination at the Site's compliance point.
- Conditions 8.12 and 8.13 are included to streamline the approval of the changes to the monitoring plans and trigger mechanisms and contingency plans.

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 approve the collection and transfer of waste and the recyclable materials. They are stored in their temporary storage location and transferred off-site in a manner as to minimize a likelihood of an adverse effect or a hazard to the natural environment or any person.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). A441703 issued on October 4, 2004 as amended.

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:

- a. 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;
- b. 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:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. 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, Conservation and Parks
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**

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

DATED AT TORONTO this 13th day of February, 2021



Mohsen Keyvani, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

RM/

c: District Manager, MECP Kingston - District
John Pyke P. Geo. and Albert Paschkowiak, Malroz Engineering

Appendix D

Site Photos



1. SW-5
April-2022



2. SW-4
April-2022



3. View of the sign at front gate.
April-2022



4. MW102
April-2022



5. BW2
October-2022



6. OW12
October-2022



7. MW102 and MW103
October-2022



8. OW3
October-2022



9. HBI
April-2022



10. HBO
November-2022



11. OW11-R1 and BW4 re-install
November-2022



12. Newly installed MW105 (Left) and
MW106 (Right)
November-2022



13. Results of work undertaken by the Township to reclaim capacity.

Appendix E

Ministry Correspondence

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

**Ministère de l'Environnement,
de la Protection de la nature
et des Parcs**
Région de l'Est
1259, rue Gardiners, unité 3
Kingston (Ontario) K7P 3J6
Tél: 613 549-4000
ou 1 800 267-0974



MEMORANDUM

August 30, 2022

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

FROM: Obai Mohammed
Hydrogeologist
Technical Support Section
Eastern Region

RE: 2021 Annual Monitoring Report – Escott Waste Disposal Site
Part of Lots 8, 9, and 10 Broken Front Concession
Township of Leeds and Thousand Islands
Certificate of Approval (CofA) Number A441703

Purpose

I have reviewed the hydrogeological aspects of the document entitled “2021 Annual Monitoring Report Escott Waste Disposal Site (A441703)”, Prepared by Malroz Engineering Inc. (Malroz), for The Corporation of the Township of Leeds and thousand Islands. The purpose of my review is to discuss the monitoring results, evaluate the delineation of the leachate plume extents, and the proposed acquisition of the contaminant attenuation zone (CAZ) lands.

Environmental Compliance Approval

The Escott Waste Disposal Site (the site) is an active waste disposal site operating under Environmental Compliance Approval (ECA) Number A441703, issued on October 4, 2020, and amended on February 13, 2021, by the Ministry of Environment, Conservation, and Parks (MECP). The site is owned operated by The Corporation of the Township of Leeds and the Thousand Islands.

The site has an approved waste volume of 40,000 m³ and is actively accepting solid non-hazardous waste materials, recycling materials, white goods, and metals only for bulking and subsequent transfer offsite. It is understood that liquid industrial or hazardous wastes are not accepted at the site. It is also understood that tires are not accepted at the site, and thus, users are directed to the Lansdowne waste disposal site (WDS), in which the tires are recycled. Any tires dumped at the gates of the site are stockpiled and subsequently shipped to the Lansdowne WDS for recycling. The remaining capacity of the site is reported to be approximately 1,804 m³. The site does not comprise engineered systems and thus operates as a natural attenuation landfill.

Site Description

The site is located on part of Lots 8, 9, 10, Broken Front Concession, in the Township of Leeds and the Thousand Islands, former Township of Front of Escott. The site is located approximately 0.5 km north of Highway 401 and approximately 2.3 km northwest of the St. Lawrence River. Access to the site is through Escott Rockport Road County Road 2 or the Thousand Islands Parkway.

The site plan shown in Figure 1, included in the report provided, indicates that the site is primarily surrounded by forest/forested lands. Low-lying areas are reported adjacent to the northwest and southeast of the waste mound. A pond is noted to be present during high precipitation periods, in the south portion of the site, while turning into a dry area, in addition to a small stream flowing towards the south stream turning dry as well during periods of low precipitation. An agricultural field is located north of the waste fill area and reportedly draining towards the northeast to discharge at Hickenbottom outlet consequently drains into the wetland feeding La Rue Mills Creek. Two (2) residential properties are reported at about 300 m and 500 m southwest and south from the site, respectively. Malroz noted that there are no known domestic wells downgradient, within 500 m distance from the site.

Geology

The geology of site is described as an overburden of brown, silty clay, silt, and clay, underlain by a greyish sandstone. The bedrock at the site, described to be consisted of Precambrian metasedimentary rocks (Hewitt, 1964), is reported to be considerably folded at the site, dipping northwest by approximately 70 degrees (Hewitt, 1964). The bedrock depth at the site is reportedly ranging between 0.46 and 7.62 metres below ground surface (mbgs), with increased depth to bedrock in the field north of the waste mound. Bedrock outcrops are visible in the southern portion of the site.

Hydrogeology

The hydrogeology at the site is comprised of the overburden and the bedrock aquifers. The vertical gradients between the bedrock and overburden zones are not fully delineated. However, a downward gradient is reported to the southwest of the waste mound suggesting a zone of recharge, and a historical a slight upward gradient is reported to the north of the waste mound indicating discharge towards the ground surface. It is understood that the overburden is not used as a source of potable water or agricultural water in the vicinity of the site. The 2021 monitoring 2021 indicate that the groundwater flow is towards the north-east across a shallow gradient in both the overburden and bedrock zones.

Background Groundwater Quality

The background groundwater quality in the overburden at the site is characterized at monitoring well OW8R1. The background overburden groundwater has been characterized historically by elevated hardness and DOC at concentrations above the Ontario Drinking Water Standards (ODWS). In 2021, I note DOC and hardness concentrations exceeded ODWS as shown in Table 4 included in the report provided.

The background groundwater quality in the bedrock at the site is characterized at monitoring well BW3. The background bedrock groundwater has been characterized historically by elevated hardness and DOC, occasionally exceeded the ODWS. In 2021, hardness exceeded ODWS as shown in Table 5 included in the report provided.

Leachate

Leachate indicator parameters (LIPs) for the site are ammonia, chloride, iron, and manganese. It is understood that this reduced list of LIPs was proposed and adopted back in 2019. Monitor well OW14 is used to characterize leachate within the overburden and monitor well BW1 is used to characterize the leachate within the bedrock at the site.

In 2021, monitoring well OW14 exhibited exceedances to the ODWS in one or both sampling events for alkalinity, DOC, hardness, TDS, aluminum, iron, manganese, and uranium. It is understood that uranium is attributed to the regional geology particularly the Precambrian bedrock rock the Gananoque area (Hamilton, 2015). Elevated concentrations of ammonia, chloride, iron, and manganese were also reported in 2021 at monitoring well BW1 with most of those LIPs reportedly exceeded ODWS criteria.

Malroz noted to a general stabilization or reduction of LIPs over time at the site, except for a historical potential increase trend in iron at both, overburden OW14 and bedrock, BW1, leachate monitoring wells.

Downgradient Groundwater Quality

Overburden monitoring wells

Leachate impacts are evident with exhibited elevated concentrations of ammonia, chloride, iron, and manganese at the overburden monitoring well OW11R1, compared to background conditions, in spring 2021. However, concentrations of LIPs are reported to be decreasing at OW11R1 when compared to the overburden leachate monitor OW14 which suggests that natural attenuation is occurring.

The overburden monitoring wells OW3, MW101, and MW102 exhibited minor leachate impacts in 2021, at concentrations reportedly below those reported for the overburden leachate monitor and the downgradient monitoring well OW11R1.

Concentrations of ammonia, chloride, and manganese at the overburden monitor MW104 indicate minor leachate impacts, reportedly below the ODWS. Elevated iron concentrations are reported in the overburden monitor MW104 when compared to background conditions during spring 2021 sampling event only. However, iron concentrations in the overburden monitor MW102, located between MW104 and the waste mound were reportedly below the detection limit in spring 2021. It is understood that concentrations of iron are variable at monitoring wells MW101, MW104, and OW3, and OW13, indicating seasonal variability.

Overall, concentrations of LIPs at the overburden monitoring wells OW3, MW101, and MW102 indicate that leachate impacts are possibly present, but attenuation is occurring downgradient from the waste mound.

In 2021, ODWS exceedances in the overburden monitoring wells are noted for alkalinity, DOC, hardness, TDS, aluminum, iron, manganese, and uranium. It is understood that these exceedances were also exhibited in the leachate monitor (i.e., OW14) or were related to background conditions (i.e., DOC, hardness), consistent with historical results.

Malroz noted that the evaluation of groundwater analyses indicates that the overburden monitoring well MW102 is a suitable boundary for a CAZ off the northerly end of the landfill. I concur with Malroz on this analysis and conclusion.

Bedrock monitoring wells

Leachate impacts are evident with exhibited elevated concentrations of LIPs detected at the bedrock monitoring well BW4, compared to background conditions. The bedrock monitoring wells BW2 and MW103 exhibited minor leachate impacts in 2021, with lower concentrations at MW103 in comparison to BW4, indicating that attenuation is occurring. Elevated chloride concentration, detected also in the background monitoring well BW3, suggest loading of chloride in 2021 as part of road salt activities. The bedrock monitoring well MW103 has reportedly shown similar groundwater quality to the background bedrock monitor MW3.

Exceedances to the ODWS at one (1) or more bedrock monitoring wells during 2021 included alkalinity, DOC, hardness, TDS, aluminum, iron, manganese, and pH (field), all of which are noted to be aesthetic or operational parameters.

Regulatory Evaluation

Guideline B-7 applies to all operating waste disposal sites and those closed after 1986. Thus, Guideline B-7 applies to Escott waste disposal site.

Malroz has calculated the reasonable use values for LIPs at monitoring wells OW11R1, OW3 and OW12, as well as BW2 and BW4, identified as compliance monitoring wells for overburden and bedrock groundwater, respectively.

The following Guideline B-7 exceedances are reported in 2021:

Parameter	Spring 2021	Fall 2021
Alkalinity	BW4, OW11R1	
DOC	BW4, OW11R1	OW3
Hardness	BW4, OW3, OW11-R1, OW12	OW3, OW12
TDS	BW4, OW11R1	
Aluminum	BW4	
Iron	BW4, OW11-R1	
Manganese	BW4, OW11R1	BW2, OW3
Uranium	BW4, OW11-R1	

I therefore conclude that the site is not in compliance with Guideline B-7. However, and as indicated by Malroz, the absence of domestic wells downgradient, within 500 m of the site indicates that, at this time, the site does not pose a threat to human health. It is understood that further investigation of the groundwater at the site was initiated in 2020.

The newly installed monitoring wells MW101, MW102, and MW103 were sampled in 2021 and the results have shown following Guideline B-7 exceedances:

Parameter	Spring 2021	Fall 2021
Hardness	MW101, MW102, MW103	MW101, MW102, MW103
DOC	MW101, MW102, MW103	MW101
Aluminum	MW103	MW103
Iron	MW103	MW103
Manganese	MW101, MW102, MW103	MW101, MW103
Uranium	MW102, MW103	MW102, MW103

It is understood that CAZ lands acquisition is proposed, and the potential CAZ area is indicated to be in the northerly end of the site, beyond the overburden monitor MW102, as shown in Figure 2 included in the report provided. I concur with the proposed CAZ.

Groundwater – Surface water Interaction

It is understood that groundwater and surface water at the site are possibly interacting, given the downward gradient reported to the southwest of the waste mound and the historical upward gradient reported to the north of the waste mound indicating discharge towards the ground surface. There are three main surface water features at the site and the surroundings:

- A north stream, located approximately 75 m to the northwest of the waste pile, flowing to the northeast.
- Hickenbottom Inlet (HBI), located northeast of the waste fill area, with surface water runoff from the mound reportedly collects in the low-lying areas, flowing to the north towards the Hickenbottom Inlet.
- Hickenbottom Outlet (HBO), located northeast of the site in an agricultural field, reportedly discharging ultimately in La Rue Mills Creek.

An MECP surface water reviewer should be consulted for the potential surface water impacts from the landfill leachate generated at the site, and for the management of surface water features at the site and the surrounding areas.

Volatile Organic Compounds (VOC)

VOC sampling and analyses are conducted at interims of two (2) years period during the spring event. The latest VOC sampling at the leachate monitors BW1 and OW14 was completed in 2020, yet the results were not provided in the 2021 monitoring report, and thus I am not able to comment on VOC at the site at this time. The next VOC sampling round is scheduled to be completed in 2022.

Landfill Gas

Methane concentrations were generally below the instrument detection limits except at monitoring well BW4, reported at less than 1% of the Lower Explosive Limit (LEL) during the spring 2021 sampling event.

The onsite risks associated with landfill gas for this site are beyond the scope of my review. The need for landfill gas monitoring and mitigation should continue to be assessed and discussed in future annual monitoring reports (AMRs).

Trigger Mechanisms and Contingency Plan

The groundwater trigger mechanisms and contingency plans requirements are included in conditions 8 through to 11 under the “Landfill Monitoring” section of the ECA Number A441703 issued for the site. Condition 8 in the aforementioned section of the ECA requires the owner to submit, within one of the issued ECA, details of a trigger mechanisms plan and details of a contingency plan, for the purpose of initiating investigative activities into the cause of increased contaminant concentrations, and for implementing the contingency measures if needed, respectively. There are no groundwater trigger mechanisms and contingency plans for the site included in the monitoring report provided. I recommend including the same in future AMRs.

Groundwater Monitoring Program

The groundwater monitoring program consists of nine (9) overburden monitoring wells (OW3, OW4, OW5, OW7, OW8R1, OW11R1, OW12, OW13, OW14, MW101, MW102, and MW104) and four (4) bedrock wells (BW1, BW2, BW3, BW4, and MW103). The monitoring wells are available at the site to determine the groundwater levels and for collecting groundwater samples for groundwater quality analyses.

Groundwater field measurements include pH, conductivity, temperature, turbidity, unionized ammonia, dissolved oxygen (DO) and oxygen reduction potential (ORP). Groundwater samples collected from the onsite monitors are analysed for: Alkalinity, alkalinity, ammonia, BOD, COD, DOC, conductivity, hardness, pH phenols, phosphorous (total), TDS, TSS, TKN, chloride, Nitrate, Nitrite, sulphate, mercury, aluminum, antimony, arsenic, barium, beryllium, boron, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, potassium, selenium, silicon, sodium, strontium, thallium, tin, titanium, tungsten, uranium, vanadium, zinc, and VOC parameters (at every two-years intervals).

Malroz recommended that groundwater monitoring should be continued on a semi-annual basis in conformance with the ECA Number A441703 issued for the site. Malroz further noted that monitoring wells BW4 and OW11R1 should be repaired, with reinstallation to be considered as applicable. In addition, Malroz noted that further monitoring to the east of the landfill should be considered, if forest and steep topography site conditions do not prove to be obstacles. I concur with Malroz.

Conclusions and Recommendations

- The Escott WDS is a natural attenuation landfill site that currently operates, with the ECA Number A441703 with remaining site capacity of approximately 1,804 m³.
- Reasonable Use Guideline B-7 applies to all operating waste disposal sites and those closed after 1986. The Escott WDS is not in compliance with Guideline B-7.

- CAZ lands acquisition is proposed to be in the northerly end of the site, beyond the overburden monitor MW102. I concur with the proposed CAZ area as shown in Figure 2 included in the report provided.
- The overburden and bedrock groundwater flow at the site is towards the north-east.
- Two (2) residential properties are located at about 300 m and 500 m southwest and south from the site. No domestic wells are reported downgradient within 500 m distance from the site.
- In 2021, hardness and DOC concentrations exceeded ODWS at the overburden background monitoring well OW8R1 consistent with historical results.
- In 2021, hardness exceeded ODWS at the bedrock background monitor BW3, compared to historical elevated hardness and DOC, occasionally exceeding ODWS.
- In 2021, the overburden leachate monitor OW14 exhibited exceedances to ODWS for alkalinity, DOC, hardness, TDS, aluminum, iron, manganese, and uranium. Elevated concentrations of ammonia, chloride, iron, and manganese were also reported at the bedrock leachate monitor BW1, most of which exceeded ODWS.
- In 2021, ODWS exceedances in the overburden downgradient monitors were noted for alkalinity, DOC, hardness, TDS, aluminum, iron, manganese, and uranium. These exceedances were also exhibited in the leachate monitor, consistent with historical results, or attributed to be naturally occurring such as DOC and hardness.
- In 2021, ODWS exceedances at one (1) or more bedrock monitoring wells included alkalinity, DOC, hardness, TDS, aluminum, iron, manganese, and pH (field), all of which are noted to be aesthetic or operational parameters.
- Groundwater – surface water interaction is evident at the site, with downward gradient, southwest of the waste mound, and historical upward gradient, north of the waste mound, indicating possible discharge to the ground surface. An MECP surface water reviewer should be consulted for the potential surface water impacts from the landfill leachate generated at the site, and for the management of surface water features at the site and the surrounding areas.
- VOC sampling is conducted at intervals of every two years. The latest VOC sampling at the leachate monitors BW1 and OW14 was completed in 2020, with no results provided. The next VOC sampling round is scheduled to be completed in 2022.
- Landfill gas currently appears to be of no hazard concerns. Landfill gas should continue to be monitored during the annual sampling events.
- Monitoring wells BW4 and OW11R1 should be repaired as possible, and reinstallation can be considered as applicable.
- Further monitoring to the east of the landfill should be considered, if forest and steep topography site conditions do not prove to be obstacles.

- Groundwater monitoring should continue at the current locations and frequency. The adequacy of the number and location of the monitoring wells should be discussed in future reports, in light of the extent of impacts and concentration of parameters found in groundwater samples and the impacts on the nearby surface water features.

Original to be signed by

Obai Mohammed, Ph.D., P.Eng., PMP
OYM/ob

ec: Christina Klein
Sarah Dick
Victor Castro
Roberto Sacilotto

c: File GW LG LT 01 02 (Escott WDS)
ECHO# 1-112082573

From: [John Pyke](#)
Sent: Tuesday, February 21, 2023 1:56 PM
To: [Jessie Payeur](#)
Subject: FW: Escott WDS - 2021 AMR; GW Comments
Attachments: [fom-nm-2021 AMR-Escott WDS.pdf](#)

John Pyke, P.Geo. Malroz Engineering Inc. T: 613-548-3446 x 34 C: 613-561-5363

From: Matthews, Nathalie (MECP) <Nathalie.Matthews@ontario.ca>
Sent: Tuesday, September 20, 2022 7:04 AM
To: David Holliday <directoroperations@townshipleeds.on.ca>; James Tuck <managerIES@townshipleeds.on.ca>
Cc: John Pyke <Pyke@malroz.com>
Subject: Escott WDS - 2021 AMR; GW Comments

Good afternoon,

Groundwater related comments on Escott WDS's 2021 annual report are summarised in the attached memorandum.

Please note that I concur with the recommendations outlined in the attached memorandum and request the following:

1. Confirmation that monitoring wells BW4 and OW11R1 have been/will be repaired or abandoned and replaced;
2. Confirmation that monitoring wells MW101, MW102, MW103 and MW104 will be included in the approved monitoring program; and
3. A schedule for acquiring ownership of the full extent of the waste site's contamination attenuation zone.

If you have any questions, please call or email.

Please note that I will advise Obai that the VOC results for 2020 are saved on the USB provided.

Nathalie Matthews | Senior Environmental Officer | Provincial Officer | 613.548.6917
Ontario Ministry of the Environment, Conservation and Parks - Kingston District Office
Spills Action Centre: 800.268.6060 | Pollution Hotline: 866.MOE.TIPS/866.663.8477
| www.ontario.ca/ministry-environment

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Properties

PIN

44316 - 0055 LT

Description

PT LT 8-10 CON BROKEN FRONT ESCOTT PT 1 & 2 28R11716; LEEDS/THOUSAND ISLANDS

Address

277 ESCOT ROCKPORT ROAD
MALLORYTOWN

Party From(s)

Name

HER MAJESTY THE QUEEN IN RIGHT OF ONTARIO AS REPRESENTED BY THE MINISTER OF THE ENVIRONMENT, CONSERVATION AND PARKS

Address for Service

135 St. Claire Avenue West
First Floor
Toronto, Ontario
M4V 1P5

This document is not authorized under Power of Attorney by this party.

This document is being authorized by a representative of the Crown.

Statements

Schedule: See Schedules

Signed By

Julie Forbes

27 Princess St, Suite 300
Kingston
K7L 1A3

acting for
Party From(s)

Signed

2022 01 05

Tel

613-544-0211

Fax

613-542-9814

I have the authority to sign and register the document on behalf of the Party From(s).

Submitted By

CUNNINGHAM, SWAN, CARTY, LITTLE & BONHAM
LLP

27 Princess St, Suite 300
Kingston
K7L 1A3

2022 01 05

Tel

613-544-0211

Fax

613-542-9814

Fees/Taxes/Payment

Statutory Registration Fee

\$66.30

Total Paid

\$66.30

File Number

Party From Client File Number : 26101-47

CERTIFICATE
OF
REQUIREMENT

s.197(2)
Environmental Protection Act

This is to certify that pursuant to Condition 14 of the Amended Environmental Compliance Approval A441703, issued by Mohsen Keyvani, P. Eng., Director of the Ministry of the Environment Conservation and Parks under Part II.1 of the *Environmental Protection Act* on February 14, 2021 with respect to a waste disposal site (landfill) on lands described as:

Parcel Number (PIN): 44316-0055(LT)

Part of Lots 8, 9 and 10, Concession Broken Front,
being Parts 1 and 2, 28R11716, geographic Township
of Escott, now in the Township of Leeds and the
Thousand Islands, County of Leeds

(the “Property”)

The Corporation of the Township of Leeds and the Thousand Islands

and any other persons having an interest in the Property are required, before dealing with the Property in any way, to give a copy of the Amended Environmental Compliance Approval A441703, including any amendments that may be made thereto, to every person who will acquire an interest in the Property as a result of the dealing.

Under subsection 197(3) of the *Environmental Protection Act*, the requirement applies to each person who, subsequent to the registration of this certificate, acquires an interest in the Property.

Jessie Payeur

From: John Pyke
Sent: February 21, 2023 1:56 PM
To: Jessie Payeur
Subject: FW: Escott WDS - 2021 AMR; GW Comments
Attachments: fom-nm-2021 AMR-Escott WDS.pdf

John Pyke, P.Geo. Malroz Engineering Inc. T: 613-548-3446 x 34 C: 613-561-5363

From: Matthews, Nathalie (MECP) <Nathalie.Matthews@ontario.ca>
Sent: Tuesday, September 20, 2022 7:04 AM
To: David Holliday <directoroperations@townshipleeds.on.ca>; James Tuck <managerIES@townshipleeds.on.ca>
Cc: John Pyke <Pyke@malroz.com>
Subject: Escott WDS - 2021 AMR; GW Comments

Good afternoon,

Groundwater related comments on Escott WDS's 2021 annual report are summarised in the attached memorandum.

Please note that I concur with the recommendations outlined in the attached memorandum and request the following:

1. Confirmation that monitoring wells BW4 and OW11R1 have been/will be repaired or abandoned and replaced;
2. Confirmation that monitoring wells MW101, MW102, MW103 and MW104 will be included in the approved monitoring program; and
3. A schedule for acquiring ownership of the full extent of the waste site's contamination attenuation zone.

If you have any questions, please call or email.

Please note that I will advise Obai that the VOC results for 2020 are saved on the USB provided.

Nathalie Matthews | Senior Environmental Officer | Provincial Officer | 613.548.6917
Ontario Ministry of the Environment, Conservation and Parks - Kingston District Office
Spills Action Centre: 800.268.6060 | Pollution Hotline: 866.MOE.TIPS/866.663.8477 | www.ontario.ca/ministry-environment

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confidentielle et/ou dispensée de divulgation aux termes des lois applicables. Si vous avez reçu ce message par erreur, ou s'il ne vous est pas destiné, veuillez le mentionner immédiatement à l'expéditeur et effacer ce courriel.

Appendix F

Logbook and Waybills



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: January 4/22 TIME: 8:15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Description / Location

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Birds & Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

(Snow Covered)

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 01/05/22

Paper & Box Board Bin

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 am	Art Morrow	Recycle & Waste	Truck Load	✓
10:30 am	Art Morrow	" "	" "	✓
12:00 noon	Art Morrow	" "	" "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 115

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED Yes / No

DETAILS: _____

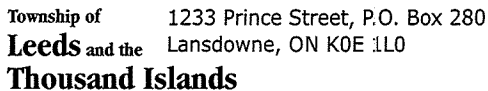
COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE ALLAN McRAE Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: Jan 8/2022 TIME: 8:15 AM STAFF: ALLAN McRAE -25

DEFICIENCIES OBSERVED:

Description / Location

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: **Yes / No**

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

OTHER COMMENTS / OBSERVATIONS
wednesday 5 / landfill Pushed Back (Tackaberry)

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 Am	Art Monow	Landfill / Recycling	Pickup Load.	✓
10:46 Am	" "	" "	" "	✓
12: Noon	" "	" "	" "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 157

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS:

APPLICATION OF DUST SUPPRESSANT: Yes ☐ No ☒

DETAILS:

DAILY INSPECTION FORM COMPLETED Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes ☒ No ☐

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

SIGNATURE Alan McRae Print Staff Name: ALAN MCRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



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**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: January 11/22 TIME: 8:15 Am STAFF: ALLAN McRAE -31

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:

- Roads Sanded. -31

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 01/10/2022 Plastic Bin

DATES BINS WERE PICKED UP: 01/11/2022 " "

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

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

TOTAL COUNT OF HOUSEHOLD USERS: 48

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: around site.

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE ALLAN McRAE Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



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**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: January 15/2022 TIME: 8:15 am STAFF: ALLAN McRAE - 35

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

along Road & Bins

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>9:30 AM</u>	<u>ART MERRIN</u>	

OTHER COMMENTS / OBSERVATIONS

Sunny - Wind out of East - 35

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:30 am</u>	<u>ART MERRIN</u>	<u>Landfill / Recycle</u>	<u>Truck Load</u>	<u>✓</u>
<u>11:30 am</u>	<u>" "</u>	<u>" "</u>	<u>" "</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 103

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: along Road & Bins

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: put down salt

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



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**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: January 18/2022 TIME: 8:15 Am STAFF: ALLAN McRae - 10 sunny

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

along Roadside

Snow Control around Bins

RECOMMENDED ACTIONS / ACTIONS TAKEN:

andy Cross was in / Salt control around Bins
too clean & inspect
wall heater. - 10 and Sunny

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:30am</u>	<u>Art Mervon</u>	<u>Landfill/Recycle</u>	<u>1/2 ton truck</u>	<u>✓</u>
<u>12:30pm</u>	<u>" "</u>	<u>" "</u>	<u>1/2 of 1/2 ton truck</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 41

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: along side of 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) and topic: _____

SIGNATURE ALLAN McRae Print Staff Name: ALLAN McRae

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



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**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: January 22/2022 TIME: 8:15 am STAFF: ALLAN McRae -31

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

get in bin Broke up cardboard boxes
-31 / High-8

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 am	Art Morrow	Landfill/Recycle	1/2 ton truck	✓
11:00 am	" "	" "	" "	✓
12:30 pm	" "	" "	" "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 106

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: up around Bins and Land face

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: Salt around Bins

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE ALLAN McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



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**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: January 25/2022 TIME: 8:15 STAFF: ALLAN McRae

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

Packed around Land face

Shoveled all around Bins

RECOMMENDED ACTIONS / ACTIONS TAKEN:

-Minus-20

High-4 Sunny all day.

snow on the ground

this morning 5 inches of light snow.

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 01/24/2022

Plastic Bin.

DATES BINS WERE PICKED UP: 01/25/2022

Plastic Bin.

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:00am</u>	<u>Art Morrow</u>	<u>mixed</u>	<u>PARTIAL</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 67

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: around Land face

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: Snow & Ice Control around Bins

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE ALLAN McRae

Print Staff Name: ALLAN McRae

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



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WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: January 11, 2008 TIME: 8:15 AM STAFF: ALLAN MCKEAE

DEFICIENCIES OBSERVED:

Description / LocationPonded Water: Yes / ☒ No

Windblown Litter: Yes / No

Leachate Springs: Yes ☒ No ☐

Animals: Yes / No

Other: Yes / ~~No~~

Around Bins / Along Roadside / at Landfill

Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

NTS / OBSERVATIONS
minus -22 / Winds out of the EAST

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material $\frac{1}{2}$ / $\frac{1}{2}$	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30am	ART Morrow	Landfill / Recycle	$\frac{1}{2}$ ton truck	✓
11:30am	ART Morrow	Landfill / Recycle	" " "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 114

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: Chumnet Bins / along Reedside / at a landfill
SALT

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: Shovel around Bins of Salt.

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes ☒ No ☐

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

SIGNATURE Allan McKee Print Staff Name: ALLAN MCKEE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



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**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: February 1/2022 TIME: 8:15 Am STAFF: ALLAN McRAE -6

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

around Landfill.

Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 02/01/2022

Paper & Box Board Bin

DATES BINS WERE PICKED UP: 02/01/2022

" " " "

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:00 Am</u>	<u>Art Morrow</u>	<u>1/2 Landfill / 1/2 recycle</u>	<u>1/2 truck</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 64

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: Pack up around Landfill.

APPLICATION OF ^{Snow} DUST SUPPRESSANT: Yes / No

DETAILS: Shovel around Bins

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE ALLAN McRAE

Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____

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WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: February 3 TIME: 8:15 AM STAFF: ALAN MCRAE

DEFICIENCIES OBSERVED:Ponded Water: Yes ☒ No ☐

Windblown Litter: Yes ☒ No ☐

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

RECOMMENDED ACTIONS / ACTIONS TAKEN:

Birds
Major snow shovelling around
Bins & SITE.

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 AM	Art Morrow	Landfill / Recycle	1/2 ton truck	✓
10:30 AM	" "	" "	" " "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 124

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: ^{Yes} Yes / No

DETAILS: Snow Shovelling around Bins & Side.

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS:

COMPLAINTS RECEIVED: Yes ☒ No ☐

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

SIGNATURE Alan M. Kade Print Staff Name: ALAN M. KADE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



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**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: February 8/22 TIME: 8:15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

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

Description / Location

Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 02/08/2022 Cardboard & Plastic
DATES BINS WERE PICKED UP: 02/10/2022 " " "

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

5 compliments of how clean and organized the Landfill Site is!

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:30am</u>	<u>Art Morrow</u>	<u>Landfill/Recycling</u>	<u>1/2 ton truck</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 46

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: around Bins and Site

APPLICATION OF ~~DUST~~ ^{ICE} SUPPRESSANT: Yes / No

DETAILS: Salt & Sand

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes No

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

SIGNATURE Allan McRae Print Staff Name: Allan McRae

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



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**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: February 2/2022 TIME: 8:20 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

Around Bins & Site

Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 02/08/2022 Plastic & Cardboard

DATES BINS WERE PICKED UP: 02/10/2022 " " "

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Very Muddy! (The main gate open!)

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:40 am	Art Morrow	Plastic & Recycling	4 ton	✓
10:30 am	" "	" "	" "	✓
12:00 noon	" "	" "	" "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 81

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: Around Bins & Site

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE Allan McRae Print Staff Name: Allan McRae

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



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DATE: February 15/2022 TIME: 8:15 am STAFF: ALLAN McRae

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

around Bins & Landfill.

Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:00 am</u>	<u>Art Morrow</u>	<u>Landfill/Recycle</u>	<u>1/2 ton</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 64

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: around Bins & Landfill.

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE ALLAN McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



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**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: February 19/2022 TIME: 8:30 STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

Shovel around Bins / and Layed some salt down
Dustin was in too place the road and
around the bins. Snowed Hard till 9:30am

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:00am	Art Morrow	Recycle/Landfill	1/2 ton Truck	✓
11:30am	" "	" "	" " "	✓
12:30pm	" "	" "	" " "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 67

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: _____

APPLICATION OF ~~DUST~~ ^{SALT} SUPPRESSANT: Yes / No

DETAILS: Salt around Bins / Dustin in too Plow

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE

Allan McRae

Print Staff Name:

ALLAN McRae

OFFICE USE:

Date Reviewed: _____

Reviewer: _____

File Number: _____

☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: February 22 / 2022 TIME: 8:15am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / ☒ No

Windblown Litter: Yes / No

Leachate Springs: Yes / ☒ No

Animals: ☒ Yes / ☐ No

Other: Yes / No

Description / Location

Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECOMMENDED ACTIONS / ACTIONS TAKEN:
- "icy" / Put salt down around Bins.

71 Jonathan was in too sand around Pins

- propane truck in Today / - Tyler in w/ big truck and

RECYCLING:

TYPE

Scraped Roadway!

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:00 AM	A2 Morrow	Recycle / Landfill	Partial 1/2 ton	✓

TOTAL COUNT OF HOUSEHOLD USERS: 10

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / **No**

DETAILS:

APPLICATION OF DUST SUPPRESSANT: ☒ Yes ☐ No

DETAILS: pull down salt around DMS

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:Yes / ~~No~~

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

SIGNATURE Alan H. Kol Print Staff Name: ALAN H. KOL

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____

☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: February 26/2022 TIME: 8:15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No ☒

Animals: Yes / No

Other: Yes / No

Description / Location

along Roadside & Bins

Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 am	Art Morrow	Landfill/Recycle	1/2 ton truck	✓
11:00 am	Art Morrow	Landfill/Recycle	1/2 ton truck	✓
12:30 pm	Art Morrow	Landfill/Recycle	1/2 ton truck	✓

TOTAL COUNT OF HOUSEHOLD USERS: 94

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: around Bins and Roadside

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: around the Bens / Howell Snow

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS:

COMPLAINTS RECEIVED:Yes / ☒ No

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

SIGNATURE Allan McKeel Print Staff Name: ALLAN MCKEEL

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of
**Leeds and the
Thousand Islands**

1233 Prince Street, P.O. Box 280
Lansdowne, ON K0E 1L0

☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: March 1 / 2022 TIME: 8:15 AM STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water:

Yes / No

Windblown Litter:

Yes / No

Leachate Springs:

Yes / No

Animals:

Yes / No

Other:

Yes / No

Description / Location

around bins & Landfill

Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: 02/28/2022

TYPE

Plastic.

DATES BINS WERE PICKED UP: 03/01/2022

Plastic.

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

- Tim Watsons In and Sanded Road & Around Bins.

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:00 AM</u>	<u>Art Mouron</u>	<u>Recycle / Landfill</u>	<u>1/2 Ton truck</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 42

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: _____

APPLICATION OF ^{SALT} DUST SUPPRESSANT: Yes / No

DETAILS: Salt around bins.

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE

Allan McRae

Print Staff Name:

ALLAN McRAE

OFFICE USE:

Date Reviewed: _____

Reviewer: _____

File Number: _____



Township of
**Leeds and the
Thousand Islands**

1233 Prince Street, P.O. Box 280
Lansdowne, ON K0E 1L0

- ☐ Lansdowne
☐ Lyndhurst
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**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: March 5/2022 TIME: 8:20 AM STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Description / Location

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
	<u>Art Morrow</u>	

OTHER COMMENTS / OBSERVATIONS

- Tackaberry in too cover landfill. Wednesday

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:30 AM</u>	<u>Art Morrow</u>	<u>Recycle/Landfill</u>	<u>1/2 ton truck</u>	<u>✓</u>
<u>11:15 AM</u>	<u>"</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: _____

LITTER CONTROL:

Yes No

DETAILS: _____

APPLICATION OF ^{SALT} DUST SUPPRESSANT: Yes / No

DETAILS: Salt around Bins

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes No

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

SIGNATURE ALLAN McRAE Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: March 8/2022 TIME: 8:15 STAFF: _____

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

along roadside / around bins

RECOMMENDED ACTIONS / ACTIONS TAKEN:

- very wet and muddy

RECYCLING:

DATE BINS WERE ORDERED: MARCH 7/2022 TYPE Paper

DATES BINS WERE PICKED UP: MARCH 8/2022 TYPE Paper

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>11:30am</u>	<u>ART Monnow</u>	<u>Recycle / Landfill</u>	<u>1/2 ton truck</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 58

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: along roadside / and bins

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE Allan McPhee Print Staff Name: ALLAN McPhee

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of
**Leeds and the
Thousand Islands**

1233 Prince Street, P.O. Box 280
Lansdowne, ON K0E 1L0

- ☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: March 12/2022 TIME: 8:15 am STAFF: ALLAN McRae / Rick Taylor

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30	Art Mowbray	Recycle / landfill	1/2 ton truck	☒
11:30	" "	" "	" " "	☒

TOTAL COUNT OF HOUSEHOLD USERS: 84

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: Shoveled around Bins

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE ALLAN McRae Print Staff Name: ALLAN McRae

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: March 15/2022 TIME: 8:15am STAFF: Allan McRae

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

around Bins

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:15am	Art Monon	Recycle / Landfill	1/2 ton	☒

TOTAL COUNT OF HOUSEHOLD USERS: 71

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: around Bins and Site

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____

☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: March 19/2022 TIME: 8:15am STAFF: ALLAN McRae / Rick Taylor

DEFICIENCIES OBSERVED:

Ponded Water: Yes / **No**

Windblown Litter: Yes / No

Leachate Springs: Yes / ~~No~~

Animals: Yes / No

Other: Yes / ☒ No

Description / Location

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: 03/20/2022

TYPE Plastic

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 am	Art Morrow	Recycle / Landfill	1/2 ton Load.	✓
11:00 am	" "	" "	" "	✓
12:30 pm	" "	" "	" "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 96

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes ☐ No ☒

DETAILS:

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS:

COMPLAINTS RECEIVED: Yes ☐ No ☒

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

SIGNATURE Allan McKee Print Staff Name: ALLAN MCKEE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: March 22/2022 TIME: 8:15am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water:

Yes / No

Windblown Litter:

Yes / No

Leachate Springs:

Yes / No

Animals:

Yes / No

Other:

Yes No

Description / Location

around Bins, Landfill site and Roadway

Birds & Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 03/21/2022 Plastic Bin.

DATES BINS WERE PICKED UP: 03/27/2022 Plastic Bin.

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:00am	ART Morrow	Landfill/Recycle	1/2 ton pickup	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 78

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: around Bins, Landfill site and along Roadway

APPLICATION OF DUST SUPPRESSANT: Yes No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes No

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

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: March 26/2022 TIME: 8:15 am STAFF: ALLAN McRAE / MAX BIRT

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

around Bins / along Roadside

Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 am	Art Morrow	Recycle / Landfill	1/2 ton truck	☒
10:45 am	" "	" "	" " "	☒
12:00 pm	" "	" "	" " "	☒

TOTAL COUNT OF HOUSEHOLD USERS: 138

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: around Bins / along Side Roadside

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE Allan McRae Print Staff Name: ALLAN McRae

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



DATE: March 29 / 2022 TIME: 8:15 am STAFF: Allan McRae

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

up around Bins & Landfill

Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 03/29/2022 1-paper Bin / 1-plastic Bin

DATES BINS WERE PICKED UP: 03/30/2022 " " " " " "

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:30am</u>	<u>ART Morrow</u>	<u>Recycle/Landfill</u>	<u>Partial Load</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 58

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: up around Bins and Landfill

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



DATE: April 2 / 2022 TIME: 8:15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

		Description / Location
Ponded Water:	☒ Yes / ☐ No	<u>up around the Landfill.</u>
Windblown Litter:	☒ Yes / ☐ No	
Leachate Springs:	Yes / ☒ No	
Animals:	Yes / ☒ No	
Other:	Yes / ☐ No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

	TYPE
DATE BINS WERE ORDERED: <u> / / </u>	
DATES BINS WERE PICKED UP: <u> / / </u>	

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:30am</u>	<u>ART Morrison</u>	<u>Recycle / Landfill</u>	<u>1/2 ton truck 1/2</u>	☒
<u>11:00am</u>	<u>" "</u>	<u>" " "</u>	<u>" " " 1/2</u>	☒

TOTAL COUNT OF HOUSEHOLD USERS: 109

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

IF NO: Waste Sent To: _____

LITTER CONTROL: ☒ Yes / ☐ No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ☒ No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ☒ Yes / ☐ No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / ☒ No

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

SIGNATURE Allan McRae **Print Staff Name:** Allan McRae

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne

☐ Lyndhurst

☒ Escott

DATE: April 5/2022 TIME: 8:15 AM STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water:

Yes / No

Windblown Litter:

Yes / No

Leachate Springs:

Yes / No

Animals:

Yes / No

Other:

Yes / No

Description / Location

around bins / along Roadside

Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

TYPE

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

x

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: _____

LITTER CONTROL:

DETAILS: around bins / along side Roadside.

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

Yes / No

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:



DATE: April 9/2022 TIME: 8:15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: ☒ Yes / ☐ No

Windblown Litter: ☒ Yes / ☐ No

Leachate Springs: Yes / ☒ No

Animals: ☒ Yes / ☐ No

Other: Yes / ☐ No

Description / Location

up at land fill
along Roadway & Bins.
Birds & Cats

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>9:30</u>		

OTHER COMMENTS / OBSERVATIONS

very muddy & wet!

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:00 am</u>	<u>Art Morrow</u>	<u>Recycle/Landfill</u>	<u>1/2 ton Pickup</u>	<u>✓</u>
<u>11:00 am</u>	<u>Art Morrow</u>	<u>" " "</u>	<u>" " "</u>	<u>✓</u>
<u>1:30 pm</u>	<u>Art Morrow</u>	<u>"Leaves"</u>	<u>1/2 ton Pickup</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 142

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

☒ Yes / ☐ No

DETAILS: along Roadway & Bins

APPLICATION OF DUST SUPPRESSANT: Yes / ☒ No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ☒ Yes / ☐ No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / ☒ No

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

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: April / 2022 TIME: 8:15 AM STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: ☒ Yes / ☐ No

Windblown Litter: ☒ Yes / ☐ No

Leachate Springs: ☐ Yes / ☒ No

Animals: ☒ Yes / ☐ No

Other: ☐ Yes / ☐ No

Description / Location
up at the Landfill pit
along Roadside & Bins
Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: 04/11/2022 TYPE: Plastic, Metal, and Cardboard

DATES BINS WERE PICKED UP: 04/13/2022 " " "

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>1:00 pm</u>	<u>PRIVATE (LADY TRUCK) (Logos)</u>	<u>Larger Than 5 inches</u>

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

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

TOTAL COUNT OF HOUSEHOLD USERS: 76

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

DETAILS: along Roadside & Bins

APPLICATION OF DUST SUPPRESSANT: Yes ☒ No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ☒ Yes / ☐ No

DETAILS: _____

COMPLAINTS RECEIVED: Yes ☒ No

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

SIGNATURE ALLAN McRAE Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

DATE: April 16/2022 TIME: 8:15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: ☒ Yes / ☐ No

Windblown Litter: ☒ Yes / ☐ No

Leachate Springs: Yes / ☒ No

Animals: ☒ Yes / ☐ No

Other: Yes / ☐ No

Description / Location

up at landfill
along roadside / and Bins

Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:45 am	ART Morrow	1/2 Recycle / 1/2 Landfill	1/2 ton truck	✓
11:18 am	" "	" / "	" " "	✓
1:30 pm	" "	" / "	" " "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 117

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

☒ Yes / ☐ No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / ☒ No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ☒ Yes / ☐ No

DETAILS: _____

COMPLAINTS RECEIVED:

☒ Yes / ☐ No

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

SIGNATURE ALLAN McRAE Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: April 19/2022 TIME: 8:15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes ☒ / No ☐

Windblown Litter: Yes ☒ / No ☐

Leachate Springs: Yes ☒ / No ☐

Animals: Yes ☒ / No ☐

Other: Yes ☒ / No ☐

Description / Location

along Roadside

Bird

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 Am	Art Monrow	Recycle / Landfill	1/2 ton truck	✓
11:00 Am	" "	- Partial recycle / landfill	" " "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 48

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes ☒ / No ☐

DETAILS: along Roadside

APPLICATION OF DUST SUPPRESSANT: Yes ☒ / No ☐

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes ☒ / No ☐

DETAILS: _____

COMPLAINTS RECEIVED: Yes ☒ / No ☐

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

SIGNATURE ALLAN McRAE Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: April 23/2022 TIME: 8:15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

along roadside, and Bins

Birds, Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: 04/25/2022 TYPE Plastic Bin / Paper Bin.

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 am	Art Motion	$\frac{1}{2}$ Recycle / $\frac{1}{2}$ Landfill	$\frac{1}{2}$ ton truck	✓
12:30 am	" "	" "	" " "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 162

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: around bins / and Roadside.

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: April 26 / 2022 TIME: 8:20 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

around Bins / along Roadway

Birds.

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS: Major Garbage @ GATE. (Mike Dellbelle pick it up)

Tackling in to clean up landfill.

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
12:00 noon	Art Morrow	$\frac{1}{2}$ Recycle / $\frac{1}{2}$ Landfill	$\frac{1}{2}$ ton truck	☒

TOTAL COUNT OF HOUSEHOLD USERS: 81

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: around Bins / along Roadside

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE ALLAN McRAE Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____

☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE
DAILY INSPECTION FORM

DATE: April 30/2022 TIME: 8:15 STAFF: ALLAN McRAE / max Burt

DEFICIENCIES OBSERVED:Ponded Water: Yes / ☒ No

Windblown Litter: Yes / No

Leachate Springs: Yes / ☒ No

Animals: Yes / No

Other: Yes / No

Description / Location

around Bins / along Roadside.

Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

TYPE

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS:

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30	Out Morrow	$\frac{1}{2}$ Recycle / $\frac{1}{2}$ waste	$\frac{1}{2}$ ton truck	✓
11:30	" "	" "	" " "	✓
12:30	" "	" "	" " "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 147

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

IF NO: Waste Sent To: _____

LITTER CONTROL: ☒ Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE Allan McKee Print Staff Name: ALLAN MCKEE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐	Lansdowne
☐	Lyndhurst
☒	Escott

DATE: May 3 / 2022 TIME: 8:15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:		Description / Location
Ponded Water:	Yes / <u>No</u>	
Windblown Litter:	<u>Yes</u> / No	<u>along Roadside and Bins</u>
Leachate Springs:	Yes / <u>No</u>	
Animals:	<u>Yes</u> / No	<u>Birds / Raccoons</u>
Other:	Yes / <u>No</u>	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

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

REJECTED LOADS:		
TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS:

COMMERCIAL HAULER OR LARGE LOADS:

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30am	AAT Monow	<u>1/2 Recycle / 1/2 waste</u>	<u>1/2 ton truck</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 68

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: around Bins and Roadside

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE ALLAN McRAE Print Staff Name: ALLAN McRAE

OFFICE USE:



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: May 7/2022 TIME: 8:20am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

very windy here today

Birds / cat

RECOMMENDED ACTIONS / ACTIONS TAKEN:

Litter Control around Bins and Roadway

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 09/05/2022 Plastic Bin.

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

very windy out of East.

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:00am</u>	<u>Art Morrow</u>	<u>1/2 Recycle / 1/2 Waste</u>	<u>1/2 / 1/2 ton</u>	<u>✓</u>
<u>11:30am</u>	<u>" "</u>	<u>" "</u>	<u>" "</u>	<u>✓</u>
<u>12:30am</u>	<u>" "</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: _____

LITTER CONTROL: Yes / No

DETAILS: along Roadside & Bins.

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE ALLAN McRAE Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: May 10/2022 TIME: 8:15 Am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

along Roadway & Bins

Birds, Raccoons, Cows

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: 05/09/2022

TYPE

Plastic, Cardboard.

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Tim Watson in with loader to
crush cardboard / Plastic Bins - push up fill site.

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:30am</u>	<u>Art Mouw</u>	<u>1/2 Recycle / 1/2 Waste</u>	<u>1/2 ton truck</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 74

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

IF NO: Waste Sent To:

LITTER CONTROL:

Yes / No

DETAILS: along Roadway and Bins

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS:

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS:

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE ALLAN McRAE Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: Reviewer: File Number:

☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: May 17/2022 TIME: 8:15 am STAFF: ALAN McRae

DEFICIENCIES OBSERVED:

Ponded Water: Yes / ☒ No

Windblown Litter: Yes / No

Leachate Springs: Yes / ☒ No

Animals: ☒ Yes / ☐ No

Other: **Yes / No**

Description / Location

around Pines / and Roadside.

Birds, Cats and Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: 05/18/2022

Plastic Bin / cardboard Bin.

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 Am	Art Morrow	$\frac{1}{2}$ Recycle / $\frac{1}{2}$ waste	$\frac{1}{2}$ ton truck	✓
11:00 Am	" "	" / "	" " "	✓
12:30 pm	" "	" / "	" " "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 157

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS:

around bins along roadside.

APPLICATION OF DUST SUPPRESSANT: Yes ☐ No ☒

DETAILS:

DAILY INSPECTION FORM COMPLETED: (Yes / No)

DETAILS:

COMPLAINTS RECEIVED:

Yes ☒ No ☐

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

SIGNATURE

John McRae

Print Staff Name:

ALLAN M CRAE

OFFICE USE:

Date Reviewed:

Reviewer:

File Number:



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: May 17/2022 TIME: 8:15 am STAFF: ALLAN McRae

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

around Bins / along Roadway.
Birds / Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>11:30 AM</u>	<u>ART Mowbray</u>	<u>Recycle / Landfill</u>	<u>Partial 4/4</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 58

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

IF NO: Waste Sent To:

LITTER CONTROL: Yes / No

DETAILS: around Bins / along roadside - up around landfill

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS:

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS:

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE ALLAN McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: Reviewer: File Number:

- ☐ Lansdowne
- ☐ Lyndhurst
- ☐ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: May 21/2022 TIME: 8:15 AM STAFF: Allen McRae

DEFICIENCIES OBSERVED:Ponded Water: Yes / ☒ No

Windblown Litter: Yes / No

Leachate Springs: Yes / ☒ No

Animals: Yes / No

Other: _____ **Yes / No**

Description / Location

Birds, Cats, Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Household Amnesty Tag 1

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30am	Art Morrow	$\frac{1}{2}$ Recycle / $\frac{1}{2}$ Landfill	$\frac{1}{2}$ ton truck	✓
11:30am	" "	" "	" " "	✓
12:45pm	" "	" "	" " "	

TOTAL COUNT OF HOUSEHOLD USERS: 117

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: around bins

APPLICATION OF DUST SUPPRESSANT: Yes ☐ No ☒

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: (Yes) / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes ☒ No ☐

Yes / No

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

SIGNATURE Alan McKeel Print Staff Name: ALAN MCKEEL

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

DATE: May 24/2022 TIME: 8:15 AM STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

around bins / along Roadside

Birds, Cats, & Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: 05/24/2022 TYPE Plastic Bin / covered Paper

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>11:30am</u>	<u>ART Morrow</u>	<u>1/2 recycle / 1/2 landfill</u>	<u>1/2 ton truck</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 102

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: around Bins / along Roadside

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____

☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: May 28/2022 TIME: 8:15 AM STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:Ponded Water: Yes / **No**

Windblown Litter: Yes / No

Leachate Springs: Yes / ~~No~~

Animals: Yes / No

Other: Yes / No

Description / Location

around Bins / along Roadway

Birds, Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATE BINS WERE PICKED UP: 05/25/2022 ① Covered paper / ② Plastic Bin

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

OTHER COMMENTS / OBSERVATIONS
- Tackaberry in too level landfill.

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:00 am	Art Monow	$\frac{1}{2}$ Recycle / $\frac{1}{2}$ Landfill	$\frac{1}{2}$ ton Load.	✓
11:30 am	" "	" "	" " "	✓
1:00 pm	" "	" "	" " "	✓

TOTAL COUNT OF HOUSEHOLD USERS: _____

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: around Bins / along Roadway.

APPLICATION OF DUST SUPPRESSANT: Yes ☐ No ☒

DETAILS: _____

DAILY INSPECTION FORM COMPLETED Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes ☒ No ☐

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

SIGNATURE Alan McKee Print Staff Name: Alan McKee

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: May 31/2022 TIME: 8:15 am STAFF: ALLAN McRae

DEFICIENCIES OBSERVED:

Description / Location

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

around Bins & Roadway
Birds, Cats and Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 05/31/2022 Metal Bin

DATES BINS WERE PICKED UP: 06/01/2022 Metal Bin.

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS:

COMMERCIAL HAULER OR LARGE LOADS:

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:30 am</u>	<u>Art Monou</u>	<u>1/2 Recycle / 1/2 Landfill</u>	<u>1/2 Ton truck</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 94.

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: Around Bins & Roadway

APPLICATION OF DUST SUPPRESSANT: Yes No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE ALLAN McRae Print Staff Name: ALLAN McRae

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: June 4/2022 TIME: 8:15 am STAFF: Allan McRae

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

around Bins & Roadway

Birds, Cats, & Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 06/06/2022 Plastic Bin / Cardboard Bin

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS: Amnesty Tag Dawson Massey 1370 County Rd 2

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:00am	Art Mowen	1/2 Recycle / LANDFILL	1/2 ton truck	✓
10:30am	"	"	" " "	✓
12:30am	"	"	" " "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 154

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

IF NO: Waste Sent To:

LITTER CONTROL: Yes / No

DETAILS: around Bins / and Roadway

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS:

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS:

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE: Allan McRae Print Staff Name: Allan McRae

OFFICE USE:

Date Reviewed: Reviewer: File Number:

☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: June 7, 22 TIME: 8:15 am STAFF: Rick Taylor

DEFICIENCIES OBSERVED:

Ponded Water: Yes / ☒ No

Windblown Litter: ☒ Yes ☐ No

Leachate Springs: Yes / ☒ No

Animals: Yes / No

Other: **Yes / No**

Description / Location

Brown Bins

RECOMMENDED ACTIONS / ACTIONS TAKEN:

G. TACKABERRY delivered stone @ 2:15 pm.

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
11:15	Art Moreau	Garbage/Recycle	1/2 load	Y

TOTAL COUNT OF HOUSEHOLD USERS: 47

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

IF NO: Waste Sent To: _____

LITTER CONTROL: ☒ Yes / ☐ No

DETAILS: Pick up around office & home.

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No 2

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

SIGNATURE Kick Taylor Print Staff Name: Kick Taylor

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____

☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: Sat June 11, 22 TIME: 8:05 STAFF: RICK TAYLOR

DEFICIENCIES OBSERVED:Ponded Water: Yes / No ☒

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: **Yes / No**

Description / Location

Picked up around Bins.

CATS / Raccoon

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30	Art Monroon	Garbage/Recycle	Full 1/2 ton	Y
11:00	" "	" "	" " "	Y
12:30	" "	" "	" " "	Y
				Y

TOTAL COUNT OF HOUSEHOLD USERS: 109.

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

IF NO: Waste Sent To: _____

LITTER CONTROL: ☒ Yes / ☐ No

DETAILS: Picked up litter around bus.

APPLICATION OF DUST SUPPRESSANT: Yes ☐ No ☒

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE [Signature] Print Staff Name: KICK TAYLOR

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____

☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: June 14, 22 TIME: 8:20 STAFF: Rick Taylor

DEFICIENCIES OBSERVED:

Ponded Water: Yes (No)

Windblown Litter: ☒ Yes ☐ No

Leachate Springs: Yes / No

Animals: ☒ Yes ☐ No

Other: Yes / No

Description / Location

Around Sun's

Birds / Cats

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:30	Let Morrow	Garbage / Recycle	1/2	Y

TOTAL COUNT OF HOUSEHOLD USERS: 69

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: Almond Bros Trailer

APPLICATION OF DUST SUPPRESSANT: Yes ☐ No ☒

DETAILS: _____

DAILY INSPECTION FORM COMPLETED Yes/No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE [Signature] Print Staff Name: DICK 1A41UR

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐	Lansdowne
☐	Lyndhurst
☒	Escott

DATE: June 18, 22 TIME: 8:05 STAFF: RICK TAYLOR

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

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:	TYPE
DATE BINS WERE ORDERED: <u> / / </u>	
DATES BINS WERE PICKED UP: <u> / / </u>	

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS:

COMMERCIAL HAULER OR LARGE LOADS:

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30	ART MORROW	GARAGE/RECYCLE	Full	Y
11:00	" "	" "	"	Y
12:30	" "	" "	"	Y

TOTAL COUNT OF HOUSEHOLD USERS: 99

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: Pick up around BINS, Shelter

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE [Signature] Print Staff Name: Rick Taylor

OFFICE USE: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: June 21/2022 TIME: 8:15 am STAFF: ALLAN McRae

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

around Bins / along Roadway

Birds, cats and Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 06/21/2022 Plastic Bin / Cardboard

DATES BINS WERE PICKED UP: 06/22/2022 Plastic Bin / Cardboard

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:00 am</u>	<u>ART Moore</u>	<u>1/2 Recycle / 1/2 waste</u>	<u>1/2 ton truck</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 113

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: Around Bins and Roadway

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE ALLAN McRae Print Staff Name: ALLAN McRae

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____

☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: June 25/2008 TIME: 8:15am STAFF: ALLAN McKeo

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: **Yes / No**

Description / Location

Description / Location
By Brush pits
Around Pans / along Road

Birds, Cats / Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10 Am	Art Marrow	$\frac{1}{2}$ Recycle / $\frac{1}{2}$ waste	$\frac{1}{2}$ ton Truck	✓
11.30 Am	" "	" / "	" "	✓
1.00 pm	" "	" / "	" "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 144

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

CONTROL: ☒ Yes / No

DETAILS: Ground Pins and Roadway.

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE Allan McKee Print Staff Name: Allan McKee

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____

☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: June 29 2022 TIME: 8:15 STAFF: ALLAN MCRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / ☒ No

Windblown Litter: ☒ Yes / ☐ No

Leachate Springs: Yes / No ☒

Animals: Yes / No

Other: Yes ☒ No ☐

Description / Location

around birds / along Roadway
Birds, Cats and Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30am	Art Mounaw	1/2 Recycle / 1/2 Landfill	1/2 ton truck	✓

TOTAL COUNT OF HOUSEHOLD USERS: 104

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

IF NO: Waste Sent To: _____

LITTER CONTROL: ☒ Yes / ☐ No

DETAILS: around Bank / Roadways

APPLICATION OF DUST SUPPRESSANT: Yes ☐ No ☒

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes ☐ No ☒

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

SIGNATURE ALLAN MCKEE Print Staff Name: ALLAN MCKEE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

DATE: July 2/22 TIME: 8:20 STAFF: Rick Taylor

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

Raccoon parts

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30	Art Norwood	Garbage / Recycle	1/2 TONS Full	Y
11:30	" "	" "	" " "	Y
12:45	" "	" "	" " "	Y

TOTAL COUNT OF HOUSEHOLD USERS: 132

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

IF NO: Waste Sent To:

LITTER CONTROL: Yes / No

DETAILS: Picked up around Bins, Trailers

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS:

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS:

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE [Signature] Print Staff Name: Rick Taylor

OFFICE USE:

Date Reviewed: Reviewer: File Number:



☐ Lansdowne

☐ Lyndhurst

☒ Escott

DATE: July 5, 22 TIME: 755 STAFF: Rick Taylor

DEFICIENCIES OBSERVED:

Ponded Water:

Yes / No

Windblown Litter:

Yes / No

Leachate Springs:

Yes / No

Animals:

Yes / No

Raccoons / cats,

Other:

Yes / No

rain all day

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: 1 / 1

DATES BINS WERE PICKED UP: 04/07/22

TYPE

Plastic

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:45	Art Morland	Garbage / Recycle	1/2 TONS Full	y

TOTAL COUNT OF HOUSEHOLD USERS: 75

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: Pick up around bins

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: Mother Nature

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE Rick Taylor Print Staff Name: Rick Taylor

OFFICE USE:

☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: July 9/2022 TIME: 8:29 STAFF: Clarence Birt

DEFICIENCIES OBSERVED:

Ponded Water: Yes / ☒ No

Windblown Litter: Yes/ No

Leachate Springs: Yes / ☒ No

Animals: ☒ Yes / ☐ No

Other: **Yes / No**

Description / Location

Trash around Bins

Birds, cats

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:39	Art Morrow	waste/Recycle	Full load	Yes

TOTAL COUNT OF HOUSEHOLD USERS: 109

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

IF NO: Waste Sent To: _____

LITTER CONTROL: ☒ Yes / ☐ No

DETAILS: Cleaned around bins

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE Clarence Birt Print Staff Name: Clarence Birt

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

DATE: July 12/2022 TIME: 8:15 Am STAFF: ALAN McRae

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

around Bins / Roadside

Birds / Cat

RECOMMENDED ACTIONS / ACTIONS TAKEN:

I have SAID and Told Derek D. Be Careful
around the metal bin and Landfill site.

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 07/12/2022 Plastic.

DATES BINS WERE PICKED UP: 07/13/2022 Plastic.

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

✓ Birt Blanchard in / done the Road!
- Rick Taylor in Trimmied up Trees around Trailer.

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:00am</u>	<u>ART Monro</u>	<u>1/2 Recycle / 1/2 waste</u>	<u>1/2 ton</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 93

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: around Bins / and Roadside.

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE Alan McRae Print Staff Name: ALAN McRae

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: July 14/2022 TIME: 8:20am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

Cats, Raccoons, Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:00am	Art Marine	^{1/2} Recycle / ^{1/2} Garbage	1/2 ton	✓
11:15am	" "	" "	" "	✓
1:00pm	" "	" "	" "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 128

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: around Bins.

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE ALLAN McRAE Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____

☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: July 1/2022 TIME: 8:15am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / ☒ No

Windblown Litter: Yes / No

Leachate Springs: Yes / ☒ No

Animals: Yes / No

Other: **Yes / No**

Description / Location

Around River / Roadside

Birds, Cats and Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:30 am	Art Monro	$\frac{1}{2}$ Recycle / $\frac{1}{2}$ Landfill	$\frac{1}{2}$ ton truck	✓

TOTAL COUNT OF HOUSEHOLD USERS: 91

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

DETAILS: around Bin / Roadway

APPLICATION OF DUST SUPPRESSANT: Yes ☐ No ☒

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes ☐ No ☒

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

SIGNATURE Allen McKee Print Staff Name: Allen McKee

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: July 23/2022 TIME: 8:15am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

around Bins and Roadside

Birds, Cats and Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
12:00 noon	Private	Railway Ties / Too Big.

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:00am	Art Mowors	1/2 Recycle / 1/2 Landfill	1/2 ton truck	✓
11:30am	" "	" "	" " "	✓
1:00pm	" "	" "	" " "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 137

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: around Bins / along Roadway

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of
**Leeds and the
Thousand Islands**

1233 Prince Street, P.O. Box 280
Lansdowne, ON K0E 1L0

- ☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL
DAILY INSPECTION FORM

DATE: July 26/2022 TIME: 8:15 am STAFF: ALLAN McRae

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

around Bins and along Roadways

cat & Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 06/26/2022 covered Bin / Plastic Bin

DATES BINS WERE PICKED UP: 06/29/2022

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>9:30 am</u>	<u>Art Monro</u>	

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:30 am</u>	<u>Art Monro</u>	<u>Recycle / Landfill</u>	<u>1/2 ton</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 97

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: around Bins / along Roadways

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE Allan McRae Print Staff Name: Allan McRae

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☐ Escott

DATE: July 30 TIME: 8:17 STAFF: Clarence Birt

DEFICIENCIES OBSERVED:

Ponded Water:

Yes / No

Windblown Litter:

Yes / No

Leachate Springs:

Yes / No

Animals:

Yes / No

Birds / cats

Other:

Yes / No

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

TYPE

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS:

COMMERCIAL HAULER OR LARGE LOADS:

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:43	art morrow	Waste/Recycle	Full load	yes
11:05	art morrow	Waste/Recycle	Half load	yes

TOTAL COUNT OF HOUSEHOLD USERS: 115

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE Clarence Birt Print Staff Name: Clarence Birt

OFFICE USE:



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: August 2/2022 TIME: 8:15am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water:

Yes / No

Windblown Litter:

Yes / No

Leachate Springs:

Yes / No

Animals:

Yes / No

Other:

Yes / No

Description / Location

along Roadside / and Bins
Birds, cats and Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: 08/02/2022

TYPE

Card board

DATES BINS WERE PICKED UP: 08/03/2022

Card board.

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS:

COMMERCIAL HAULER OR LARGE LOADS:

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:00am</u>	<u>Art Morrow</u>	<u>1/2 Recycle / 1/2 Landfill</u>	<u>1/2 ton truck</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 103

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS:

along Roadside / and Bins.

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE

ALLAN McRAE

Print Staff Name:

ALLAN McRAE

OFFICE USE:

Date Reviewed: _____

Reviewer: _____

File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: August 6/2022 TIME: 8:15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

along Roadway & Bins
Birds, Cats and Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS:

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30am	Art Monro	^{1/2} Recycle / ^{1/2} Landfill	1/2 ton truck	✓
11:30am	" "	" "	" "	✓
1:00pm	" "	" "	" "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 137

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: along Roadway & Bins

APPLICATION OF DUST SUPPRESSANT: Yes ~~No~~

DETAILS: Road graded and Sprayed

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes No

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

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: August 9 / 2022 TIME: 8:15 STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water:

Yes / No

Windblown Litter:

Yes / No

Leachate Springs:

Yes / No

Animals:

Yes / No

Other:

Yes / No

Description / Location

around Bins / along Roadway

Birds, cats, and Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: 09/08/2022

TYPE

Plastic Bin

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Summer Students in landfill too
weed eat around Bins.

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>10:30am</u>	<u>ART Morrow</u>	<u>1/2 Recycle / 1/2 Landfill</u>	<u>1/2 ton Truck</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 94.

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS:

Around Bins and Roadway

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE Allan McRae

Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____

Reviewer: _____

File Number: _____

☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: Aug 13/2022 TIME: 8:15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / **No**

Windblown Litter: Yes / No

Leachate Springs: Yes / No ☒

Animals: Yes / No

Other: Yes / No

Description / Location

around Bins / along Roadway
Cats / Birds / Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 am	Art Mowens	$\frac{1}{2}$ Recycle / $\frac{1}{2}$ Landfill	$\frac{1}{2}$ ton truck	✓
11:30 am	" "	" "	" " "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 138

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

CONTROL: Yes / No

DETAILS: around Pines / along Roadside

APPLICATION OF DUST SUPPRESSANT: Yes / No ☒

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes ☐ No ☒

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

SIGNATURE: Alan McRae Print Staff Name: ALAN M^cRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐	Lansdowne
☐	Lyndhurst
☒	Escott

DATE: August 16/2022 TIME: 8:15 am STAFF: ALLAN McRae

DEFICIENCIES OBSERVED:

Description / Location

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

around Bins / along Roadway
Birds, Cats, and Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: 08/15/22 ^① TYPE Covered Paper / ① Plastic
DATES BINS WERE PICKED UP: 08/18/22 " " "

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Chris Kirkland in too Cut grass along Roadway

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:30 am</u>	<u>Art Monow</u>	<u>1/2 Recycle / 1/2 Landfill</u>	<u>Partial 1/2 ton</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 72

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

DETAILS: Around Bins Yes / No / along Roadway

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE Allan McRae Print Staff Name: ALLAN McRae

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



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

☐	Lansdowne
☐	Lyndhurst
☒	Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: Sat 20/22 TIME: 8:00 AM 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

854 Bins

Birds, cats

RECOMMENDED ACTIONS / ACTIONS TAKEN:

Picked up litter

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>9:30</u>	<u>Resident</u>	<u>Sent to Lansdowne with fresh</u>

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

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

TOTAL COUNT OF HOUSEHOLD USERS: 112

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE [Signature] Print Staff Name: 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

☐	Lansdowne
☐	Lyndhurst
☒	Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: AUG 23, 22 TIME: 8:20 STAFF: RICK TAYLOR

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

CATS, ~~REDACTED~~ RACOONS.

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: AUG 19/22 TYPE Plastic / Paper / Steel

DATES BINS WERE PICKED UP: AUG 22/22 Plastic / Paper / Steel

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:30</u>	<u>ART MORROW</u>	<u>GARBAGE / Recycle</u>	<u>1/2 LOAD</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 65

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: Around office & Recycle Bins.

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE [Signature] Print Staff Name: RICK TAYLOR

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐	Lansdowne
☐	Lyndhurst
☒	Escott

DATE: SAT AUG 27, 22 TIME: 8.05 STAFF: Rick Taylor

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

Skunk / Cats

Bees / Wasp

RECOMMENDED ACTIONS / ACTIONS TAKEN:

Sent a load of brush to Lansdowne.

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30	ART MORROW	Garbage / Recycle	TRUCK Full	✓
11:30	" "	" "	" "	✓
12:30	" "	" "	" "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 113

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: around office & Buis.

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE Rick Taylor Print Staff Name: Rick Taylor

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Thousand Islands
Lansdowne, ON K0E 1L0

☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: August 30, 22 TIME: 8:10 STAFF: Rick Taylor

DEFICIENCIES OBSERVED:

Ponded Water: Yes ☒ No ☐ _____
Windblown Litter: ☒ Yes ☐ No _____
Leachate Springs: Yes ☒ No ☐ _____
Animals: ☒ Yes ☐ No CATS, RACOONS _____
Other: Yes ☐ No ☐ _____

Description / Location

RECOMMENDED ACTIONS / ACTIONS TAKEN:

Mulwooney showed up with Dozer @ 3pm.

RECYCLING:

TYPE

DATE BINS WERE ORDERED: Aug 29/2022 Plastic / CANS

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:45	ART Moreau	Garbage / Recycle	1/2 Load	Y

TOTAL COUNT OF HOUSEHOLD USERS: 58

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

☒ Yes ☐ No

DETAILS: Pick up around Bins, cleaned off table.

APPLICATION OF DUST SUPPRESSANT: Yes ☒ No ☐

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ☒ Yes ☐ No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes ☒ No ☐

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

SIGNATURE Rick Taylor Print Staff Name: Rick Taylor

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____

01/22 TIME: 8:15 STAFF: RICK TAYLOR

DEFICIENCIES OBSERVED:

Ponded Water: Yes ☒ No

Windblown Litter: ☒ Yes / No

Leachate Springs: Yes ☒ No

Animals: ☒ Yes / No

Other: Yes / No

Description / Location

Picked up around Bins

Cats raccoons, birds.

Deers really Bad

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: SEPT 12 / 22

Plastic

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:45</u>	<u>Art Morrow</u>	<u>Garbage/Recycle</u>	<u>Full</u>	<u>Y.</u>
<u>11:38</u>	<u>h h</u>	<u>h h</u>	<u>h h</u>	<u>Y</u>
<u>1:30</u>	<u>h h</u>	<u>h h</u>	<u>h h</u>	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 130

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

IF NO: Waste Sent To: _____

LITTER CONTROL: ☒ Yes / No

DETAILS: Picked up around Bins.

APPLICATION OF DUST SUPPRESSANT: Yes ☒ No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ☒ Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE [Signature] Print Staff Name: Rick Taylor

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: Tuesday Sept 6/2022 TIME: 8:15am STAFF: ALLAN McRae

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

Major Litter / along Roadway / Bins

Cats, Birds / Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

-(comment) Lawrence Bishop had a comment about
access to the Brush Pit (on Tuesday Sept 6/2022).
we rectified the problem By opening up the pit) (James)
(ALLAN)

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Major Litter arounds Bins and Roadway
multicorey in to cover landfill and open up brush pit.

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:30am	Art Morrow	$\frac{1}{2}$ Recycle / $\frac{1}{2}$ Landfill	Partial	☒

TOTAL COUNT OF HOUSEHOLD USERS: 118

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: Along Roadway and around Bins

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

If Yes, complaint file number(s) and topic: little area too turn around ^{w/} trucks

SIGNATURE ALLAN McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: Sept 10 / 2022 TIME: 8:15 AM STAFF: ALLAN McRae

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

around Bins and Roadway

Cats, Birds and Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: 9 / 12 / 2022 TYPE Paper, Cardboard and Plastic

DATES BINS WERE PICKED UP: 9 / 14 / 2022 Paper, Cardboard and Plastic

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30am	ART MORROW	$\frac{1}{2}$ Landfill / $\frac{1}{2}$ Recycle	$\frac{1}{2}$ ton truck	☒
11:30am	" "	" "	" " "	☒
1:00pm	" "	" "	" " "	☒

TOTAL COUNT OF HOUSEHOLD USERS: 128

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: around Bins & Roadway

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE Allan McRae Print Staff Name: ALLAN McRae

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____

☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: SEPT 13, 22 TIME: 8:20 STAFF: RICK TAYLOR

DEFICIENCIES OBSERVED:

Ponded Water:

Yes / No

Description / Location

Windblown Litter:

Yes / No

Leachate Springs:

Yes / ~~No~~

Animals:

Yes ☒ No ☐

CATS, RACOONS

Other:

Yes ☒ No ☐

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:40	Art Moreau	Garbage / Recycle	1/2 Load	y.

TOTAL COUNT OF HOUSEHOLD USERS: 49

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes ☒ No ☐

DETAILS: Picked up around bins.

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes ☒ No ☐

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE: [Signature] Print Staff Name: KICK TAYLOR

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____

☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: Sept 17/2022 TIME: 8:15am STAFF: ALLAN McRae

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No ☒

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

around Bins & along Roadway

Cats, Birds and Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 am	Art Morrow	Recycle / Landfill	1/2 ton Truck	✓
11:30 am	" "	" "	" " "	✓
1:00 pm	" "	" "	" " "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 151

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: around Bins & Roadway

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: (Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / ~~No~~

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

SIGNATURE Allan McKee Print Staff Name: ALLAN MCKEE,

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____

☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: Sept 20/2022 TIME: 8:15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes/ No

Windblown Litter: Yes ☒ No ☐

Leachate Springs: Yes / ~~No~~

Animals: Yes / No

Other: Yes / ~~No~~

Description / Location

Description	Location
up around the landfill along S/	Area

Cats, Birds and Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

OTHER COMMENTS / OBSERVATIONS

- Very wet at Landface and Brush Pit.

- Large tree just crashed on covered Bin & Plastic Bin

@ 7:30pm today. (No winds)

COMMERCIAL HAULER OR LARGE LOADS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:00am	Aet Morrow	Recycle / landfill	Partial	✓

TOTAL COUNT OF HOUSEHOLD USERS: 76

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: along Roadway E

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: (Yes) // No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE Alan McKel Print Staff Name: ALAN MCKEL

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of
Leeds and the
Thousand Islands

1233 Prince Street, P.O. Box 280
Lansdowne, ON K0E 1L0

☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE
DAILY INSPECTION FORM

DATE: Sept 24/2022 TIME: 8.15am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water:

Yes / No

Windblown Litter:

Yes / No

Leachate Springs:

Yes / No

Animals:

Yes / No

Other:

Yes / No

Description / Location

around Bins & Roadway

Cats, Birds & Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

The tree people came and cleaned up
The big Sugar Maple tree that had fallen on Sept 20/2022

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30am	Art Morrow	1/2 Recycle / 1/2 Landfill	1/2 ton load	<u>✓</u>
12:30pm	" "	" "	" " "	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 126.

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS:

Around Bins & Roadway

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE

Allan McRae

Print Staff Name:

ALLAN McRAE

OFFICE USE:

Date Reviewed: _____

Reviewer: _____

File Number: _____



☐	Lansdowne
☐	Lyndhurst
☒	Escott

DATE: Sept 26/2022 TIME: 8:15 AM STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description Location
Around Landfill
Around Bins & Roadway
Birds, Cats and Raccoons
One Dead Turkey Vulture

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 09/27/2022 Plastic

DATES BINS WERE PICKED UP: 09/28/2022 Plastic

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30am	Art Monon	$\frac{1}{2}$ Recycle / $\frac{1}{2}$ Landfill	$\frac{1}{2}$ ton Truck	☒

TOTAL COUNT OF HOUSEHOLD USERS: 67

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: Around Bins & Roadway

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: Oct 1 / 2022 TIME: 8:15 Am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water:

Yes / No

Windblown Litter:

Yes / No

Leachate Springs:

Yes / No

Animals:

Yes / No

Other:

Yes / No

Description / Location

along Roadway & Around Bins

cats, Raccoons and Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Sept 29 Thursday Blown nose on Back in brush Pit - fixed on Friday
Max came and Picked up Backhoe on Saturday Oct 1 / 2022

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:30 Am</u>	<u>Art Marrow</u>	<u>1/2 Recycle / Landfill</u>	<u>1/2 ton pick up</u>	<u>✓</u>
<u>11:30 Am</u>	<u>" "</u>	<u>" / "</u>	<u>" "</u>	<u>✓</u>
<u>1:30 pm</u>	<u>" "</u>	<u>" / "</u>	<u>" "</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 131

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: around Bins and Roadway

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE Alan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐	Lansdowne
☐	Lyndhurst
☒	Escott

DATE: Oct 4, 22 TIME: 8:10 STAFF: Rick Taylor

DEFICIENCIES OBSERVED:

	Yes	No	Description / Location
Ponded Water:	☐	☒	
Windblown Litter:	☒	☐	
Leachate Springs:	☐	☒	
Animals:	☐	☒	
Other:	☐	☐	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: Oct 13 / 22 TYPE Paper |
DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:30	AET Morden	Garage/Recycle	1/2 Load	☒
9:30	" "	Brush	Full	☒
11:00	" "	" "	" "	☒

TOTAL COUNT OF HOUSEHOLD USERS: 55

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

DETAILS: Pick up around office & bins

APPLICATION OF DUST SUPPRESSANT: Yes ☒ No ☐

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: ☒ Yes / ☐ No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes ☒ No ☐

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

SIGNATURE [Signature] Print Staff Name: Rick Taylor

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐	Lansdowne
☐	Lyndhurst
☒	Escott

DATE: OCT 8, 22 TIME: 8:15 STAFF: RICK 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 / No	

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30	Act Maxxam	Garbage / Recycle	Full	<u>Y</u>
10:45	" "	" "	"	<u>Y</u>
12:00	" "	" "	"	<u>Y</u>

TOTAL COUNT OF HOUSEHOLD USERS: 85

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: Pick up around bins & office

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE [Signature] Print Staff Name: RICK TAYLOR

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: Oct 11/2022 TIME: 8:15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

along Roadway and Bins
Birds and Cats

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: 10/11/2022

DATES BINS WERE PICKED UP: 10/13/2022

TYPE

Plastic and Cardboard.

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:00am</u>	<u>ART MORROW</u>	<u>1/2 Recycle / 1/2 Landfill</u>	<u>1/2 truck</u>	<u>✓</u>
<u>10:30am</u>	<u>" "</u>	<u>" "</u>	<u>" "</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 107

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: Along Roadway and around Bins

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE ALLAN McRAE Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: October 15/2022 TIME: 8.15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Description / Location

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

around Bins and Along Roadway
Birds, Cats, and Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Comments about the cardboard bin moved!! / Not enough room there!!

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 AM	Art Mouron	1/2 Recycle / 1/2 Landfill	1/2 ton Pickup	✓
11:15 AM	" "	" / "	" " "	✓
1:00 PM	" "	" / "	" " "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 118

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: Around Bins and Roadway

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
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**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: October 18/2022 TIME: 8:15 am STAFF: Allan McRae / AL Bunt

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

Around Bins

Birds, Cat, Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: Oct / 18/2022 TYPE Metal Bin.

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Moved Bin Back the way
it was (Cardboard) on Thursday! ☹️

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30	Art Morrow	<u>1/2 Recycle / Landfill</u>	<u>1/2 ton truck</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 48

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

DETAILS: Arounds Bins Yes / No

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE Allan McRae Print Staff Name: Allan McRae

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of
**Leeds and the
Thousand Islands**

1233 Prince Street, P.O. Box 280
Lansdowne, ON K0E 1L0

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**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: Oct 22 / 2022 TIME: 8:15 STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water:

Yes / No

Description / Location

Windblown Litter:

Yes / No

around Bins

Leachate Springs:

Yes / No

Animals:

Yes / No

Raccoons and Birds

Other:

Yes / No

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: 09/22/2022

metals Bin

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

metal Bin 7/4

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30am	Art Monow	<u>1/2 Recycle / Landfill</u>	<u>1/2 ton truck</u>	<u>✓</u>
11:45am	" "	" "	" "	<u>✓</u>
1:00pm	" "	" "	" "	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 94

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS:

Around Bins

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE

Allan McRae

Print Staff Name:

Allan McRae

OFFICE USE:

Date Reviewed: _____

Reviewer: _____

File Number: _____



Township of
**Leeds and the
Thousand Islands**

1233 Prince Street, P.O. Box 280
Lansdowne, ON K0E 1L0

- ☐ Lansdowne
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**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: Oct 25/2022 TIME: 8:15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water:

Yes / No

Windblown Litter:

Yes / No

Leachate Springs:

Yes / No

Animals:

Yes / No

Other:

Yes / No

Description / Location

around Bins

Birds & Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: OCT 25/25/2022

Plastic

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS:

Tackaberry in to Reshape
Landfill Site.

COMMERCIAL HAULER OR LARGE LOADS:

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

TOTAL COUNT OF HOUSEHOLD USERS: 53

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS:

around Bins

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE

ALLAN McRAE

Print Staff Name:

ALLAN McRAE

OFFICE USE:

Date Reviewed: _____

Reviewer: _____

File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: Oct 29 / 2022 TIME: 8:15 AM STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

Birds & Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: Oct 31 / 2022

TYPE

Covered Paper Bin.

DATES BINS WERE PICKED UP: 8 / 1 / 1

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

-- Tackaberry opening up Landfill
still. ① AMNESTY Tag, Lots of Comments on
the great job on the Landfill

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 AM	Art Monro	$\frac{1}{2}$ Recycle / $\frac{1}{2}$ Landfill	$\frac{1}{2}$ ton truck	✓
11:15 AM	" "	" "	" " "	✓
1:15	" "	" "	" " "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 146

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: Around Bins

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE ALLAN McRAE Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
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**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: Nov/2022 TIME: 8:15am STAFF: ALLAN McRae

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

Birds and Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: Nov/1/2022

Covered Paper Bins

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:30	Art Morrow	<u>1/2 Landfill</u> <u>1/2 Recycle</u>	<u>1/2 ton Trucks</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 61

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

DETAILS: around site

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____

☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: Nov 5/2022 TIME: 8:15 AM STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / ☒ No

Animals: Yes / No

Other: Yes ☒ No ☐

Description / Location

around Landfill site & Roadway

Birds and Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

TYPE

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material $\frac{1}{2}$	Quantity (estimate volume & weight) $\frac{1}{2}$	Visual Check (Yes/No)
9:30 AM	Art Morrow	Recycle / Landfill	$\frac{1}{2}$ ton truck	✓
11:30 AM	" "	" "	" "	✓
12:30	" "	" "	" "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 124

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

CONTROL: Yes / No

DETAILS:

Q. Around Landfill & Roadway

APPLICATION OF DUST SUPPRESSANT Yes / ☒ No

DETAILS:

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS:

COMPLAINTS RECEIVED:

Yes (No)

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

SIGNATURE

Signature: William McRae

Print Staff Name:

ALLAN McRae

OFFICE USE:

Date Reviewed:

Reviewer:

File Number:



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: November 8 / 2022 TIME: 8:15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water:

Yes / No

Windblown Litter:

Yes / No

Leachate Springs:

Yes / No

Animals:

Yes / No

Other:

Yes / No

Description / Location

around Bins

Birds & Raccoons

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: Nov / 7 / 2022 TYPE Plastic Bin

DATES BINS WERE PICKED UP: Nov / 9 / 2022 Plastic Bin

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

(WARNED) a Local Tree Co. about tree size (5') diameter (1000 Island Free Climbing)

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:30 am</u>	<u>Art Manow</u>	<u>1/2 Recycle / 1/2 Landfill</u>	<u>1/2 ton Load</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 608

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: Around Bins

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: November 12 / 2022 TIME: 8:15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water:

Yes / No

Description / Location

Windblown Litter:

Yes / No

Leachate Springs:

Yes / No

Animals:

Yes / No

Birds & Raccoons

Other:

Yes / No

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS:

COMMERCIAL HAULER OR LARGE LOADS:

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 AM	Art Monon	Recycle / Landfill	1/2 ton truck	✓
11:00 AM	" "	" "	" " "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 97

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

IF NO: Waste Sent To:

LITTER CONTROL:

Yes / No

DETAILS: around site

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS:

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS:

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE ALLAN McRAE Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: Reviewer: File Number:

- ☐ Lansdowne
- ☐ Lyndhurst
- ☐ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: Nov 15/22 TIME: 8:30 am STAFF: AL BUNT

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes/ No

Leachate Springs: Yes / No

Animals: Yes/ No

Other: **Yes / No**

Description / Location

BIRDS, RACOONS

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

TYPE

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
10:00	PRIVATE	GARBAGE, METAL	1/2 TRUCK	✓
11:15	"	"	1/2 TRAILER	✓

TOTAL COUNT OF HOUSEHOLD USERS: 76

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: BAGS, WIND BLOWN DEBRIS, ARTICLES OF CLOTHING

APPLICATION OF DUST SUPPRESSANT: Yes ☐ No ☒

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes ☒ No ☐

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

SIGNATURE Allan Bunt Print Staff Name: Allan Bunt

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: Nov 19/2022 TIME: 08:30 STAFF: ALLAN BUNT

DEFICIENCIES OBSERVED:

Description / Location

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

BIRDS

Other: Yes / No

SNOW & ICE

RECOMMENDED ACTIONS / ACTIONS TAKEN:

SALTED STEPS, STAIRS AND LANDINGS AREA SURROUNDING
AREA. KEPT UP WITH SHOVELLING TO CLEAR AREAS

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION
<u>9:30</u>	<u>ART MORROW</u>	

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
<u>9:30</u>	<u>ART MORROW</u>	<u>GARBAGE</u>	<u>1/2 Ton</u>	<u>✓</u>
<u>11:00</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>✓</u>
<u>12:15</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 63

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: BLOWING PLASTIC BAGS + CARDBOARD

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE ALLAN BUNT Print Staff Name: ALLAN BUNT

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: Nov 22/2022 TIME: 8.15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Description / Location

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Birds and Raccoons
Shovelled and Salted around Bins

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Derek into Blow & Sand Roadway.

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9.00 am	ART Mornau	Garbage	1/2 ton truck	✓
10.30 am	" "	" "	1/2 truck load	✓

TOTAL COUNT OF HOUSEHOLD USERS: 61

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: Roads Plowed / Salt around Bins

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE ALLAN McRAE Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____

☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: Nov 6/2022 TIME: 8:15 Am STAFF: AKAN McKae

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30 am	ART MORRIS	Recycle / Landfill	1/2 ton truck	✓
11:00 am	"	"	" " "	✓
1:15 pm	"	"	" " "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 34

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

IF NO: Waste Sent To:_____

LITTER CONTROL:

Yes / No

DETAILS:

Around Bins & Site

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS:

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS:

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE

Alan McGee

Print Staff Name:

ALLAN McRAE

OFFICE USE:

Date Reviewed:

Reviewer:

File Number:



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: Nov 29 / 2022 TIME: 8.15 Am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

Around Bins & Roadway

Birds

Main Gate Lock Tamped with!

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: Nov 28 / 2022 TYPE Plastic / Paper / Cardboard.

DATES BINS WERE PICKED UP: Nov 29 / 2022 " "

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Load of Clean Stone (Tackaberry)

COMMERCIAL HAULER OR LARGE LOADS

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

TOTAL COUNT OF HOUSEHOLD USERS: 49

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

DETAILS: Around Bins / and Roadway

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE Allan McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: Dec 3 2022 TIME: 8:30 STAFF: Clarence Birt

DEFICIENCIES OBSERVED:

Ponded Water: Yes / (No)

Windblown Litter: (Yes) / No

Leachate Springs: Yes / (No)

Animals: (Yes) / No

Other: Yes / No

Description / Location

COON\$

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
1:07	Don Shire	waste	1/2	yes

TOTAL COUNT OF HOUSEHOLD USERS: 79

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / (No)

DETAILS: _____

APPLICATION OF DUST SUPPRESSANT: Yes / (No)

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: (Yes) / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / (No)

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

SIGNATURE Clarence Birt Print Staff Name: Clarence Birt

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: Dec 6/2022 TIME: 8:15 am STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

along Roadway

Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:00am	<u>KAREN TRAUSEDALE</u> <u>Art Monro</u>	<u>Amnesty tag</u>	<u>P/4</u>	<u>✓</u>
12:30pm	<u>Denis Ferguson</u>	<u>Amnesty tag</u>	<u>P/4</u>	<u>✓</u>

TOTAL COUNT OF HOUSEHOLD USERS: 65

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

IF NO: Waste Sent To: _____

LITTER CONTROL: Yes / No

DETAILS: along Roadway

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: _____

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED: Yes / No

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

SIGNATURE ALLAN McRAE Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐	Lansdowne
☐	Lyndhurst
☒	Escott

DATE: Dec 10 / 2022 TIME: 8.15 am STAFF: ALLAN McRae

DEFICIENCIES OBSERVED:

Ponded Water:

Yes / No

Windblown Litter:

Yes / No

Leachate Springs:

Yes / No

Animals:

Yes / No

Other:

Yes / No

Description / Location

along Roadway & Bins

Raccoons & Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Very windy day, Litter Blown all over.

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:30am	ART Morrow	$\frac{1}{2}$ Recycle / $\frac{1}{2}$ Landfill	$\frac{1}{2}$ ton truck	☒
11:30am	" "	" "	" " "	☒

TOTAL COUNT OF HOUSEHOLD USERS: 104

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

IF NO: Waste Sent To:

LITTER CONTROL:

Yes / No

DETAILS: Litter around Bins and along Roadway.

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS:

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS:

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE ALLAN McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: Reviewer: File Number:



☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: December 13/2022 TIME: 8:15 AM STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / No

Animals: Yes / No

Other: Yes / No

Description / Location

along Roadway & Bins

Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

DATE BINS WERE ORDERED: Dec 13/2022

TYPE

Plastic

DATES BINS WERE PICKED UP: Dec 14/2022

Plastic

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Tyler In with Plow & Sander, main Roadway Plowed.

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9:00 AM	ART Monrow	$\frac{1}{2}$ Recycle / $\frac{1}{2}$ Landfill	Partial $\frac{1}{2}$ ton	☒

TOTAL COUNT OF HOUSEHOLD USERS: 54

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS: along Roadway and around bins

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS: Salt around Bins

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE Allan McRae Print Staff Name: ALLAN McRae

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



Township of
**Leeds and the
Thousand Islands**

1233 Prince Street, P.O. Box 280
Lansdowne, ON K0E 1L0

☐ Lansdowne
☐ Lyndhurst
☒ Escott

**WASTE DISPOSAL SITE
DAILY INSPECTION FORM**

DATE: December 17/2022 TIME: 8.15 STAFF: ALLAN McRae

DEFICIENCIES OBSERVED:

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

Description / Location

RECOMMENDED ACTIONS / ACTIONS TAKEN:

Shovel snow around bins & salt around bins
Chris into plow and sand.

RECYCLING:

TYPE

DATE BINS WERE ORDERED: 12/19/2022 Plastic
DATES BINS WERE PICKED UP: 12/20/2022 Plastic

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
9.00am	ART Morrow	$\frac{1}{2}$ Recycle / $\frac{1}{2}$ Landfill	$\frac{1}{2}$ ton truck	☒
11.00am	" "	" "	" " "	☒
12.30am	" "	" "	" " "	☒

TOTAL COUNT OF HOUSEHOLD USERS: 89

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes No

DETAILS: _____

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

DETAILS: Salt around bins / Chris Kirkland in to plow & sand.

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes No

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

SIGNATURE ALLAN McRae Print Staff Name: ALLAN McRAE

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

DATE: Dec 19 / 2022 TIME: 8.15 am STAFF: ALLAN McRae

DEFICIENCIES OBSERVED:

Ponded Water:

Yes / No

Windblown Litter:

Yes / No

Leachate Springs:

Yes / No

Animals:

Yes / No

Other:

Yes / No

Description / Location

along Roadway

Birds

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

Malrooney Const. in to Level and Compact
Landfill.

COMMERCIAL HAULER OR LARGE LOADS

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

TOTAL COUNT OF HOUSEHOLD USERS: 67

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

Yes / No

DETAILS:

Along Roadway

APPLICATION OF DUST SUPPRESSANT: Yes / No

DETAILS:

Salt around Bins.

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS: _____

COMPLAINTS RECEIVED:

Yes / No

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

SIGNATURE

Allan McRae

Print Staff Name:

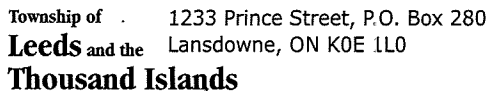
Allan McRae

OFFICE USE:

Date Reviewed: _____

Reviewer: _____

File Number: _____



☐ Lansdowne
☐ Lyndhurst
☒ Escott

WASTE DISPOSAL SITE

DAILY INSPECTION FORM

DATE: Dec 31/2022 TIME: 8.15 AM STAFF: ALLAN McRAE

DEFICIENCIES OBSERVED:**Description / Location**

Ponded Water: Yes / No

Windblown Litter: Yes / No

Leachate Springs: Yes / ~~No~~

Animals: Yes / No

Other: **Yes / No**

around Bins and Roadway
Birds.

RECOMMENDED ACTIONS / ACTIONS TAKEN:

RECYCLING:

TYPE

DATE BINS WERE ORDERED: / /

DATES BINS WERE PICKED UP: / /

REJECTED LOADS:

TIME	HAULER NAME	REASON FOR REJECTION

OTHER COMMENTS / OBSERVATIONS

COMMERCIAL HAULER OR LARGE LOADS

Time	Hauler	Material	Quantity (estimate volume & weight)	Visual Check (Yes/No)
8:30 AM	Art Mowen	^{1/2} Recycle / ^{1/2} Landfill	1/2 ton truck	✓
9:45 AM	" "	" "	" " "	✓
10:50 AM	" "	" "	" " "	✓

TOTAL COUNT OF HOUSEHOLD USERS: 91

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

IF NO: Waste Sent To: _____

LITTER CONTROL:

CONTROL: Yes / No

DETAILS: Ground Bins & Roadways

APPLICATION OF DUST SUPPRESSANT: Ice Yes/No

DETAILS: ICE Control (SALT) Around Ben

DAILY INSPECTION FORM COMPLETED: Yes / No

DETAILS:

COMPLAINTS RECEIVED: Yes ☐ No ☒

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

SIGNATURE William McKee Print Staff Name: Allen McKee

OFFICE USE:

Date Reviewed: _____ Reviewer: _____ File Number: _____

Appendix G
Malroz Site Inspections

Escorts Hill Site Inspection

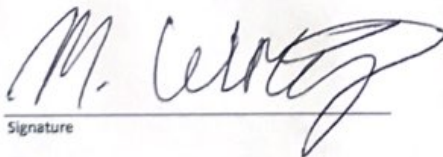
Date: April April 28/22
Inspected by: Maloney Wright
Weather Conditions: Sunny (90)

Time: 13:00

Inspection Item	Condition	Notes
Is signage displayed that outlines the hours of operation, acceptable wastes etc. per ECA?	Showing Signs of wear	
Was a site attendant present during operational hours of the landfill? Record name of attendant.	Landfill Closed	
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	Cats Present on site - lots of birds - lots of litter along west fence
Is windblown litter present at the site? If yes, has schedule been set for removal?	Yes	
Are brush and clean wood segregated from other wastes?	Yes	
Did wastes burning occur at the site?	NO	
Is interim cover being applied to the site?	Yes	
Is the property locked outside of posted hours?	Yes	
Is the gate and fence in good condition?	Yes	
Drainage conditions (e.g. ponded water).	Ponded Yes	- along east west fence - beside road across from attendants shed. - TITI Staff onsite regrading road
Are surfacewater features obstructed?	NO	
Are all ditches, swales, sediment control ponds, and rock check dams in working order?	Yes	
Is there evidence of excessive erosion on the on-site road?	NO	

Condition of the landfill cap? Is erosion of the cap occurring? Condition of vegetation?	Good No Good	
Are leachate springs evident anywhere on site?	No	
Have all monitoring wells been located? Do all wells have proper caps? Do any wells need repairs?	1. Yes 2. Yes 3. Yes	as noted in 2021 AMR OWIRI & BWY need to be replaced
Are there seeps present?	No	
What is the condition of the methane venting system?	There isn't one	
Was waste observed outside of the approved fill area?	No	
were any unapproved wastes deposited or observed at the site?	No	
Are onsite structures in good condition?	Yes	
Methat monitoring in on site structures?	N/A	Attendant Shed Vapour Monitoring: Hex: ME: Locked PID: Unable to access

General Comments


Signature

Escott Hill Site Inspection

Date: 2022-10-24

Time: 15:00

Inspected by: RF

Weather Conditions: 20°C Sunny

Inspection Item	Condition	Notes
Is signage displayed that outlines the hours of operation, acceptable wastes etc. per ECA?	Good	
Was a site attendant present during operational hours of the landfill? Record name of attendant.	No	
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	minor litter scattered on North side of pile, likely due to wind
Is windblown litter present at the site? If yes, has schedule been set for removal?	Yes	see above no attendant on site
Are brush and clean wood segregated from other wastes?	Yes	
Did wastes burning occur at the site?	No	no attendant to confirm
Is interim cover being applied to the site?	Yes	
Is the property locked outside of posted hours?	Yes	
Is the gate and fence in good condition?	Yes	
Drainage conditions (e.g. ponded water).	Good	No significant ponded water observed
Are surfacewater features obstructed?	No	WBI in good condition
Are all ditches, swales, sediment control ponds, and rock check dams in working order?	Yes	
Is there evidence of excessive erosion on the on-site road?	No	

Condition of the landfill cap? Is erosion of the cap occurring? Condition of vegetation?	Good no Good	→ recently Scraped at NE end, to be re-graded
Are leachate springs evident anywhere on site?	No	
Have all monitoring wells been located? Do all wells have proper caps? Do any wells need repairs?	→ No → Yes → Yes	→ OV14 not located ↳ buried under gap that was scraped → OW11R1/BW4 damaged
Are there seeps present?	No	
What is the condition of the methane venting system?	N/A	
Was waste observed outside of the approved fill area?	Yes	→ minor windblown litter
were any unapproved wastes deposited or observed at the site?	No	
Are onsite structures in good condition?	Yes	
Methane monitoring in on site structures? <i>methane</i>	Yes	Attendant Shed Vapour Monitoring: Hex: <i>NG</i> ME: <i>NE</i> PID: <i>NE</i>

General Comments


Signature

Appendix H

Laboratory Certificates of Analyses

C.O.C.: G108754

REPORT No. B22-12186

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: 28-Apr-22

JOB/PROJECT NO.: 1038-Escott

DATE REPORTED: 09-May-22

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

			Client I.D.		22-W009	22-W003	22-W005	22-W017
			Sample I.D.		B22-12186-1	B22-12186-2	B22-12186-3	B22-12186-4
			Date Collected		28-Apr-22	28-Apr-22	28-Apr-22	28-Apr-22
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	29-Apr-22/O	421	136	187	118
pH @25°C	pH Units		SM 4500H	29-Apr-22/O	8.14	7.24	7.06	7.18
Conductivity @25°C	µmho/cm	1	SM 2510B	29-Apr-22/O	909	306	396	283
Chloride	mg/L	0.5	SM4110C	29-Apr-22/O	33.8	9.7	4.6	11.7
Nitrite (N)	mg/L	0.05	SM4110C	29-Apr-22/O	< 0.05	< 0.05	< 0.05	< 0.05
Nitrate (N)	mg/L	0.05	SM4110C	29-Apr-22/O	< 0.05	0.05	0.63	< 0.05
Sulphate	mg/L	1	SM4110C	29-Apr-22/O	17	8	11	6
BOD(5 day)	mg/L	3	SM 5210B	02-May-22/K	< 3	< 3	< 3	< 3
Total Suspended Solids	mg/L	3	SM2540D	02-May-22/K	30	4	5	10
o-Phosphate (P)	mg/L	0.002	PE4500-S	02-May-22/K	0.027	0.027	0.019	0.034
Phosphorus-Total	mg/L	0.01	E3516.2	02-May-22/K	0.05	0.04	0.03	0.09
Total Kjeldahl Nitrogen	mg/L	0.1	E3516.2	02-May-22/K	0.5	0.6	0.2	0.7
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	02-May-22/K	< 0.01	< 0.01	< 0.01	< 0.01
Ammonia (N)-unionized	mg/L	0.01	CALC	02-May-22/K	< 0.01	< 0.01	< 0.01	< 0.01
Total Dissolved Solids	mg/L	3	SM 2540D	03-May-22/O	482	157	204	145
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	29-Apr-22/O	14.8	14.8	5.1	11.6
Phenolics	mg/L	0.001	MOEE 3179	02-May-22/K	< 0.001	< 0.001	< 0.001	< 0.001
COD	mg/L	5	SM5220C	02-May-22/K	16	28	6	30
Hardness (as CaCO3)	mg/L	1	SM 3120	05-May-22/O	437	144	203	122
Aluminum	mg/L	0.01	SM 3120	03-May-22/O	0.04	0.03	0.02	0.03
Arsenic	mg/L	0.0001	EPA 200.8	03-May-22/O	0.0002	0.0002	0.0001	0.0003
Barium	mg/L	0.001	SM 3120	05-May-22/O	0.091	0.044	0.041	0.039
Boron	mg/L	0.005	SM 3120	05-May-22/O	0.460	0.010	0.022	0.008
Cadmium	mg/L	0.000015	EPA 200.8	03-May-22/O	0.000020	0.000025	0.000015	0.000031
Calcium	mg/L	0.02	SM 3120	05-May-22/O	106	36.0	47.2	30.6
Chromium	mg/L	0.001	EPA 200.8	03-May-22/O	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	mg/L	0.0001	EPA 200.8	03-May-22/O	0.0003	0.0002	0.0003	0.0003

M. Dubien

R.L. = Reporting Limit

Test methods may be modified from specified reference method unless indicated by an *

Site Analyzed=K-Kingston, W-Windsor, O-Ottawa, R-Richmond Hill, B-Barrie

Michelle Dubien
Lab Manager

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C.O.C.: G108754

REPORT No. B22-12186

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: 28-Apr-22

JOB/PROJECT NO.: 1038-Escott

DATE REPORTED: 09-May-22

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

			Client I.D.		22-W009	22-W003	22-W005	22-W017
			Sample I.D.		B22-12186-1	B22-12186-2	B22-12186-3	B22-12186-4
			Date Collected		28-Apr-22	28-Apr-22	28-Apr-22	28-Apr-22
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Copper	mg/L	0.0001	EPA 200.8	03-May-22/O	0.0011	0.0026	0.0013	0.0024
Iron	mg/L	0.005	SM 3120	05-May-22/O	0.191	0.389	0.451	0.548
Lead	mg/L	0.00002	EPA 200.8	03-May-22/O	0.00012	0.00015	0.00019	0.00024
Magnesium	mg/L	0.02	SM 3120	05-May-22/O	42.2	13.2	20.7	11.1
Manganese	mg/L	0.001	SM 3120	05-May-22/O	0.106	0.012	0.014	0.015
Mercury	mg/L	0.00002	SM 3112 B	04-May-22/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Nickel	mg/L	0.01	SM 3120	05-May-22/O	< 0.01	< 0.01	< 0.01	< 0.01
Potassium	mg/L	0.1	SM 3120	05-May-22/O	4.2	2.5	0.7	3.5
Silicon	mg/L	0.01	SM 3120	05-May-22/O	4.93	2.60	7.97	2.89
Silver	mg/L	0.0001	EPA 200.8	03-May-22/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	05-May-22/O	36.3	7.2	6.2	6.8
Uranium	mg/L	0.00005	EPA 200.8	03-May-22/O	0.00449	0.00176	0.00163	0.00190
Zinc	mg/L	0.005	SM 3120	05-May-22/O	0.006	0.007	0.007	0.007

M. Dubien

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Michelle Dubien
Lab Manager

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C.O.C.: G108752

REPORT No. B22-12189 (i)

Report To:

Malroz Engineering Inc.
308 Wellington Street, 2nd Floor
Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
Kingston Ontario K7K 6Z1
Tel: 613-544-2001
Fax: 613-544-2770

DATE RECEIVED: 28-Apr-22

JOB/PROJECT NO.: 1038-Escott

DATE REPORTED: 09-May-22

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

			Client I.D.		22-W001	22-W002	22-W004	22-W006
			Sample I.D.		B22-12189-1	B22-12189-2	B22-12189-3	B22-12189-4
			Date Collected		28-Apr-22	28-Apr-22	28-Apr-22	28-Apr-22
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	02-May-22/O	291	318	205	285
pH @25°C	pH Units		SM 4500H	02-May-22/O	7.83	7.78	7.74	7.59
Conductivity @25°C	µmho/cm	1	SM 2510B	02-May-22/O	672	744	455	682
Chloride	mg/L	0.5	SM4110C	02-May-22/O	11.6	21.4	3.0	21.0
Nitrite (N)	mg/L	0.05	SM4110C	02-May-22/O	< 0.05	< 0.05	< 0.05	< 0.05
Nitrate (N)	mg/L	0.05	SM4110C	02-May-22/O	1.55	< 0.05	< 0.05	0.06
Sulphate	mg/L	1	SM4110C	02-May-22/O	37	47	28	36
BOD(5 day)	mg/L	3	SM 5210B	29-Apr-22/K	< 3	< 3	5	< 3
Total Suspended Solids	mg/L	3	SM2540D	02-May-22/K	64000	200	164000	16000
Phosphorus-Total	mg/L	0.01	E3516.2	02-May-22/K	3.31	0.07	39.5	10.5
Total Kjeldahl Nitrogen	mg/L	0.1	E3516.2	02-May-22/K	< 1	0.2	4.9	1.6
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	02-May-22/K	0.11	0.03	0.10	0.21
Total Dissolved Solids	mg/L	3	SM 2540D	03-May-22/O	349	388	235	354
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	02-May-22/O	2.8	3.3	2.8	5.1
Phenolics	mg/L	0.001	MOEE 3179	02-May-22/K	< 0.001	< 0.001	< 0.001	< 0.001
COD	mg/L	5	SM5220C	02-May-22/K	313	< 5	936	161
Hardness (as CaCO3)	mg/L	1	SM 3120	03-May-22/O	349	302	228	337
Aluminum	mg/L	0.01	SM 3120	03-May-22/O	0.03	0.03	0.03	0.03
Antimony	mg/L	0.0001	EPA 200.8	03-May-22/O	< 0.0001	< 0.0001	0.0003	< 0.0001
Arsenic	mg/L	0.0001	EPA 200.8	03-May-22/O	0.0004	0.0003	0.0037	0.0013
Barium	mg/L	0.001	SM 3120	03-May-22/O	0.185	0.120	0.265	0.082
Beryllium	mg/L	0.002	SM 3120	03-May-22/O	< 0.002	< 0.002	< 0.002	< 0.002
Boron	mg/L	0.005	SM 3120	03-May-22/O	0.124	0.186	0.069	0.150
Cadmium	mg/L	0.000015	EPA 200.8	03-May-22/O	< 0.000015	< 0.000015	< 0.000015	< 0.000015
Calcium	mg/L	0.02	SM 3120	03-May-22/O	97.9	90.3	62.9	95.8
Chromium	mg/L	0.001	EPA 200.8	03-May-22/O	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	mg/L	0.0001	EPA 200.8	03-May-22/O	0.0001	0.0002	0.0001	0.0004

M. Dubien

R.L. = Reporting Limit

Test methods may be modified from specified reference method unless indicated by an *

Site Analyzed=K-Kingston, W-Windsor, O-Ottawa, R-Richmond Hill, B-Barrie

Michelle Dubien
Lab Manager

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C.O.C.: G108752

REPORT No. B22-12189 (i)

Report To:

Malroz Engineering Inc.
308 Wellington Street, 2nd Floor
Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
Kingston Ontario K7K 6Z1
Tel: 613-544-2001
Fax: 613-544-2770

DATE RECEIVED: 28-Apr-22

JOB/PROJECT NO.: 1038-Escott

DATE REPORTED: 09-May-22

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

			Client I.D.		22-W001	22-W002	22-W004	22-W006
			Sample I.D.		B22-12189-1	B22-12189-2	B22-12189-3	B22-12189-4
			Date Collected		28-Apr-22	28-Apr-22	28-Apr-22	28-Apr-22
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Copper	mg/L	0.0001	EPA 200.8	03-May-22/O	0.0012	0.0002	0.0003	0.0007
Iron	mg/L	0.005	SM 3120	03-May-22/O	< 0.005	0.202	0.064	0.434
Lead	mg/L	0.00002	EPA 200.8	03-May-22/O	0.00003	< 0.00002	0.00004	0.00011
Magnesium	mg/L	0.02	SM 3120	03-May-22/O	25.3	18.5	17.1	23.7
Manganese	mg/L	0.001	SM 3120	03-May-22/O	0.023	0.251	0.023	0.176
Mercury	mg/L	0.00002	SM 3112 B	04-May-22/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Molybdenum	mg/L	0.01	SM 3120	03-May-22/O	< 0.01	< 0.01	< 0.01	< 0.01
Nickel	mg/L	0.01	SM 3120	03-May-22/O	< 0.01	< 0.01	< 0.01	< 0.01
Potassium	mg/L	0.1	SM 3120	03-May-22/O	2.4	2.4	2.0	3.2
Selenium	mg/L	0.001	EPA 200.8	03-May-22/O	< 0.001	< 0.001	< 0.001	< 0.001
Silicon	mg/L	0.01	SM 3120	03-May-22/O	7.58	7.62	11.4	6.44
Silver	mg/L	0.0001	EPA 200.8	03-May-22/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	03-May-22/O	10.7	10.5	5.9	10.4
Strontium	mg/L	0.001	SM 3120	03-May-22/O	1.40	1.97	0.594	1.59
Thallium	mg/L	0.00005	EPA 200.8	03-May-22/O	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Tin	mg/L	0.05	SM 3120	03-May-22/O	< 0.05	< 0.05	< 0.05	< 0.05
Titanium	mg/L	0.005	SM 3120	03-May-22/O	< 0.005	< 0.005	< 0.005	< 0.005
Tungsten	mg/L	0.01	SM 3120	03-May-22/O	< 0.01	< 0.01	< 0.01	< 0.01
Vanadium	mg/L	0.0001	EPA 200.8	03-May-22/O	0.0009	0.0003	0.0006	0.0003
Uranium	mg/L	0.00005	EPA 200.8	03-May-22/O	0.0227	0.0189	0.00024	0.0160
Zinc	mg/L	0.005	SM 3120	03-May-22/O	< 0.005	< 0.005	< 0.005	< 0.005

1. Elevated R.Ls due to sample matrix interferences

M. Dubien

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JOB/PROJECT NO.: 1038-Escott

DATE REPORTED: 09-May-22

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

			Client I.D.	22-W007	22-W008	22-W010	22-W011
			Sample I.D.	B22-12189-5	B22-12189-6	B22-12189-7	B22-12189-8
			Date Collected	28-Apr-22	28-Apr-22	28-Apr-22	28-Apr-22
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	02-May-22/O	166	344	232
pH @25°C	pH Units		SM 4500H	02-May-22/O	7.46	8.04	7.90
Conductivity @25°C	µmho/cm	1	SM 2510B	02-May-22/O	359	681	466
Chloride	mg/L	0.5	SM4110C	02-May-22/O	4.4	2.5	1.3
Nitrite (N)	mg/L	0.05	SM4110C	02-May-22/O	< 0.05	< 0.05	< 0.05
Nitrate (N)	mg/L	0.05	SM4110C	02-May-22/O	< 0.05	0.77	< 0.05
Sulphate	mg/L	1	SM4110C	02-May-22/O	14	17	10
BOD(5 day)	mg/L	3	SM 5210B	29-Apr-22/K	< 3	< 3	< 3
Total Suspended Solids	mg/L	3	SM2540D	02-May-22/K	9	1780	580
Phosphorus-Total	mg/L	0.01	E3516.2	02-May-22/K	0.02	2.12	0.53
Total Kjeldahl Nitrogen	mg/L	0.1	E3516.2	02-May-22/K	0.1	< 1	0.2
Ammonia (N)-Total	mg/L	0.01	SM4500-NH ₃ -H	02-May-22/K	< 0.01	0.11	0.01
Total Dissolved Solids	mg/L	3	SM 2540D	03-May-22/O	185	354	241
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	02-May-22/O	7.2	4.7	2.8
Phenolics	mg/L	0.001	MOEE 3179	02-May-22/K	< 0.001	< 0.001	< 0.001
COD	mg/L	5	SM5220C	02-May-22/K	10	12	< 5
Hardness (as CaCO ₃)	mg/L	1	SM 3120	03-May-22/O	176	358	250
Aluminum	mg/L	0.01	SM 3120	03-May-22/O	0.01	0.01	0.02
Antimony	mg/L	0.0001	EPA 200.8	03-May-22/O	< 0.0001	< 0.0001	< 0.0001
Arsenic	mg/L	0.0001	EPA 200.8	03-May-22/O	0.0003	0.0005	0.0004
Barium	mg/L	0.001	SM 3120	03-May-22/O	0.058	0.136	0.078
Beryllium	mg/L	0.002	SM 3120	03-May-22/O	< 0.002	< 0.002	< 0.002
Boron	mg/L	0.005	SM 3120	03-May-22/O	0.070	0.052	0.006
Cadmium	mg/L	0.000015	EPA 200.8	03-May-22/O	< 0.000015	< 0.000015	< 0.000015
Calcium	mg/L	0.02	SM 3120	03-May-22/O	52.5	46.6	59.6
Chromium	mg/L	0.001	EPA 200.8	03-May-22/O	< 0.001	0.001	< 0.001
Cobalt	mg/L	0.0001	EPA 200.8	03-May-22/O	< 0.0001	< 0.0001	< 0.0001

M. Dubien

R.L. = Reporting Limit

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Michelle Dubien
Lab Manager

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P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

			Client I.D.		22-W007	22-W008	22-W010	22-W011
			Sample I.D.		B22-12189-5	B22-12189-6	B22-12189-7	B22-12189-8
			Date Collected		28-Apr-22	28-Apr-22	28-Apr-22	28-Apr-22
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Copper	mg/L	0.0001	EPA 200.8	03-May-22/O	0.0002	0.0005	0.0004	0.0011
Iron	mg/L	0.005	SM 3120	03-May-22/O	0.044	< 0.005	< 0.005	< 0.005
Lead	mg/L	0.00002	EPA 200.8	03-May-22/O	< 0.00002	< 0.00002	0.00002	0.00003
Magnesium	mg/L	0.02	SM 3120	03-May-22/O	10.8	58.7	24.7	39.3
Manganese	mg/L	0.001	SM 3120	03-May-22/O	0.030	< 0.001	0.001	0.002
Mercury	mg/L	0.00002	SM 3112 B	04-May-22/O	< 0.00002	< 0.00002	0.00002	< 0.00002
Molybdenum	mg/L	0.01	SM 3120	03-May-22/O	< 0.01	< 0.01	< 0.01	< 0.01
Nickel	mg/L	0.01	SM 3120	03-May-22/O	< 0.01	< 0.01	< 0.01	< 0.01
Potassium	mg/L	0.1	SM 3120	03-May-22/O	2.3	2.5	1.3	1.2
Selenium	mg/L	0.001	EPA 200.8	03-May-22/O	< 0.001	0.001	< 0.001	< 0.001
Silicon	mg/L	0.01	SM 3120	03-May-22/O	5.60	6.96	10.4	9.29
Silver	mg/L	0.0001	EPA 200.8	03-May-22/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	03-May-22/O	7.2	19.8	5.4	8.6
Strontium	mg/L	0.001	SM 3120	03-May-22/O	1.10	1.05	0.140	0.355
Thallium	mg/L	0.00005	EPA 200.8	03-May-22/O	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Tin	mg/L	0.05	SM 3120	03-May-22/O	< 0.05	< 0.05	< 0.05	< 0.05
Titanium	mg/L	0.005	SM 3120	03-May-22/O	< 0.005	< 0.005	< 0.005	< 0.005
Tungsten	mg/L	0.01	SM 3120	03-May-22/O	< 0.01	< 0.01	< 0.01	< 0.01
Vanadium	mg/L	0.0001	EPA 200.8	03-May-22/O	0.0002	0.0019	0.0009	0.0013
Uranium	mg/L	0.00005	EPA 200.8	03-May-22/O	0.00683	0.00455	0.00050	0.00145
Zinc	mg/L	0.005	SM 3120	03-May-22/O	< 0.005	< 0.005	< 0.005	< 0.005

1 Elevated R.Ls due to sample matrix interferences

M. Dubien

R.L. = Reporting Limit

Test methods may be modified from specified reference method unless indicated by an *

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

Michelle Dubien
Lab Manager

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C.O.C.: G108752

REPORT No. B22-12189 (i)

Report To:

Malroz Engineering Inc.
308 Wellington Street, 2nd Floor
Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
Kingston Ontario K7K 6Z1
Tel: 613-544-2001
Fax: 613-544-2770

DATE RECEIVED: 28-Apr-22

JOB/PROJECT NO.: 1038-Escott

DATE REPORTED: 09-May-22

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

			Client I.D.		22-W012	22-W013	22-W014	22-W015
			Sample I.D.		B22-12189-9	B22-12189-10	B22-12189-11	B22-12189-12
			Date Collected		28-Apr-22	28-Apr-22	28-Apr-22	28-Apr-22
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	02-May-22/O	892	1080	359	326
pH @25°C	pH Units		SM 4500H	02-May-22/O	7.33	7.31	8.02	7.82
Conductivity @25°C	µmho/cm	1	SM 2510B	02-May-22/O	1960	2190	711	710
Chloride	mg/L	0.5	SM4110C	02-May-22/O	72.3	74.9	2.5	21.1
Nitrite (N)	mg/L	0.05	SM4110C	02-May-22/O	< 0.05	< 0.05	< 0.05	< 0.05
Nitrate (N)	mg/L	0.05	SM4110C	02-May-22/O	< 0.05	< 0.05	< 0.05	0.52
Sulphate	mg/L	1	SM4110C	02-May-22/O	111	101	13	16
BOD(5 day)	mg/L	3	SM 5210B	29-Apr-22/K	< 3	< 3	< 3	< 3
Total Suspended Solids	mg/L	3	SM2540D	02-May-22/K	24	15900	1840	4
Phosphorus-Total	mg/L	0.01	E3516.2	02-May-22/K	0.03	41.6	1.37	< 0.01
Total Kjeldahl Nitrogen	mg/L	0.1	E3516.2	02-May-22/K	3.0	6.9	0.3	0.2
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	02-May-22/K	2.76	2.87	0.06	< 0.01
Total Dissolved Solids	mg/L	3	SM 2540D	03-May-22/O	1080	1210	369	369
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	02-May-22/O	14.0	11.3	2.5	4.3
Phenolics	mg/L	0.001	MOEE 3179	02-May-22/K	< 0.001	< 0.001	< 0.001	< 0.001
COD	mg/L	5	SM5220C	02-May-22/K	23	491	< 5	< 5
Hardness (as CaCO3)	mg/L	1	SM 3120	03-May-22/O	1010	1200	365	363
Aluminum	mg/L	0.01	SM 3120	03-May-22/O	0.08	0.05	0.02	0.03
Antimony	mg/L	0.0001	EPA 200.8	03-May-22/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Arsenic	mg/L	0.0001	EPA 200.8	03-May-22/O	0.0014	0.0016	0.0015	< 0.0001
Barium	mg/L	0.001	SM 3120	03-May-22/O	0.346	0.652	0.237	0.157
Beryllium	mg/L	0.002	SM 3120	03-May-22/O	< 0.002	< 0.002	< 0.002	< 0.002
Boron	mg/L	0.005	SM 3120	03-May-22/O	0.621	0.465	0.027	0.018
Cadmium	mg/L	0.000015	EPA 200.8	03-May-22/O	< 0.000029	< 0.000029	< 0.000015	< 0.000015
Calcium	mg/L	0.02	SM 3120	03-May-22/O	238	177	58.2	82.9
Chromium	mg/L	0.001	EPA 200.8	03-May-22/O	< 0.001	0.001	< 0.001	< 0.001

M. Dubien

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Lab Manager

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Tel: 613-544-2001
Fax: 613-544-2770

DATE RECEIVED: 28-Apr-22

JOB/PROJECT NO.: 1038-Escott

DATE REPORTED: 09-May-22

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

			Client I.D.		22-W012	22-W013	22-W014	22-W015
			Sample I.D.		B22-12189-9	B22-12189-10	B22-12189-11	B22-12189-12
			Date Collected		28-Apr-22	28-Apr-22	28-Apr-22	28-Apr-22
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Cobalt	mg/L	0.0001	EPA 200.8	03-May-22/O	0.0107	0.0022	0.0002	< 0.0001
Copper	mg/L	0.0001	EPA 200.8	03-May-22/O	0.0010	0.0002	0.0004	0.0012
Iron	mg/L	0.005	SM 3120	03-May-22/O	3.13	3.48	< 0.005	< 0.005
Lead	mg/L	0.00002	EPA 200.8	03-May-22/O	< 0.00009	< 0.00009	0.00002	< 0.00002
Magnesium	mg/L	0.02	SM 3120	03-May-22/O	102	184	53.5	37.9
Manganese	mg/L	0.001	SM 3120	03-May-22/O	3.44	0.664	0.019	< 0.001
Mercury	mg/L	0.00002	SM 3112 B	04-May-22/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Molybdenum	mg/L	0.01	SM 3120	03-May-22/O	< 0.01	< 0.01	< 0.01	< 0.01
Nickel	mg/L	0.01	SM 3120	03-May-22/O	< 0.01	< 0.01	< 0.01	< 0.01
Potassium	mg/L	0.1	SM 3120	03-May-22/O	5.4	6.4	2.6	2.2
Selenium	mg/L	0.001	EPA 200.8	03-May-22/O	0.003	0.003	< 0.001	< 0.001
Silicon	mg/L	0.01	SM 3120	03-May-22/O	13.1	15.2	13.4	9.31
Silver	mg/L	0.0001	EPA 200.8	03-May-22/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	03-May-22/O	75.2	54.6	17.4	13.9
Strontium	mg/L	0.001	SM 3120	03-May-22/O	1.23	1.14	0.668	0.360
Thallium	mg/L	0.00005	EPA 200.8	03-May-22/O	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Tin	mg/L	0.05	SM 3120	03-May-22/O	< 0.05	< 0.05	< 0.05	< 0.05
Titanium	mg/L	0.005	SM 3120	03-May-22/O	< 0.005	< 0.005	< 0.005	< 0.005
Tungsten	mg/L	0.01	SM 3120	03-May-22/O	< 0.01	< 0.01	< 0.01	< 0.01
Vanadium	mg/L	0.0001	EPA 200.8	03-May-22/O	0.0004	0.0005	0.0005	0.0003
Uranium	mg/L	0.00005	EPA 200.8	03-May-22/O	0.0137	0.0221	0.00110	0.00482
Zinc	mg/L	0.005	SM 3120	03-May-22/O	< 0.005	< 0.005	< 0.005	< 0.005

1. Elevated RLs due to sample matrix interferences

M. Dubien

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Michelle Dubien
Lab Manager

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Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
Kingston Ontario K7K 6Z1
Tel: 613-544-2001
Fax: 613-544-2770

DATE RECEIVED: 28-Apr-22

JOB/PROJECT NO.: 1038-Escott

DATE REPORTED: 09-May-22

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

			Client I.D.	22-W016			
			Sample I.D.	B22-12189-13			
			Date Collected	28-Apr-22			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	02-May-22/O	294		
pH @25°C	pH Units		SM 4500H	02-May-22/O	7.91		
Conductivity @25°C	µmho/cm	1	SM 2510B	02-May-22/O	566		
Chloride	mg/L	0.5	SM4110C	02-May-22/O	0.5		
Nitrite (N)	mg/L	0.05	SM4110C	02-May-22/O	< 0.05		
Nitrate (N)	mg/L	0.05	SM4110C	02-May-22/O	0.40		
Sulphate	mg/L	1	SM4110C	02-May-22/O	4		
BOD(5 day)	mg/L	3	SM 5210B	29-Apr-22/K	< 3		
Total Suspended Solids	mg/L	3	SM2540D	02-May-22/K	94		
Phosphorus-Total	mg/L	0.01	E3516.2	02-May-22/K	0.07		
Total Kjeldahl Nitrogen	mg/L	0.1	E3516.2	02-May-22/K	0.1		
Ammonia (N)-Total	mg/L	0.01	SM4500-NH ₃ -H	02-May-22/K	< 0.01		
Total Dissolved Solids	mg/L	3	SM 2540D	03-May-22/O	293		
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	02-May-22/O	3.9		
Phenolics	mg/L	0.001	MOEE 3179	02-May-22/K	< 0.001		
COD	mg/L	5	SM5220C	02-May-22/K	7		
Hardness (as CaCO ₃)	mg/L	1	SM 3120	03-May-22/O	292		
Aluminum	mg/L	0.01	SM 3120	03-May-22/O	0.02		
Antimony	mg/L	0.0001	EPA 200.8	03-May-22/O	< 0.0001		
Arsenic	mg/L	0.0001	EPA 200.8	03-May-22/O	0.0001		
Barium	mg/L	0.001	SM 3120	03-May-22/O	0.048		
Beryllium	mg/L	0.002	SM 3120	03-May-22/O	< 0.002		
Boron	mg/L	0.005	SM 3120	03-May-22/O	< 0.005		
Cadmium	mg/L	0.000015	EPA 200.8	03-May-22/O	< 0.000015		
Calcium	mg/L	0.02	SM 3120	03-May-22/O	68.6		
Chromium	mg/L	0.001	EPA 200.8	03-May-22/O	0.001		

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JOB/PROJECT NO.: 1038-Escott

DATE REPORTED: 09-May-22

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

			Client I.D.	22-W016			
			Sample I.D.	B22-12189-13			
			Date Collected	28-Apr-22			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Cobalt	mg/L	0.0001	EPA 200.8	03-May-22/O	< 0.0001		
Copper	mg/L	0.0001	EPA 200.8	03-May-22/O	0.0009		
Iron	mg/L	0.005	SM 3120	03-May-22/O	< 0.005		
Lead	mg/L	0.00002	EPA 200.8	03-May-22/O	0.00002		
Magnesium	mg/L	0.02	SM 3120	03-May-22/O	29.4		
Manganese	mg/L	0.001	SM 3120	03-May-22/O	< 0.001		
Mercury	mg/L	0.00002	SM 3112 B	04-May-22/O	< 0.00002		
Molybdenum	mg/L	0.01	SM 3120	03-May-22/O	< 0.01		
Nickel	mg/L	0.01	SM 3120	03-May-22/O	< 0.01		
Potassium	mg/L	0.1	SM 3120	03-May-22/O	0.4		
Selenium	mg/L	0.001	EPA 200.8	03-May-22/O	< 0.001		
Silicon	mg/L	0.01	SM 3120	03-May-22/O	8.25		
Silver	mg/L	0.0001	EPA 200.8	03-May-22/O	< 0.0001		
Sodium	mg/L	0.2	SM 3120	03-May-22/O	11.3		
Strontium	mg/L	0.001	SM 3120	03-May-22/O	0.224		
Thallium	mg/L	0.00005	EPA 200.8	03-May-22/O	< 0.00005		
Tin	mg/L	0.05	SM 3120	03-May-22/O	< 0.05		
Titanium	mg/L	0.005	SM 3120	03-May-22/O	< 0.005		
Tungsten	mg/L	0.01	SM 3120	03-May-22/O	< 0.01		
Vanadium	mg/L	0.0001	EPA 200.8	03-May-22/O	0.0008		
Uranium	mg/L	0.00005	EPA 200.8	03-May-22/O	0.00117		
Zinc	mg/L	0.005	SM 3120	03-May-22/O	< 0.005		

1. Elevated RLs due to sample matrix interferences



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Michelle Dubien
Lab Manager

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REPORT No. B22-12189 (ii)

Report To:

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308 Wellington Street, 2nd Floor
Kingston ON K7K 7A8 Canada

Attention: Mallory Wright

Caduceon Environmental Laboratories

285 Dalton Ave
Kingston Ontario K7K 6Z1
Tel: 613-544-2001
Fax: 613-544-2770

DATE RECEIVED: 28-Apr-22

JOB/PROJECT NO.: 1038-Escott

DATE REPORTED: 09-May-22

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

			Client I.D.	22-W012	22-W013		
			Sample I.D.	B22-12189-9	B22-12189-10		
			Date Collected	28-Apr-22	28-Apr-22		
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Acetone	µg/L	30	EPA 8260	04-May-22/R	< 30	< 30	
Benzene	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	0.6	
Bromodichloromethane	µg/L	2	EPA 8260	04-May-22/R	< 2	< 2	
Bromoform	µg/L	5	EPA 8260	04-May-22/R	< 5	< 5	
Bromomethane	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Carbon Tetrachloride	µg/L	0.2	EPA 8260	04-May-22/R	< 0.2	< 0.2	
Monochlorobenzene (Chlorobenzene)	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Chloroethane	µg/L	3	EPA 8260	04-May-22/R	< 3	< 3	
Chloroform	µg/L	1	EPA 8260	04-May-22/R	< 1	< 1	
Chloromethane	µg/L	2	EPA 8260	04-May-22/R	< 2	< 2	
Dibromochloromethane	µg/L	2	EPA 8260	04-May-22/R	< 2	< 2	
Dichlorobenzene, 1,2-	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Dichlorobenzene, 1,3-	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Dichlorobenzene, 1,4-	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Dichlorodifluoromethane	µg/L	2	EPA 8260	04-May-22/R	< 2	< 2	
Dichloroethane, 1,1-	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Dichloroethane, 1,2-	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Dichloroethene, 1-2-Total	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Dichloroethylene, 1,1-	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Dichloroethene, cis-1,2-	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Dichloroethene, trans-1,2-	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Dichloropropane, 1,2-	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Dichloropropene 1,3- cis+trans	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Dichloropropene, trans-1,3-	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Dichloropropene, cis-1,3-	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	

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Fax: 613-544-2770

DATE RECEIVED: 28-Apr-22

JOB/PROJECT NO.: 1038-Escott

DATE REPORTED: 09-May-22

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

			Client I.D.	22-W012	22-W013		
			Sample I.D.	B22-12189-9	B22-12189-10		
			Date Collected	28-Apr-22	28-Apr-22		
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Ethylbenzene	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Dibromoethane,1,2-(Ethylene Dibromide)	µg/L	0.2	EPA 8260	04-May-22/R	< 0.2	< 0.2	
Hexane	µg/L	5	EPA 8260	04-May-22/R	< 5	< 5	
Methyl Butyl Ketone	µg/L	5	EPA 8260	04-May-22/R	< 5	< 5	
Methyl Ethyl Ketone	µg/L	20	EPA 8260	04-May-22/R	< 20	< 20	
Methyl Isobutyl Ketone	µg/L	20	EPA 8260	04-May-22/R	< 20	< 20	
Methyl-t-butyl Ether	µg/L	2	EPA 8260	04-May-22/R	< 2	< 2	
Dichloromethane (Methylene Chloride)	µg/L	5	EPA 8260	04-May-22/R	< 5	< 5	
Styrene	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Tetrachloroethane,1,1,1,2-	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Tetrachloroethane,1,1,2,2-	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Tetrachloroethylene	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Toluene	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Trichloroethane,1,1,1-	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Trichloroethane,1,1,2-	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Trichloroethylene	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Trichlorofluoromethane	µg/L	5	EPA 8260	04-May-22/R	< 5	< 5	
Trimethylbenzene,1,3,5-	µg/L	0.1	EPA 8260	04-May-22/R	< 0.1	< 0.1	
Vinyl Chloride	µg/L	0.2	EPA 8260	04-May-22/R	< 0.2	< 0.2	
Xylene, m,p-	µg/L	1.0	EPA 8260	04-May-22/R	< 1.0	< 1.0	
Xylene, o-	µg/L	0.5	EPA 8260	04-May-22/R	< 0.5	< 0.5	
Xylene, m,p,o-	µg/L	1.1	EPA 8260	04-May-22/R	< 1.1	< 1.1	

M. Dubien

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Lab Manager

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C.O.C.: G102741

REPORT No. B22-32763

Report To:

Malroz Engineering Inc.
308 Wellington Street, 2nd Floor
Kingston ON K7K 7A8 Canada

Attention: John Pyke

Caduceon Environmental Laboratories

285 Dalton Ave
Kingston Ontario K7K 6Z1
Tel: 613-544-2001
Fax: 613-544-2770

DATE RECEIVED: 24-Oct-22

JOB/PROJECT NO.: 1038-Escott

DATE REPORTED: 21-Nov-22

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

					Client I.D.	22-W022	22-W023	22-W027	22-W033
					Sample I.D.	B22-32763-1	B22-32763-2	B22-32763-3	B22-32763-4
					Date Collected	24-Oct-22	24-Oct-22	24-Oct-22	24-Oct-22
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed					
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	26-Oct-22/O	143	132	270	93	
pH @25°C	pH Units		SM 4500H	26-Oct-22/O	7.62	7.62	8.11	7.57	
Conductivity @25°C	µmho/cm	1	SM 2510B	26-Oct-22/O	359	363	669	270	
Chloride	mg/L	0.5	SM4110C	04-Nov-22/O	6.1	13.9	48.4	13.2	
Nitrate (N)	mg/L	0.05	SM4110C	04-Nov-22/O	0.82	0.49	0.19	0.07	
Nitrite (N)	mg/L	0.05	SM4110C	04-Nov-22/O	< 0.05	< 0.05	< 0.05	< 0.05	
Sulphate	mg/L	1	SM4110C	04-Nov-22/O	25	48	54	35	
BOD(5 day)	mg/L	3	SM 5210B	09-Nov-22/K	< 3	3	5	< 3	
Total Suspended Solids	mg/L	3	SM2540D	31-Oct-22/K	8	115	960	10	
o-Phosphate (P)	mg/L	0.002	PE4500-S	28-Oct-22/K	0.101	0.070	0.062	0.097	
Phosphorus-Total	mg/L	0.01	E3516.2	14-Nov-22/K	0.14	0.18	2.68	0.14	
Total Kjeldahl Nitrogen	mg/L	0.1	E3516.2	14-Nov-22/K	1.0	1.4	10.3	1.1	
Ammonia (N)-Total	mg/L	0.01	SM4500-NH ₃ -H	28-Oct-22/K	0.04	0.05	0.02	0.03	
Ammonia (N)-unionized	mg/L	0.01	CALC	28-Oct-22/K	< 0.01	< 0.01	< 0.01	< 0.01	
Total Dissolved Solids	mg/L	3	SM 2540D	27-Oct-22/O	185	187	347	138	
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	28-Oct-22/O	13.4	17.1	10.0	17.0	
Phenolics	mg/L	0.001	MOEE 3179	10-Nov-22/K	< 0.001	< 0.001	< 0.001	< 0.001	
COD	mg/L	5	SM5220C	18-Nov-22/K	28	47	294	35	
Hardness (as CaCO ₃)	mg/L	1	SM 3120	04-Nov-22/O	175	174	301	125	
Aluminum	mg/L	0.01	SM 3120	02-Nov-22/O	0.06	0.08	0.02	0.05	
Arsenic	mg/L	0.0001	EPA 200.8	31-Oct-22/O	0.0003	0.0005	0.0015	0.0004	
Barium	mg/L	0.001	SM 3120	04-Nov-22/O	0.071	0.080	0.546	0.061	
Boron	mg/L	0.005	SM 3120	04-Nov-22/O	0.078	0.006	0.600	< 0.005	
Cadmium	mg/L	0.000015	EPA 200.8	31-Oct-22/O	0.000056	0.000072	0.000667	0.000068	
Calcium	mg/L	0.02	SM 3120	04-Nov-22/O	41.0	41.6	89.3	31.0	
Chromium	mg/L	0.001	EPA 200.8	31-Oct-22/O	0.002	0.003	0.026	0.002	
Cobalt	mg/L	0.0001	EPA 200.8	31-Oct-22/O	0.0006	0.0011	0.0123	0.0005	

M. Dubien

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.: G102741

REPORT No. B22-32763

Report To:

Malroz Engineering Inc.
308 Wellington Street, 2nd Floor
Kingston ON K7K 7A8 Canada

Attention: John Pyke

Caduceon Environmental Laboratories

285 Dalton Ave
Kingston Ontario K7K 6Z1
Tel: 613-544-2001
Fax: 613-544-2770

DATE RECEIVED: 24-Oct-22

JOB/PROJECT NO.: 1038-Escott

DATE REPORTED: 21-Nov-22

P.O. NUMBER:

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

			Client I.D.		22-W022	22-W023	22-W027	22-W033
			Sample I.D.		B22-32763-1	B22-32763-2	B22-32763-3	B22-32763-4
			Date Collected		24-Oct-22	24-Oct-22	24-Oct-22	24-Oct-22
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Copper	mg/L	0.0001	EPA 200.8	31-Oct-22/O	0.0065	0.0070	0.0193	0.0077
Iron	mg/L	0.005	SM 3120	04-Nov-22/O	1.35	1.77	24.8	0.897
Lead	mg/L	0.00002	EPA 200.8	31-Oct-22/O	0.00051	0.00072	0.0125	0.00053
Magnesium	mg/L	0.02	SM 3120	04-Nov-22/O	17.6	15.9	39.4	11.3
Manganese	mg/L	0.001	SM 3120	04-Nov-22/O	0.025	0.107	7.25	0.026
Mercury	mg/L	0.00002	SM 3112 B	27-Oct-22/O	< 0.00002	< 0.00002	0.00002	< 0.00002
Nickel	mg/L	0.01	SM 3120	04-Nov-22/O	< 0.01	< 0.01	0.03	< 0.01
Potassium	mg/L	0.1	SM 3120	04-Nov-22/O	1.8	3.3	8.2	4.4
Silicon	mg/L	0.01	SM 3120	04-Nov-22/O	5.00	4.99	22.1	4.11
Silver	mg/L	0.0001	EPA 200.8	31-Oct-22/O	< 0.0001	< 0.0001	0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	04-Nov-22/O	8.6	7.9	30.7	5.8
Uranium	mg/L	0.00005	EPA 200.8	31-Oct-22/O	0.00212	0.00171	0.00405	0.00125
Vanadium	mg/L	0.0001	EPA 200.8	31-Oct-22/O	0.0048	0.0047	0.0343	0.0037
Zinc	mg/L	0.005	SM 3120	04-Nov-22/O	0.013	0.014	0.166	0.014

M. Dubien

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Michelle Dubien
Lab Manager

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C.O.C.: G102737

REPORT No. B22-32764

Report To:

Malroz Engineering Inc.
308 Wellington Street, 2nd Floor
Kingston ON K7K 7A8 Canada
Attention: John Pyke

Caduceon Environmental Laboratories

285 Dalton Ave
Kingston Ontario K7K 6Z1
Tel: 613-544-2001
Fax: 613-544-2770

DATE RECEIVED: 24-Oct-22

JOB/PROJECT NO.: 1038-Escott

DATE REPORTED: 21-Nov-22

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

			Client I.D.		22-W018	22-W019	22-W020	22-W021
			Sample I.D.		B22-32764-1	B22-32764-2	B22-32764-3	B22-32764-4
			Date Collected		24-Oct-22	24-Oct-22	24-Oct-22	24-Oct-22
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	27-Oct-22/O	287	339	369	209
pH @25°C	pH Units		SM 4500H	27-Oct-22/O	7.89	7.88	7.93	8.03
Conductivity @25°C	µmho/cm	1	SM 2510B	27-Oct-22/O	615	742	813	443
Chloride	mg/L	0.5	SM4110C	03-Nov-22/O	18.1	18.2	25.2	2.5
Nitrate (N)	mg/L	0.05	SM4110C	03-Nov-22/O	< 0.05	0.44	< 0.05	< 0.05
Nitrite (N)	mg/L	0.05	SM4110C	03-Nov-22/O	< 0.05	< 0.05	< 0.05	< 0.05
Sulphate	mg/L	1	SM4110C	03-Nov-22/O	24	45	43	29
BOD(5 day)	mg/L	3	SM 5210B	09-Nov-22/K	< 3	< 3	< 3	< 3
Total Suspended Solids	mg/L	3	SM2540D	31-Oct-22/K	2530	50100	56	38600
Phosphorus-Total	mg/L	0.01	E3516.2	11-Nov-22/K	1.85	30.5	0.02	88.8
Total Kjeldahl Nitrogen	mg/L	0.1	E3516.2	11-Nov-22/K	0.3	< 10	0.2	< 10
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	31-Oct-22/K	0.12	0.05	0.08	0.16
Total Dissolved Solids	mg/L	3	SM 2540D	31-Oct-22/O	319	387	428	229
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	28-Oct-22/O	3.9	2.7	2.9	2.0
Phenolics	mg/L	0.001	MOEE 3179	07-Nov-22/K	< 0.001	< 0.001	< 0.001	< 0.001
COD	mg/L	5	SM5220C	18-Nov-22/K	45	221	< 5	718
Hardness (as CaCO3)	mg/L	1	SM 3120	03-Nov-22/O	326	389	426	238
Aluminum	mg/L	0.01	SM 3120	03-Nov-22/O	0.06	0.06	0.08	0.05
Antimony	mg/L	0.0001	EPA 200.8	01-Nov-22/O	< 0.0001	0.0001	< 0.0001	0.0003
Arsenic	mg/L	0.0001	EPA 200.8	01-Nov-22/O	0.0004	0.0006	0.0004	0.0046
Barium	mg/L	0.001	SM 3120	03-Nov-22/O	0.066	0.201	0.168	0.259
Beryllium	mg/L	0.002	SM 3120	03-Nov-22/O	< 0.002	< 0.002	< 0.002	< 0.002
Boron	mg/L	0.005	SM 3120	03-Nov-22/O	0.149	0.168	0.252	0.073
Cadmium	mg/L	0.000010	EPA 200.8	01-Nov-22/O	< 0.000010	< 0.000010	< 0.000010	< 0.000010
Calcium	mg/L	0.02	SM 3120	03-Nov-22/O	93.1	111	123	66.9
Chromium	mg/L	0.001	EPA 200.8	01-Nov-22/O	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	mg/L	0.0001	EPA 200.8	01-Nov-22/O	0.0003	0.0001	0.0004	< 0.0001

M. Dubien

R.L. = Reporting Limit

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Michelle Dubien
Lab Manager

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C.O.C.: G102737

REPORT No. B22-32764

Report To:

Malroz Engineering Inc.
308 Wellington Street, 2nd Floor
Kingston ON K7K 7A8 Canada

Attention: John Pyke

Caduceon Environmental Laboratories

285 Dalton Ave
Kingston Ontario K7K 6Z1
Tel: 613-544-2001
Fax: 613-544-2770

DATE RECEIVED: 24-Oct-22

JOB/PROJECT NO.: 1038-Escott

DATE REPORTED: 21-Nov-22

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

			Client I.D.		22-W018	22-W019	22-W020	22-W021
			Sample I.D.		B22-32764-1	B22-32764-2	B22-32764-3	B22-32764-4
			Date Collected		24-Oct-22	24-Oct-22	24-Oct-22	24-Oct-22
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Copper	mg/L	0.0001	EPA 200.8	01-Nov-22/O	0.0012	0.0011	0.0008	0.0002
Iron	mg/L	0.005	SM 3120	03-Nov-22/O	0.333	0.008	0.433	0.110
Lead	mg/L	0.00002	EPA 200.8	01-Nov-22/O	0.00008	0.00002	0.00004	0.00002
Magnesium	mg/L	0.02	SM 3120	03-Nov-22/O	22.7	27.1	28.8	17.1
Manganese	mg/L	0.001	SM 3120	03-Nov-22/O	0.163	0.030	0.299	0.032
Molybdenum	mg/L	0.01	SM 3120	03-Nov-22/O	< 0.01	< 0.01	< 0.01	< 0.01
Mercury	mg/L	0.00002	SM 3112 B	28-Oct-22/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Nickel	mg/L	0.01	SM 3120	03-Nov-22/O	< 0.01	< 0.01	< 0.01	< 0.01
Potassium	mg/L	0.1	SM 3120	03-Nov-22/O	3.2	2.5	3.3	1.9
Selenium	mg/L	0.001	EPA 200.8	01-Nov-22/O	< 0.001	< 0.001	< 0.001	< 0.001
Silicon	mg/L	0.01	SM 3120	03-Nov-22/O	3.90	5.30	5.14	6.87
Silver	mg/L	0.0001	EPA 200.8	01-Nov-22/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	03-Nov-22/O	10.0	16.8	15.5	6.1
Strontium	mg/L	0.001	SM 3120	03-Nov-22/O	1.48	1.66	3.04	0.614
Tin	mg/L	0.05	SM 3120	03-Nov-22/O	< 0.05	< 0.05	< 0.05	< 0.05
Titanium	mg/L	0.005	SM 3120	03-Nov-22/O	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	0.00005	EPA 200.8	01-Nov-22/O	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Tungsten	mg/L	0.01	SM 3120	03-Nov-22/O	< 0.01	< 0.01	< 0.01	< 0.01
Uranium	mg/L	0.00005	EPA 200.8	01-Nov-22/O	0.0130	0.0207	0.0261	0.00026
Vanadium	mg/L	0.0001	EPA 200.8	01-Nov-22/O	0.0002	0.0012	0.0003	0.0004
Zinc	mg/L	0.005	SM 3120	03-Nov-22/O	< 0.005	< 0.005	< 0.005	< 0.005

1. Elevated RLs due to sample matrix interferences



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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REPORT No. B22-32764

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308 Wellington Street, 2nd Floor
Kingston ON K7K 7A8 Canada
Attention: John Pyke

Caduceon Environmental Laboratories

285 Dalton Ave
Kingston Ontario K7K 6Z1
Tel: 613-544-2001
Fax: 613-544-2770

DATE RECEIVED: 24-Oct-22

JOB/PROJECT NO.: 1038-Escott

DATE REPORTED: 21-Nov-22

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

			Client I.D.	22-W024	22-W025	22-W026	22-W028
			Sample I.D.	B22-32764-5	B22-32764-6	B22-32764-7	B22-32764-8
			Date Collected	24-Oct-22	24-Oct-22	24-Oct-22	24-Oct-22
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	27-Oct-22/O	176	369	325
pH @25°C	pH Units		SM 4500H	27-Oct-22/O	8.04	8.33	7.99
Conductivity @25°C	µmho/cm	1	SM 2510B	27-Oct-22/O	363	663	697
Chloride	mg/L	0.5	SM4110C	03-Nov-22/O	4.4	2.3	16.7
Nitrate (N)	mg/L	0.05	SM4110C	03-Nov-22/O	< 0.05	0.94	1.11
Nitrite (N)	mg/L	0.05	SM4110C	03-Nov-22/O	< 0.05	< 0.05	< 0.05
Sulphate	mg/L	1	SM4110C	03-Nov-22/O	12	11	35
BOD(5 day)	mg/L	3	SM 5210B	09-Nov-22/K	< 3	< 3	< 3
Total Suspended Solids	mg/L	3	SM2540D	31-Oct-22/K	6	3640	13200
Phosphorus-Total	mg/L	0.01	E3516.2	11-Nov-22/K	< 0.01	4.75	4.52
Total Kjeldahl Nitrogen	mg/L	0.1	E3516.2	11-Nov-22/K	0.1	2.5	1.1
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	31-Oct-22/K	0.05	0.14	0.08
Total Dissolved Solids	mg/L	3	SM 2540D	31-Oct-22/O	187	344	362
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	28-Oct-22/O	2.2	8.4	7.9
Phenolics	mg/L	0.001	MOEE 3179	07-Nov-22/K	< 0.001	< 0.001	< 0.001
COD	mg/L	5	SM5220C	18-Nov-22/K	< 5	97	81
Hardness (as CaCO3)	mg/L	1	SM 3120	03-Nov-22/O	192	344	336
Aluminum	mg/L	0.01	SM 3120	03-Nov-22/O	0.04	0.04	0.06
Antimony	mg/L	0.0001	EPA 200.8	01-Nov-22/O	0.0002	< 0.0001	0.0001
Arsenic	mg/L	0.0001	EPA 200.8	01-Nov-22/O	0.0004	0.0010	0.0004
Barium	mg/L	0.001	SM 3120	03-Nov-22/O	0.066	0.138	0.080
Beryllium	mg/L	0.002	SM 3120	03-Nov-22/O	< 0.002	< 0.002	< 0.002
Boron	mg/L	0.005	SM 3120	03-Nov-22/O	0.071	0.062	0.012
Cadmium	mg/L	0.000010	EPA 200.8	01-Nov-22/O	< 0.000010	< 0.000010	< 0.000010
Calcium	mg/L	0.02	SM 3120	03-Nov-22/O	58.3	42.4	82.3
Chromium	mg/L	0.001	EPA 200.8	01-Nov-22/O	< 0.001	0.002	< 0.001
Cobalt	mg/L	0.0001	EPA 200.8	01-Nov-22/O	< 0.0001	< 0.0001	< 0.0001

M. Dubien

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Michelle Dubien
Lab Manager

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REPORT No. B22-32764

Report To:

Malroz Engineering Inc.
308 Wellington Street, 2nd Floor
Kingston ON K7K 7A8 Canada

Attention: John Pyke

Caduceon Environmental Laboratories

285 Dalton Ave
Kingston Ontario K7K 6Z1
Tel: 613-544-2001
Fax: 613-544-2770

DATE RECEIVED: 24-Oct-22

JOB/PROJECT NO.: 1038-Escott

DATE REPORTED: 21-Nov-22

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

			Client I.D.		22-W024	22-W025	22-W026	22-W028
			Sample I.D.		B22-32764-5	B22-32764-6	B22-32764-7	B22-32764-8
			Date Collected		24-Oct-22	24-Oct-22	24-Oct-22	24-Oct-22
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Copper	mg/L	0.0001	EPA 200.8	01-Nov-22/O	0.0002	0.0004	0.0024	0.0021
Iron	mg/L	0.005	SM 3120	03-Nov-22/O	0.056	< 0.005	< 0.005	0.014
Lead	mg/L	0.00002	EPA 200.8	01-Nov-22/O	< 0.00002	< 0.00002	< 0.00002	0.00011
Magnesium	mg/L	0.02	SM 3120	03-Nov-22/O	11.2	57.8	31.7	24.9
Manganese	mg/L	0.001	SM 3120	03-Nov-22/O	0.037	< 0.001	0.001	0.006
Molybdenum	mg/L	0.01	SM 3120	03-Nov-22/O	< 0.01	0.02	< 0.01	< 0.01
Mercury	mg/L	0.00002	SM 3112 B	28-Oct-22/O	< 0.00002	< 0.00002	0.00002	< 0.00002
Nickel	mg/L	0.01	SM 3120	03-Nov-22/O	< 0.01	< 0.01	< 0.01	< 0.01
Potassium	mg/L	0.1	SM 3120	03-Nov-22/O	2.5	2.9	0.7	1.4
Selenium	mg/L	0.001	EPA 200.8	01-Nov-22/O	< 0.001	0.001	< 0.001	< 0.001
Silicon	mg/L	0.01	SM 3120	03-Nov-22/O	3.56	4.69	5.51	6.64
Silver	mg/L	0.0001	EPA 200.8	01-Nov-22/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	03-Nov-22/O	5.8	20.5	7.8	5.7
Strontium	mg/L	0.001	SM 3120	03-Nov-22/O	1.14	1.07	0.260	0.144
Tin	mg/L	0.05	SM 3120	03-Nov-22/O	< 0.05	< 0.05	< 0.05	< 0.05
Titanium	mg/L	0.005	SM 3120	03-Nov-22/O	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	0.00005	EPA 200.8	01-Nov-22/O	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Tungsten	mg/L	0.01	SM 3120	03-Nov-22/O	< 0.01	< 0.01	< 0.01	< 0.01
Uranium	mg/L	0.00005	EPA 200.8	01-Nov-22/O	0.00593	0.00450	0.00159	0.00047
Vanadium	mg/L	0.0001	EPA 200.8	01-Nov-22/O	0.0002	0.0014	0.0017	0.0010
Zinc	mg/L	0.005	SM 3120	03-Nov-22/O	< 0.005	< 0.005	< 0.005	< 0.005

1. Elevated R.Ls due to sample matrix interferences



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P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

			Client I.D.	22-W029	22-W030	22-W031	22-W032
			Sample I.D.	B22-32764-9	B22-32764-10	B22-32764-11	B22-32764-12
			Date Collected	24-Oct-22	24-Oct-22	24-Oct-22	24-Oct-22
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	27-Oct-22/O	1010	388	336
pH @25°C	pH Units		SM 4500H	27-Oct-22/O	7.56	8.07	7.96
Conductivity @25°C	µmho/cm	1	SM 2510B	27-Oct-22/O	2030	690	694
Chloride	mg/L	0.5	SM4110C	03-Nov-22/O	64.6	2.8	20.4
Nitrate (N)	mg/L	0.05	SM4110C	03-Nov-22/O	< 0.5	< 0.05	0.45
Nitrite (N)	mg/L	0.05	SM4110C	03-Nov-22/O	< 0.5	< 0.05	< 0.05
Sulphate	mg/L	1	SM4110C	03-Nov-22/O	88	10	16
BOD(5 day)	mg/L	3	SM 5210B	09-Nov-22/K	< 3	< 3	< 3
Total Suspended Solids	mg/L	3	SM2540D	31-Oct-22/K	12	2370	10
Phosphorus-Total	mg/L	0.01	E3516.2	11-Nov-22/K	0.03	1.34	0.01
Total Kjeldahl Nitrogen	mg/L	0.1	E3516.2	11-Nov-22/K	4.1	0.3	0.1
Ammonia (N)-Total	mg/L	0.01	SM4500-NH ₃ -H	31-Oct-22/K	3.19	0.11	0.02
Total Dissolved Solids	mg/L	3	SM 2540D	31-Oct-22/O	1120	358	360
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	28-Oct-22/O	6.0	2.5	1.9
Phenolics	mg/L	0.001	MOEE 3179	07-Nov-22/K	< 0.001	< 0.001	< 0.001
COD	mg/L	5	SM5220C	18-Nov-22/K	26	46	< 5
Hardness (as CaCO ₃)	mg/L	1	SM 3120	03-Nov-22/O	1090	380	376
Aluminum	mg/L	0.01	SM 3120	03-Nov-22/O	0.11	0.04	0.05
Antimony	mg/L	0.0001	EPA 200.8	01-Nov-22/O	< 0.0001	< 0.0001	< 0.0001
Arsenic	mg/L	0.0001	EPA 200.8	01-Nov-22/O	0.0003	0.0014	< 0.0001
Barium	mg/L	0.001	SM 3120	03-Nov-22/O	0.387	0.240	0.160
Beryllium	mg/L	0.002	SM 3120	03-Nov-22/O	< 0.002	< 0.002	< 0.002
Boron	mg/L	0.005	SM 3120	03-Nov-22/O	0.739	0.027	0.018
Cadmium	mg/L	0.000010	EPA 200.8	01-Nov-22/O	< 0.000010	0.000010	< 0.000010
Calcium	mg/L	0.02	SM 3120	03-Nov-22/O	256	67.6	86.0
Chromium	mg/L	0.001	EPA 200.8	01-Nov-22/O	< 0.001	< 0.001	< 0.001

M. Dubien

R.L. = Reporting Limit

Test methods may be modified from specified reference method unless indicated by an *

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

Michelle Dubien
Lab Manager

The analytical results reported herein refer to the samples as received. Reproduction of this analytical report in full or in part is prohibited without prior consent from

C.O.C.: G102737

REPORT No. B22-32764

Report To:

Malroz Engineering Inc.
308 Wellington Street, 2nd Floor
Kingston ON K7K 7A8 Canada

Attention: John Pyke

Caduceon Environmental Laboratories

285 Dalton Ave
Kingston Ontario K7K 6Z1
Tel: 613-544-2001
Fax: 613-544-2770

DATE RECEIVED: 24-Oct-22

JOB/PROJECT NO.: 1038-Escott

DATE REPORTED: 21-Nov-22

P.O. NUMBER:

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

			Client I.D.		22-W029	22-W030	22-W031	22-W032
			Sample I.D.		B22-32764-9	B22-32764-10	B22-32764-11	B22-32764-12
			Date Collected		24-Oct-22	24-Oct-22	24-Oct-22	24-Oct-22
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Cobalt	mg/L	0.0001	EPA 200.8	01-Nov-22/O	0.0025	0.0001	< 0.0001	0.0001
Copper	mg/L	0.0001	EPA 200.8	01-Nov-22/O	0.0005	0.0016	0.0021	0.0194
Iron	mg/L	0.005	SM 3120	03-Nov-22/O	3.44	0.031	< 0.005	< 0.005
Lead	mg/L	0.00002	EPA 200.8	01-Nov-22/O	0.00003	0.00005	0.00005	0.00011
Magnesium	mg/L	0.02	SM 3120	03-Nov-22/O	110	51.3	39.1	30.5
Manganese	mg/L	0.001	SM 3120	03-Nov-22/O	3.43	0.021	< 0.001	< 0.001
Molybdenum	mg/L	0.01	SM 3120	03-Nov-22/O	< 0.01	< 0.01	< 0.01	< 0.01
Mercury	mg/L	0.00002	SM 3112 B	28-Oct-22/O	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Nickel	mg/L	0.01	SM 3120	03-Nov-22/O	0.01	< 0.01	< 0.01	< 0.01
Potassium	mg/L	0.1	SM 3120	03-Nov-22/O	6.1	2.6	2.2	0.4
Selenium	mg/L	0.001	EPA 200.8	01-Nov-22/O	< 0.001	< 0.001	< 0.001	0.004
Silicon	mg/L	0.01	SM 3120	03-Nov-22/O	7.90	7.30	5.50	5.62
Silver	mg/L	0.0001	EPA 200.8	01-Nov-22/O	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	03-Nov-22/O	80.3	17.5	13.7	14.9
Strontium	mg/L	0.001	SM 3120	03-Nov-22/O	1.30	0.616	0.370	0.233
Tin	mg/L	0.05	SM 3120	03-Nov-22/O	< 0.05	< 0.05	< 0.05	< 0.05
Titanium	mg/L	0.005	SM 3120	03-Nov-22/O	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	0.00005	EPA 200.8	01-Nov-22/O	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Tungsten	mg/L	0.01	SM 3120	03-Nov-22/O	< 0.01	< 0.01	< 0.01	< 0.01
Uranium	mg/L	0.00005	EPA 200.8	01-Nov-22/O	0.00268	0.00118	0.00441	0.00543
Vanadium	mg/L	0.0001	EPA 200.8	01-Nov-22/O	< 0.0001	0.0008	0.0004	0.0054
Zinc	mg/L	0.005	SM 3120	03-Nov-22/O	0.006	< 0.005	< 0.005	< 0.005

1. Elevated RLs due to sample matrix interferences

M. Dubien

R.L. = Reporting Limit

Test methods may be modified from specified reference method unless indicated by an *

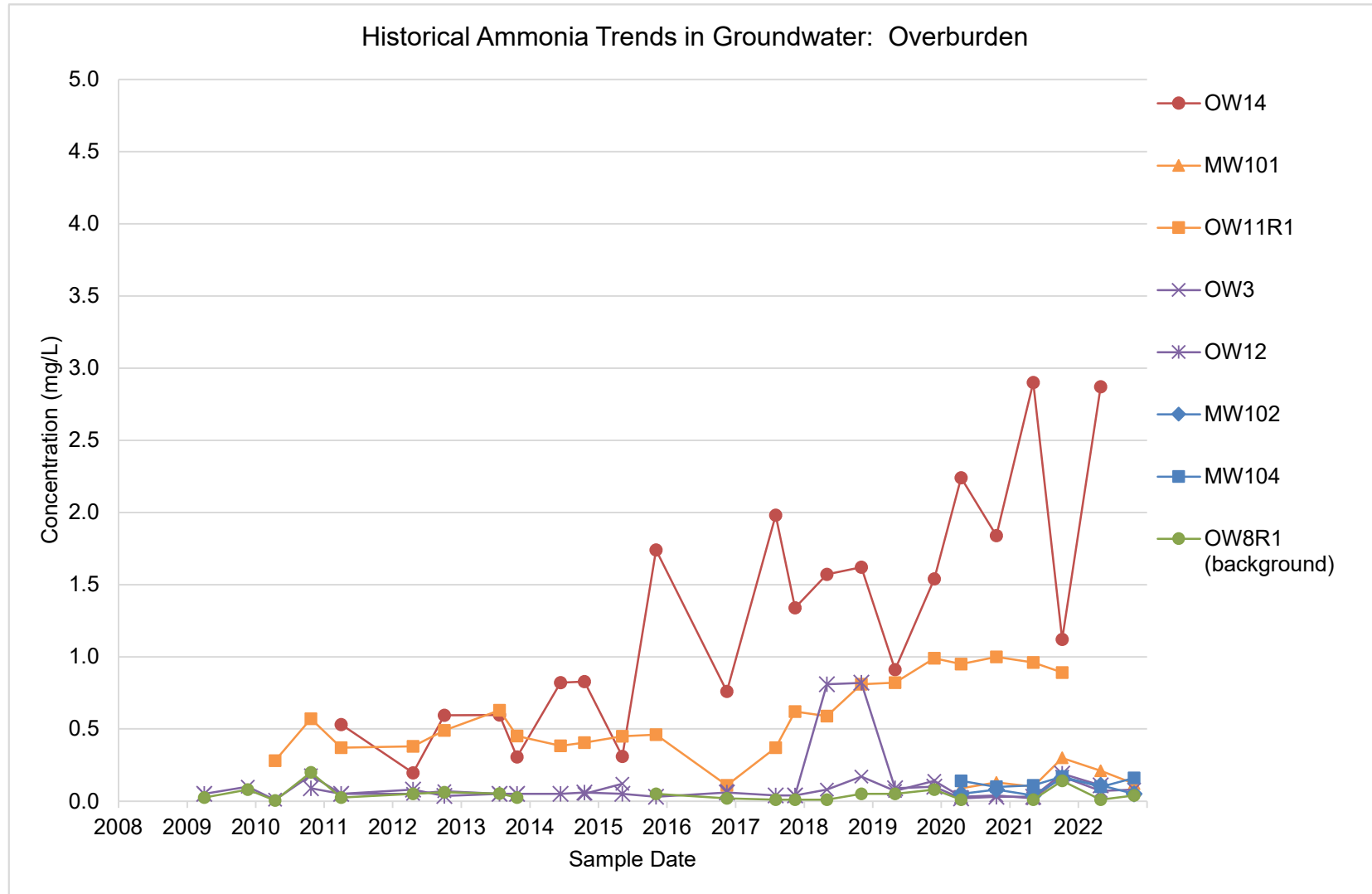
Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

Michelle Dubien
Lab Manager

The analytical results reported herein refer to the samples as received. Reproduction of this analytical report in full or in part is prohibited without prior consent from

Appendix I

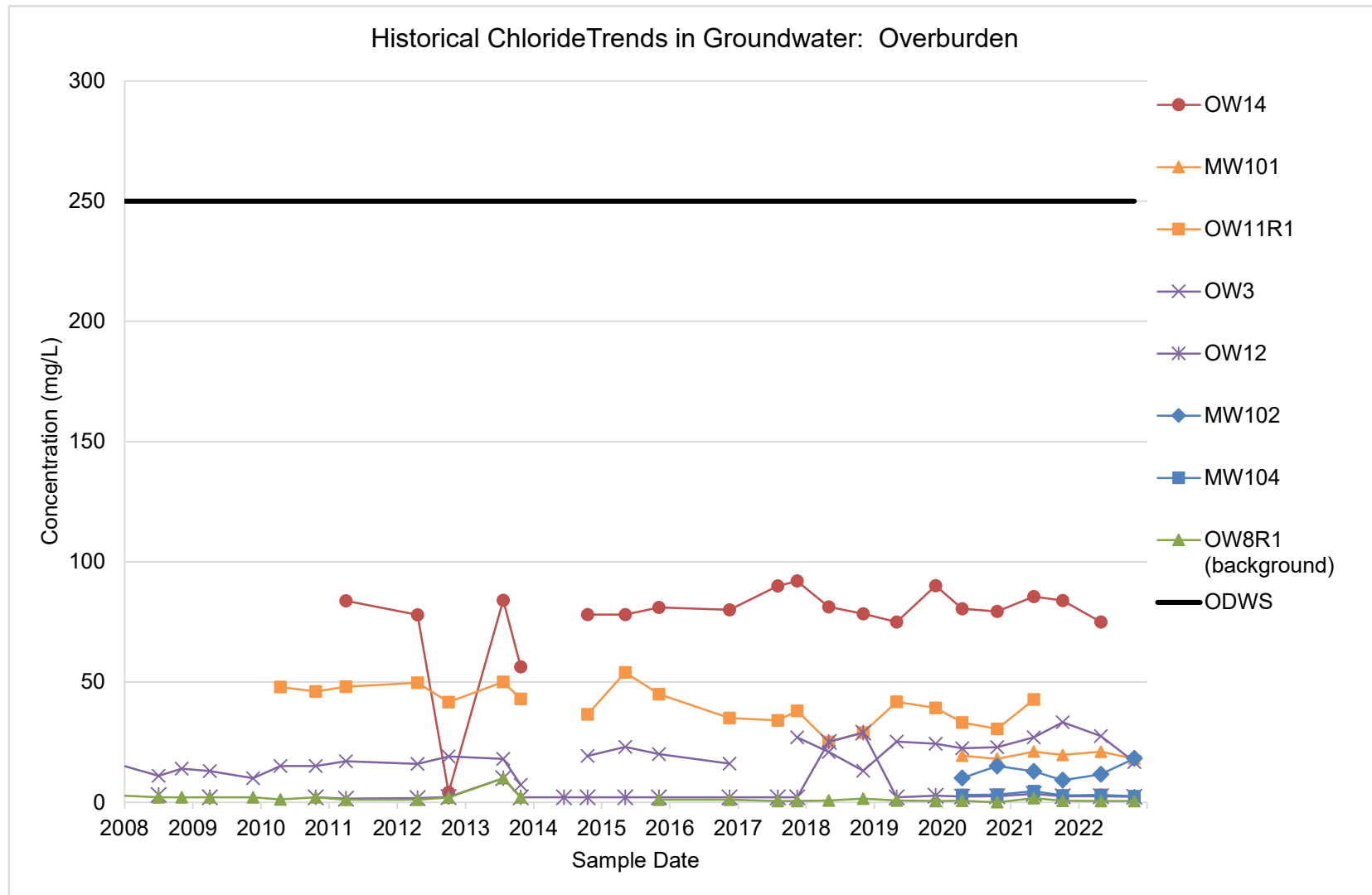
Historical Analyses and Trends



Notes:

- all data prior to and including 2016 was provided by the Township of Leeds and Thousand Islands.
- lines connect consecutive data points
- when result was less than MDL, MDL value was plotted
- trend graphs provided as an interpretive tool only. Refer to the summary tables for results.

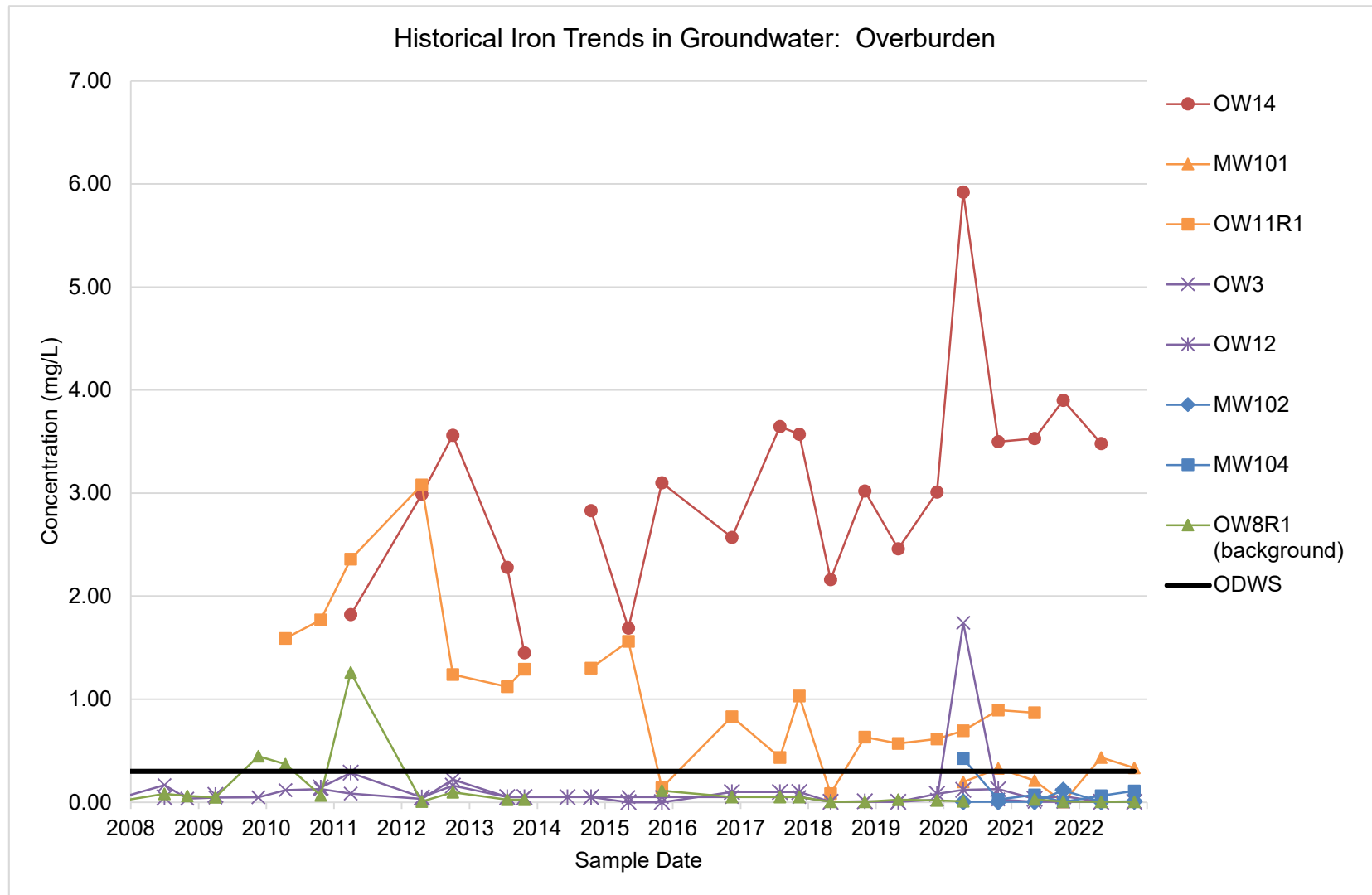
Input: PRK
Check: JMP



Notes:

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- lines connect consecutive data points
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- trend graphs provided as an interpretive tool only. Refer to the summary tables for results.

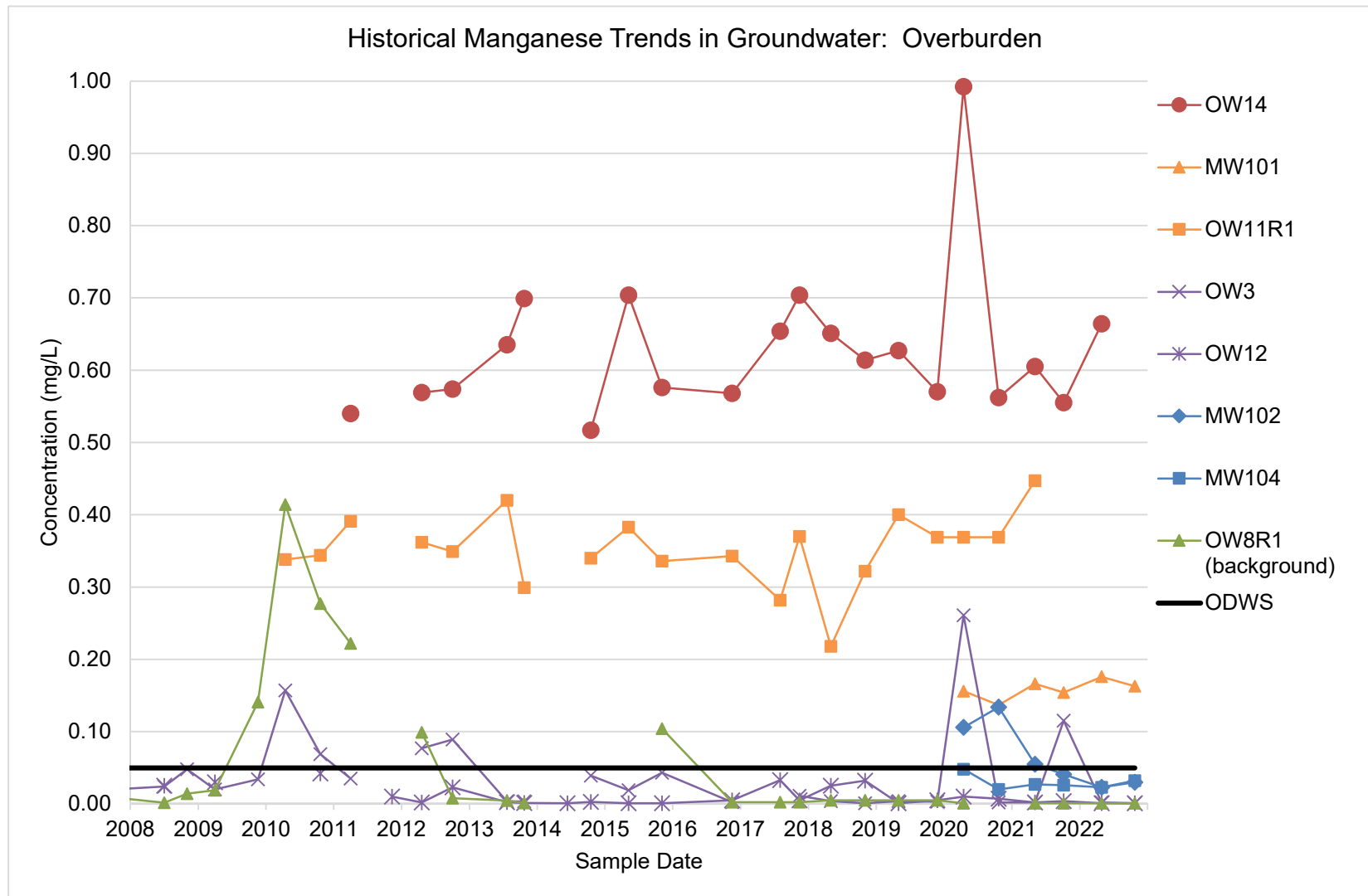
Input: PRK
Check: JMP



Notes:

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- trend graphs provided as an interpretive tool only. Refer to the summary tables for results.

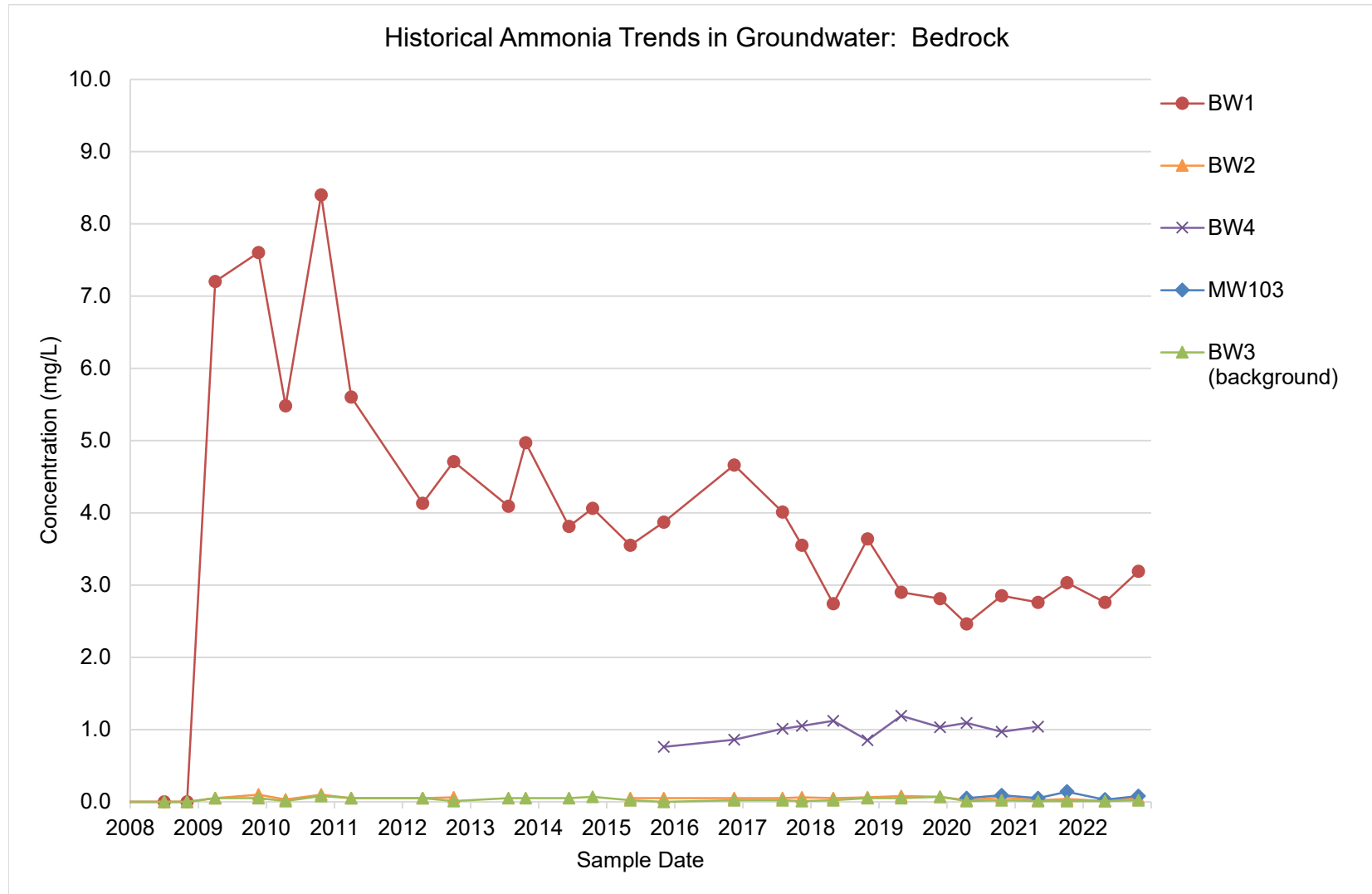
Input: PRK
Check: JMP



Notes:

- all data prior to and including 2016 was provided by the Township of Leeds and Thousand Islands.
- lines connect consecutive data points
- when result was less than MDL, MDL value was plotted
- trend graphs provided as an interpretive tool only. Refer to the summary tables for results.

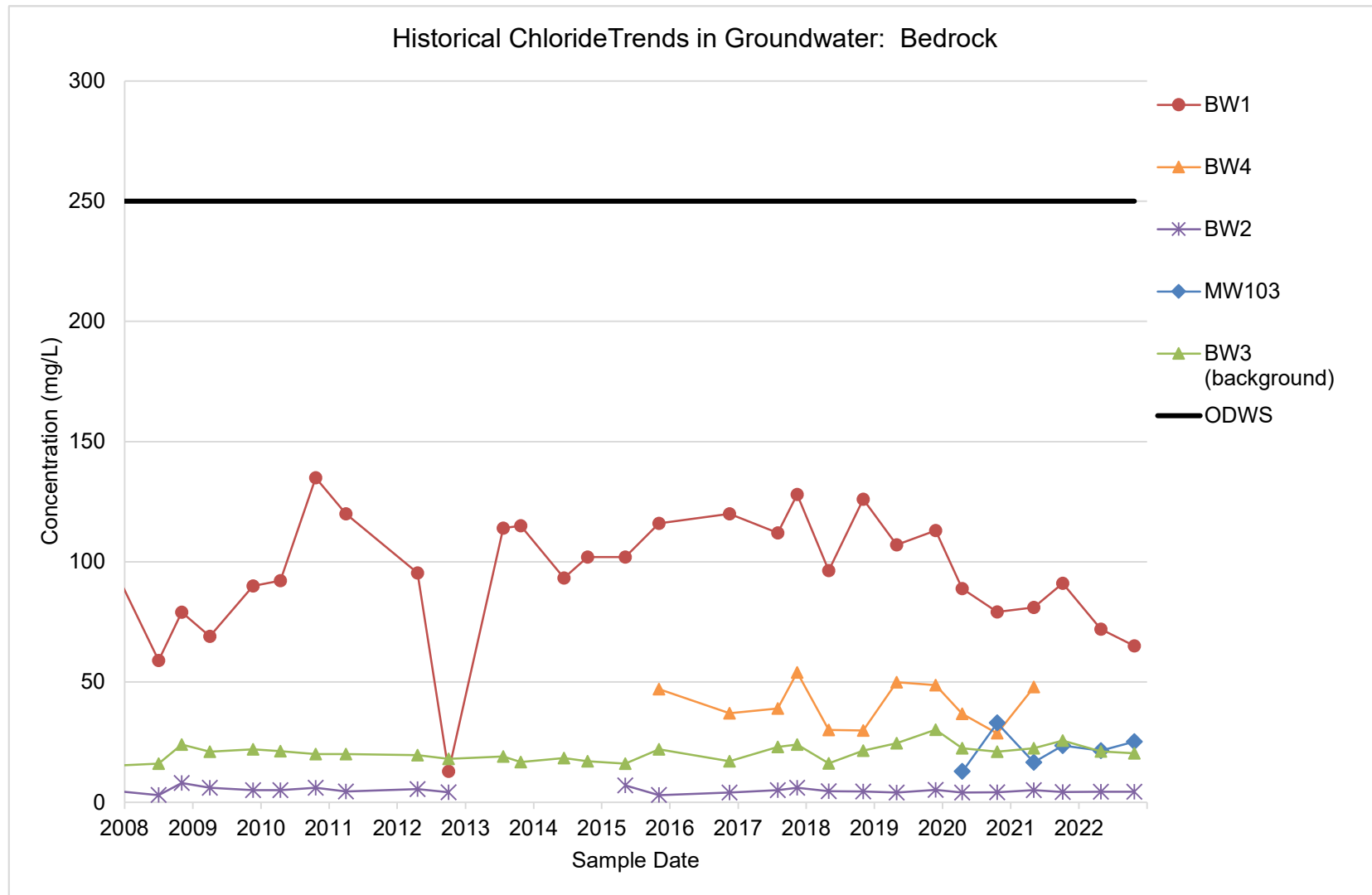
Input: PRK
Check: JMP



Notes:

- all data prior to and including 2016 was provided by the Township of Leeds and Thousand Islands.
- lines connect consecutive data points
- when result was less than MDL, MDL value was plotted
- trend graphs provided as an interpretive tool only. Refer to the summary tables for results.

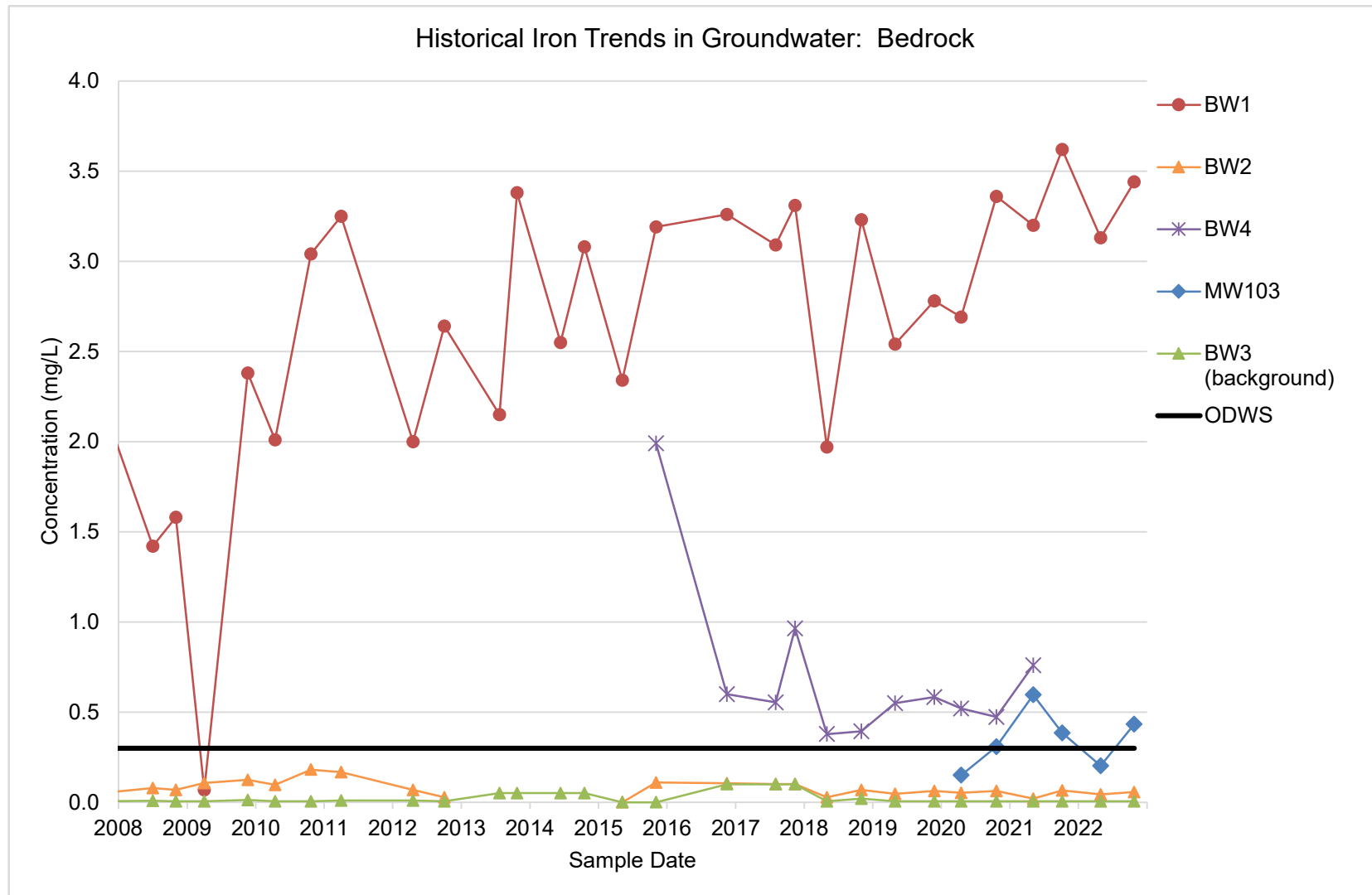
Input: PRK
Check: JMP



Notes:

- all data prior to and including 2016 was provided by the Township of Leeds and Thousand Islands.
- gaps between points denotes missing data
- when result was less than MDL, MDL value was plotted
- trend graphs provided as an interpretive tool only. Refer to the summary tables for results.

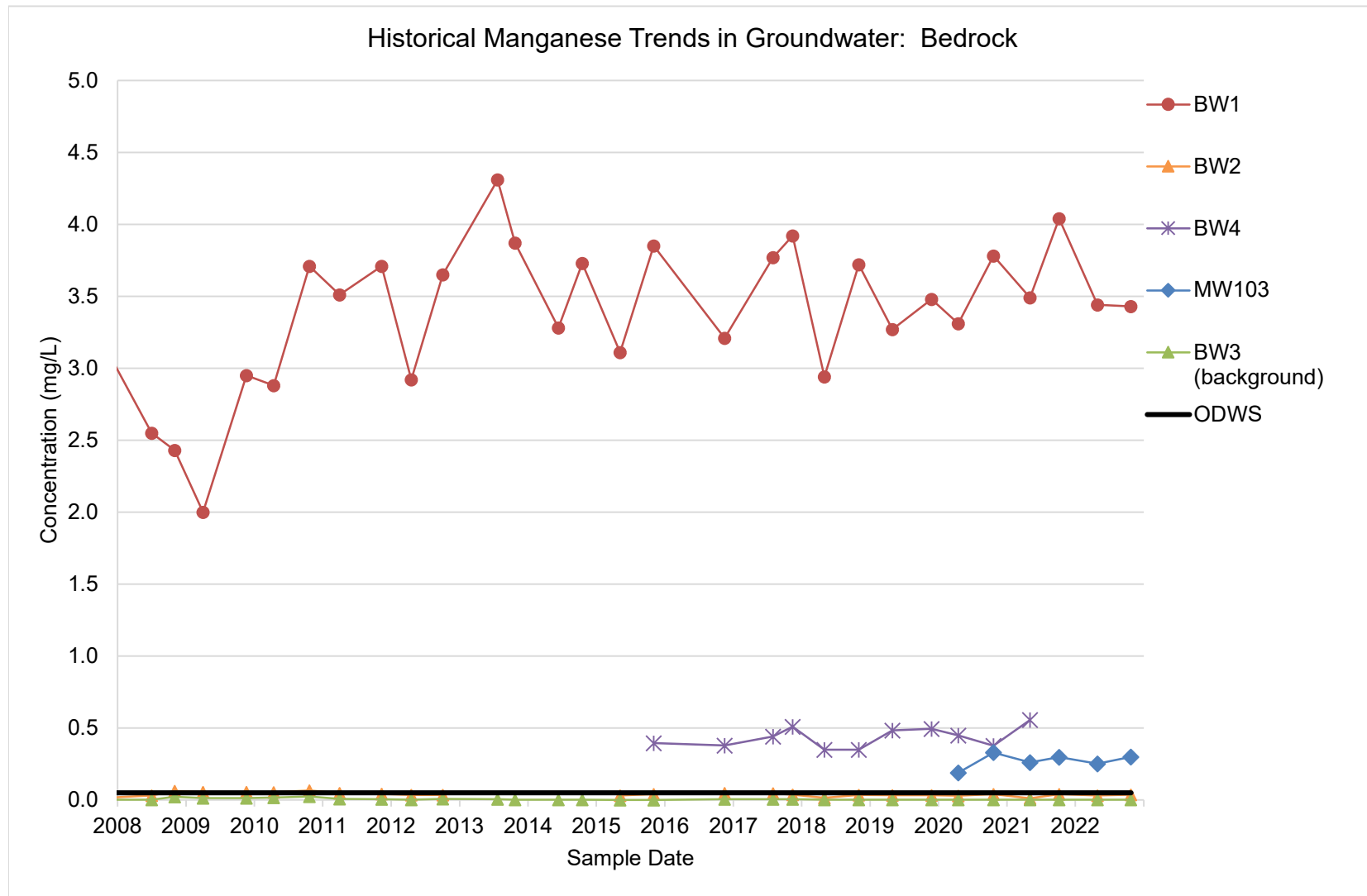
Input: PRK
Check: JMP



Notes:

- all data prior to and including 2016 was provided by the Township of Leeds and Thousand Islands.
- lines connect consecutive data points
- when result was less than MDL, MDL value was plotted
- trend graphs provided as an interpretive tool only. Refer to the summary tables for results.

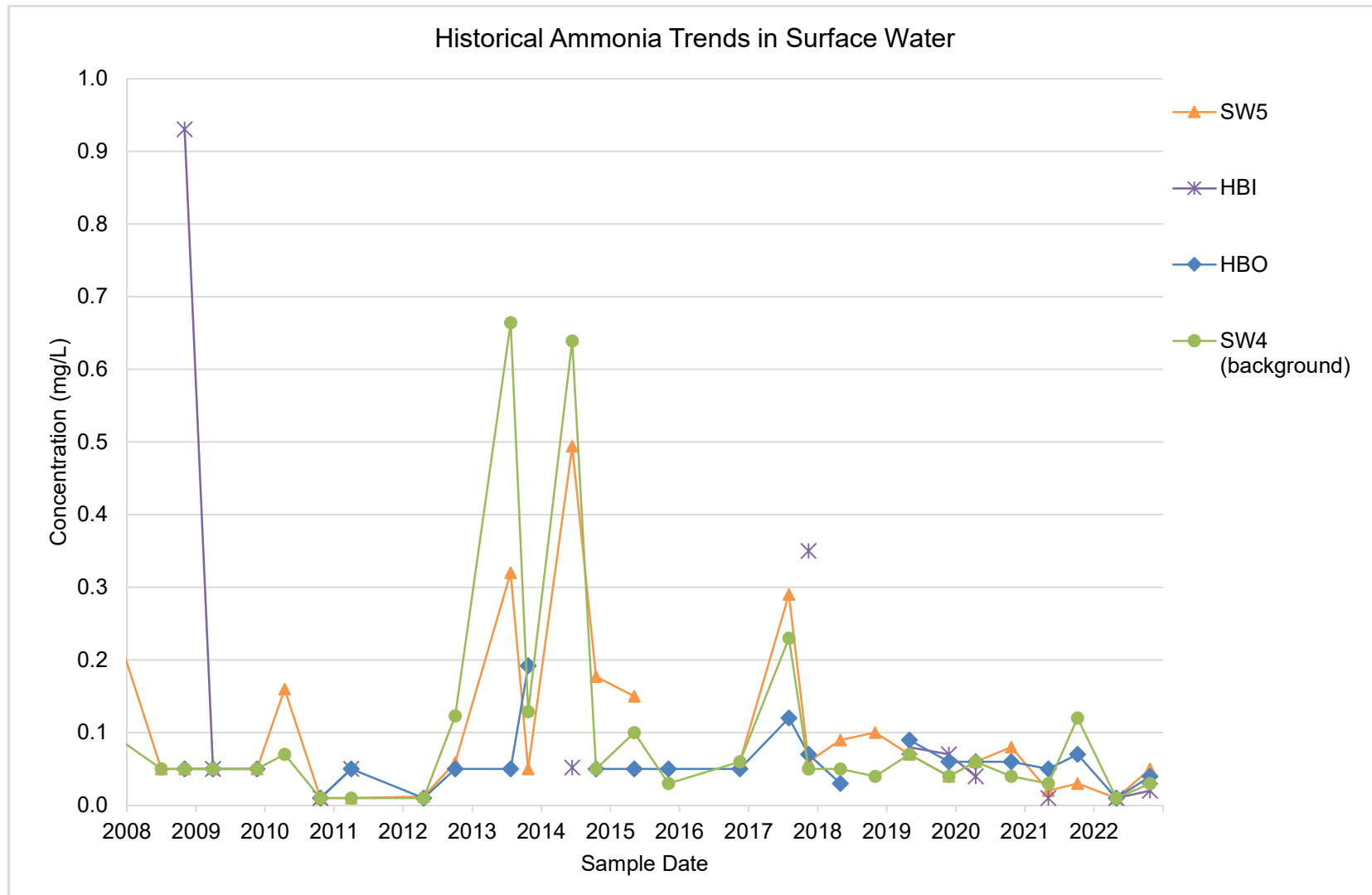
Input: PRK
Check: JMP



Notes:

- all data prior to and including 2016 was provided by the Township of Leeds and Thousand Islands.
- lines connect consecutive data points
- when result was less than MDL, MDL value was plotted
- trend graphs provided as an interpretive tool only. Refer to the summary tables for results.

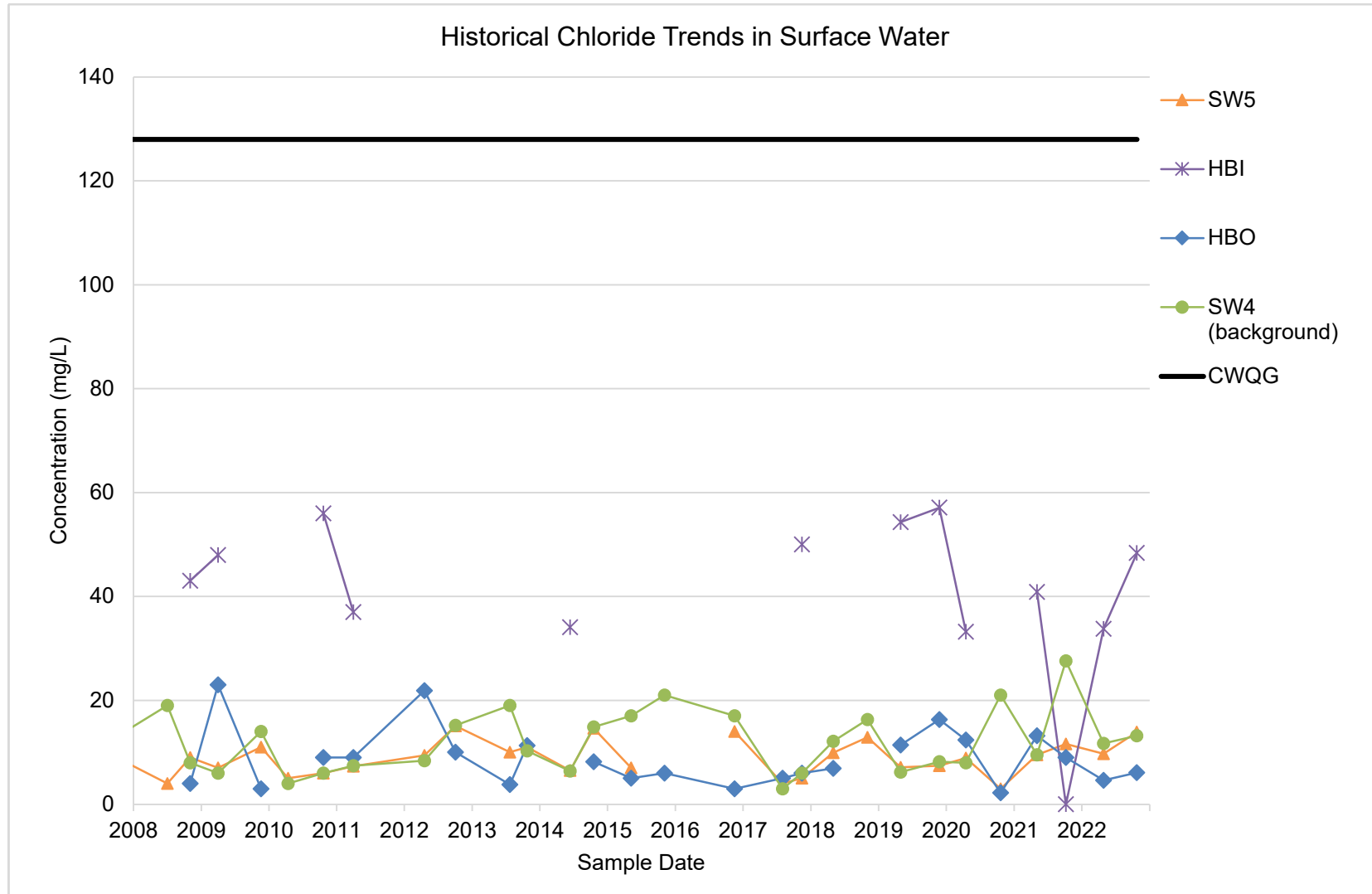
Input: PRK
Check: JMP



Notes:

- all data prior to and including 2016 was provided by the Township of Leeds and Thousand Islands.
- lines connect consecutive data points
- when result was less than MDL, MDL value was plotted
- trend graphs provided as an interpretive tool only. Refer to the summary tables for results.

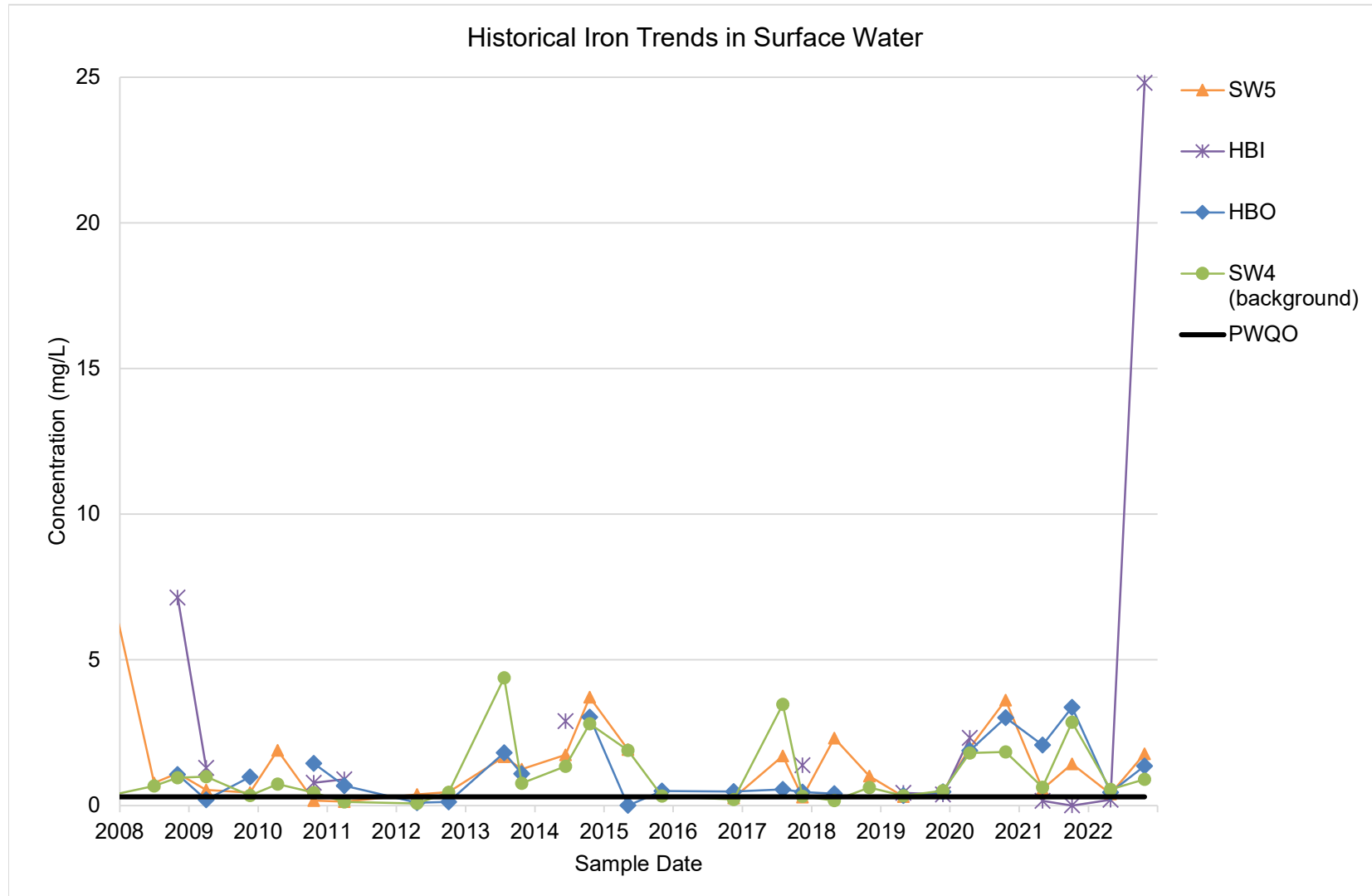
Input: PRK
Check: JMP



Notes:

- all data prior to and including 2016 was provided by the Township of Leeds and Thousand Islands.
- gaps between points denotes missing data
- when result was less than MDL, MDL value was plotted
- trend graphs provided as an interpretive tool only. Refer to the summary tables for results.

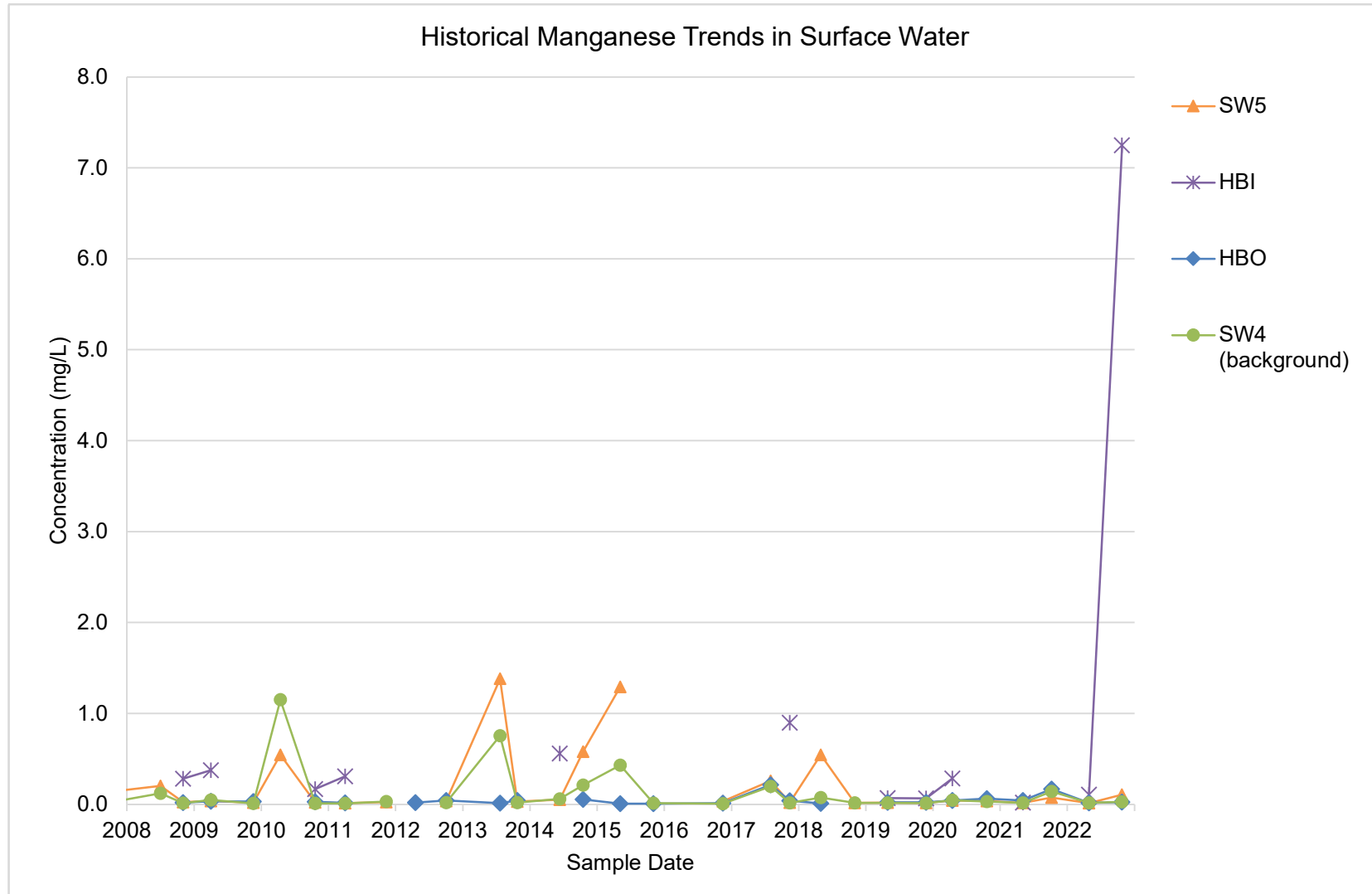
Input: PRK
Check: JMP



Notes:

- all data prior to and including 2016 was provided by the Township of Leeds and Thousand Islands.
- lines connect consecutive data points
- when result was less than MDL, MDL value was plotted
- trend graphs provided as an interpretive tool only. Refer to the summary tables for results.

Input: PRK
Check: JMP



Notes:

- all data prior to and including 2016 was provided by the Township of Leeds and Thousand Islands.
- lines connect consecutive data points
- when result was less than MDL, MDL value was plotted
- trend graphs provided as an interpretive tool only. Refer to the summary tables for results.

Input: PRK
Check: JMP

Appendix J

Borehole Logs



WELL LOG

Enclosure No.: 1

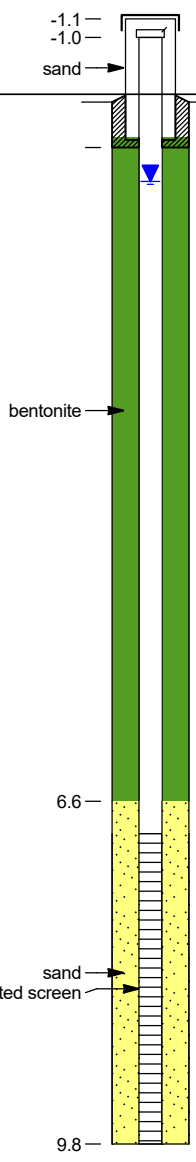
Project Name: Escott WDS			Project Number: 1038		
Client: Township of Leeds and Thousand Islands			Well Number: MW105	Page: 1 of 1	
Location: 227 Escott Rockport, Mallorytown, ON			Date Started: December 1, 2022	Datum: NAD 83, Zone 18T	
Drilling Contractor: Canadian Environmental Drilling & Contractors Inc.			Date Finished: December 1, 2022	Elevation:	
Drilling Equipment: CME 55			Easting:		Northing:
Drilling and Sampling Method: Hollow-Stem Auger			Logged By: A. Superville		Checked By: J. Payeur

Depth BGS (m)	Elevation (m)	Stratigraphy	Description	Monitoring Well	Sample Type	Sample Number	Recovery (%)	Penetration Index / RQD
0.2			CLAYEY SILT.					
0.4			SILTY CLAY.					
0.6								
0.8								
1.0								
1.2								
1.4								
1.6								
1.8								
2.0								
2.2								
2.4								
2.6								
2.8								
3.0								
3.2								
3.4								
3.6			CLAYEY SILT.					
3.8								
4.0								
4.2								
4.4			SILTY CLAY.					
4.6								
4.8			End of borehole at target depth of 4.8 mbg.					
5.0								
5.2								
5.4								
5.6								
5.8								
6.0								
6.2								
6.4								
6.6								
6.8								
7.0								
7.2								
7.4								
7.6								
7.8								
8.0								
8.2								
8.4								
8.6								
8.8								
9.0								
9.2								
9.4								
9.6								
9.8								
10.0								
10.2								
10.4								
10.6								
10.8								
11.0								
11.2								
11.4								
11.6								
11.8								

NOTES: <u>Well Construction Details</u> -1.00 m stick-up with aluminum monument 38.1 mm PVC piezometer slotted screen 1.52 m screen #1 sand			<u>Groundwater Monitoring Details</u> monitored on December 9, 2022 DTW: 0.5 m DTB: 5.8 m			OW11R1 was decommissioned and MW105 was installed as a replacement. See OW11 log for detailed stratigraphy description		
---	--	--	--	--	--	---	--	--

BOREHOLE LOG 1038 BH LOGS GPU MALROZ ENGINEERING GDT 3/7/23

Project Name: Escott WDS			Project Number: 1038		
Client: Township of Leeds and Thousand Islands			Well Number: MW106	Page: 1 of 1	
Location: 227 Escott Rockport, Mallorytown, ON			Date Started: December 1, 2022	Datum: NAD 83, Zone 18T	
Drilling Contractor: Canadian Environmental Drilling & Contractors Inc.			Date Finished: December 1, 2022	Elevation:	
Drilling Equipment: CME 55			Easting:		Northing:
Drilling and Sampling Method: Hollow-Stem Auger			Logged By: A. Superville		Checked By: J. Payeur

Depth BGS (m)	Elevation (m)	Stratigraphy	Description	Monitoring Well	Sample Type	Sample Number	Recovery (%)	Penetration Index / RQD
0.2			CLAYEY SILT.					
0.4			SILTY CLAY.					
0.6								
0.8								
1.0								
1.2								
1.4								
1.6								
1.8								
2.0								
2.2								
2.4								
2.6								
2.8								
3.0								
3.2								
3.4								
3.6			CLAYEY SILT.					
3.8								
4.0								
4.2			SILTY CLAY.					
4.4								
4.6								
4.8			BEDROCK					
5.0			Borehole advanced through bedrock using air hammer at 4.8 mbg.					
5.2								
5.4								
5.6								
5.8								
6.0								
6.2								
6.4								
6.6								
6.8								
7.0								
7.2								
7.4								
7.6								
7.8								
8.0								
8.2								
8.4								
8.6								
8.8								
9.0								
9.2								
9.4								
9.6								
9.8			End of borehole at target depth of 9.8 mbg.					
10.0								
10.2								
10.4								
10.6								
10.8								
11.0								
11.2								
11.4								
11.6								
11.8								

NOTES: Well Construction Details
 -1.00 m stick-up with aluminum monument
 38.1 mm PVC piezometer
 slotted screen
 3.05 m screen
 #1 sand

Groundwater Monitoring Details
 monitored on December 9, 2022
 DTW: 0.8 m
 DTB: 10.8 m

BW4 was decommissioned and MW106 was installed as a replacement. See OW11 log for detailed stratigraphy description. Air hammer from 4.8 mbg to bottom (assumed bedrock)

308 Wellington Street
2nd Floor
Kingston, ON K7K 7A8
Canada

613-548-3446
www.malroz.com

PROJECT:
1038 - Escott WDS

CLIENT:
The Township of Leeds and the Thousand Islands

BOREHOLE LOG:
BH101

DRILLING CONTRACTOR: **Canadian Environmental Drilling**

DRILLING EQUIPMENT: **CME 55 Track Mount**

DRILLING METHOD: **4" Solid Stem Auger**

SAMPLING METHOD: **Split Spoon**

WELL ID: **MW101**

WELL TAG#: **A259032**

GROUND SURFACE ELEV.: -
TOP ELEVATION: -

DATUM: **18T NAD83**

EASTING: **424927**

NORTHING: **4917786**

LOGGED BY: RF	INPUT BY: RF	FIELD INSTRUMENT(S): RKI Eagle II	DATE DRILLED: February 18, 2020	VALIDATED BY: MW	CHECK: AP
-------------------------	------------------------	---	---	----------------------------	---------------------

Well Construction	Depth (meters)	Lithology	Boundary Depth	Description	Type	Moisture	Sample	% REC	Blows/6" (RQD)	CGI (% LEL)	PID (ppm)
	0	Clayey Silt	1.2	trace sand, trace rootlets, dark brown, soft becoming stiff	Damp		SS1	75	4	●	▲
	1			becoming light brown			SS2	75	15	●	▲
	2						SS3	71	13	●	▲
	2	Silt	2.4	becoming dark brown/grey	Moist		SS4	100	12	●	▲
	2.5						SS5	100	12	●	▲
	3	Silty Clay	3.8	trace sand, dark brown/grey, stiff, moist	Wet		SS6	75	9	●	▲
	3						SS7	100	13	●	▲
	4	Sandy Silt	4.6	trace sand, brown/grey, soft	Damp		SS8	100	5	●	▲
	4						SS9	100	R	●	▲
	4.7	Possible Weathered Rock	4.9	trace clay, brown/grey, hard							
	4.9			End of borehole in inferred bedrock (4.9 m).							
	5										
	6										
	7										

Notes: Well Construction Details
aboveground casing
50 mm schedule 40 PVC
0.25 mm slotted screen
1.5 m screen
#2 sand

THIS BOREHOLE LOG MUST BE READ TOGETHER WITH THE ACCOMPANYING REPORT

308 Wellington Street
2nd Floor
Kingston, ON K7K 7A8
Canada

613-548-3446
www.malroz.com

PROJECT:
1038 - Escott WDS

CLIENT:
The Township of Leeds and the Thousand Islands

BOREHOLE LOG:
BH102

DRILLING CONTRACTOR: **Canadian Environmental Drilling**

DRILLING EQUIPMENT: **CME 55 Track Mount**

DRILLING METHOD: **4" Solid Stem Auger**

SAMPLING METHOD: **Split Spoon**

WELL ID: **MW102**

WELL TAG#: **A259032**

GROUND SURFACE ELEV.: -
TOP ELEVATION: -

DATUM: **18T NAD83**

EASTING: **425018**

NORTHING: **4917823**

LOGGED BY: RF	INPUT BY: RF	FIELD INSTRUMENT(S): RKI Eagle II	DATE DRILLED: February 18, 2020	VALIDATED BY: MW	CHECK: AP
-------------------------	------------------------	---	---	----------------------------	---------------------

Well Construction	Depth (meters)	Lithology	Boundary Depth	Description	Type	Moisture	Sample	% REC	Blows/6" (RQD)	CGI (% LEL)	PID (ppm)
	0	Clayey Silt	0.8	trace sand, trace rootlets, light brown, soft	Dry-Damp		SS1	88	4	●	▲
	1			Silt trace clay, light brown, firm			SS2	100	21	●	▲
	2	Damp					SS3	100	19	●	▲
	3						SS4	58	21	●	▲
	4						SS5	100	24	●	▲
	5	Moist		becoming dark brown/grey			SS6	100	14	●	▲
	6			Silty Clay trace sand, brown/grey, soft			SS7	100	4	●	▲
	7						SS8	100	4	●	▲
			4.4	End of borehole on inferred bedrock (4.4 m).			SS9	100	R	●	▲

Notes: Well Construction Details
aboveground casing
50 mm schedule 40 PVC
0.25 mm slotted screen
1.5 m screen
#2 sand

Well is nested with MW103

THIS BOREHOLE LOG MUST BE READ TOGETHER WITH THE ACCOMPANYING REPORT

308 Wellington Street
2nd Floor
Kingston, ON K7K 7A8
Canada

613-548-3446
www.malroz.com

PROJECT:
1038 - Escott WDS

CLIENT:
The Township of Leeds and the Thousand Islands

BOREHOLE LOG:
BH103

DRILLING CONTRACTOR: **Canadian Environmental Drilling**

DRILLING EQUIPMENT: **CME 55 Track Mount**

DRILLING METHOD: **4" Solid Stem Auger**

SAMPLING METHOD: **Core**

WELL ID: **MW103**

WELL TAG#: **A259032**

GROUND SURFACE ELEV.: -
TOP ELEVATION: -

DATUM: **18T NAD83**

EASTING: **425017**

NORTHING: **4917821**

LOGGED BY:
RF

INPUT BY:
RF

FIELD INSTRUMENT(S):
RKI Eagle II

DATE DRILLED:
February 19, 2020

VALIDATED BY:
MW

CHECK:
AP

Well Construction	Depth (meters)	Lithology	Boundary Depth	Description	Type	Moisture	Sample	% REC	Blows/6" (RQD)	CGI (% LEL)	PID (ppm)
	0			See BH102 for lithology							
	1										
	2										
	3										
	3.6			Bedrock							
	4			granite, medium-grained, felsic, fracture at 3.84 m							
	4.1			fractures at 4.14 m and 4.19 m			RC1	100	85		
	4.7			fractures at 4.65 m, 4.69 m, and 4.75 m							
	5			vertical fracture 4.87 m to 5.05 m							
	5.1			fractures at 5.05 m and 5.11 m							
	5.4			fractures at 5.43 and 5.45 m			RC2	100	90		
	5.6			fracture at 5.64 m							
	6			fracture at 5.97 m							
	6.1			fracture at 6.12 m							
	6.6			fracture at 6.55 m							
	6.7			fracture at 6.73 m			RC3	100	100		
	7										
	7.5			End of borehole at target depth (7.5 m).							
	8										

Notes: Well Construction Details
aboveground casing
38 mm schedule 40 PVC
0.25 mm slotted screen
1.5 m screen
#2 sand

Well is nested with MW102

THIS BOREHOLE LOG MUST BE READ TOGETHER WITH THE ACCOMPANYING REPORT

308 Wellington Street
2nd Floor
Kingston, ON K7K 7A8
Canada

613-548-3446
www.malroz.com

PROJECT:
1038 - Escott WDS

CLIENT:
The Township of Leeds and the Thousand Islands

BOREHOLE LOG:
BH104

DRILLING CONTRACTOR: **Canadian Environmental Drilling**

DRILLING EQUIPMENT: **CME 55 Track Mount**

DRILLING METHOD: **4" Solid Stem Auger**

SAMPLING METHOD: **Split Spoon**

WELL ID: **MW104**

WELL TAG#: **A259032**

GROUND SURFACE ELEV.: -
TOP ELEVATION: -

DATUM: **18T NAD83**

EASTING: **425123**

NORTHING: **4917883**

LOGGED BY:
RF

INPUT BY:
RF

FIELD INSTRUMENT(S):
RKI Eagle II

DATE DRILLED:
February 19, 2020

VALIDATED BY:
MW

CHECK:
AP

Well Construction	Depth (meters)	Lithology	Boundary Depth	Description	Type	Moisture	Sample	% REC	Blows/6" (ROD)	CGI (% LEL)	PID (ppm)
	0	Clayey Silt		some sand, trace rootlets, brown/grey, soft	Damp		SS1	75	4		
	0.6			trace rounded cobbles, becoming firm			SS2				
	1						SS3	100	19		
	1.8			becoming stiff			SS4	75	24		
	2	Silty Clay			Moist		SS5	100	11		
	3						SS6	100	13		
	3.3			trace sand, grey, stiff			SS7	100	14		
	4	Silt			Wet		SS8	100	8		
	4.4			trace clay, trace sand, grey, stiff			SS9	100	17		
	5						SS10	100	4		
	6						SS11	100	10		
	6.7						SS12 SS13	100	12		
	7			End of borehole at target depth (6.7 m).							

Notes: Well Construction Details
aboveground casing
50 mm schedule 40 PVC
0.25 mm slotted screen
1.5 m screen
#2 sand

THIS BOREHOLE LOG MUST BE READ TOGETHER WITH THE ACCOMPANYING REPORT

Project: MK 14517 A

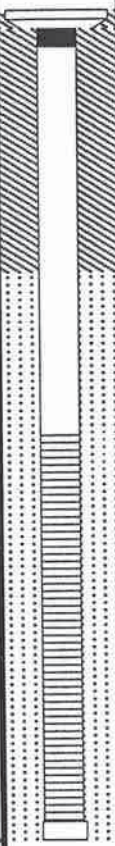
Ward 3 Waste Disposal Site

Client: Township of Leeds and Thousand Islands

Location: L:9 / C:BF / T:Front of Escott

Well ID: OW-1

Engineer: SW

SUBSURFACE PROFILE				WELL CONSTRUCTION DETAILS	
Depth	Symbol	Description	Depth/Elev.	Well Profile	Remarks
0		Ground Surface	0		Flush Mount Well Box
1		Cover Material Clay Tan color Very Dry	1.52		Clay Seal (Bentonite HolePlug)
2			-1.52		
3					
4					
5		Landfill Household refuse Black color Partly saturated	4.88		
6			-4.88		
7					
8					
9					
10					
11		Clay Massive structure Light brown color Saturated	6.25		
12			-6.25		
13					
14					
15		Bedrock Refusal			
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					

Drilled By: G.E.T. Drilling

Drill Date: 9 May 2001

Drill Method: Solid Stem Auger

Hole Size: 125 mm

TROW-OMM Consulting Engineers

#210 - 4 Cataragui Street

Kingston, Ontario, K7K 1Z7

T (613)542-1253 F (613)547-3767

Well Diameter: 51 mm

Well Material: S40 PVC

Screen: #10

Project: MK 14517 A

Ward 3 Waste Disposal Site

Client: Township of Leeds and Thousand Islands

Location: L:9 / C:BF / T:Front of Escott

Well ID: OW-2

Engineer: SW

SUBSURFACE PROFILE				WELL CONSTRUCTION DETAILS	
Depth	Symbol	Description	Depth/Elev.	Well Profile	Remarks
0 ft 0 m		Ground Surface	0		
1			0		Flush Mount Well Box
2					
3		Soil Cover Material			Clay Seal (Bentonite HolePlug)
4		Clay			
5		Tan color			
6		Very Dry			
7					
8			2.44		
9			-2.44		
10					
11					
12					
13		Landfill			00 Silica Sand
14		Household refuse			
15		Black color			
16		Partly saturated			
17					
18					
19					
20			6.1		
21			-6.1		
22					
23		Native Clay			
24		Massive structure			
25		Light brown color			
26		Saturated			
27			7.62		
			-7.62		
		Bedrock Refusal			

Drilled By: G.E.T. Drilling
 Drill Date: 9 May 2001
 Drill Method: Solid Stem Auger
 Hole Size: 125 mm

TROW-OMM Consulting Engineers
 #210 - 4 Cataraqui Street
 Kingston, Ontario, K7K 1Z7
 T (613)542-1253 F (613)547-3767

Well Diameter: 51 mm
 Well Material: S40 PVC
 Screen: #10

Project: MK 14517 A

Ward 3 Waste Disposal Site

Client: Township of Leeds and Thousand Islands

Location: L:9 / C:BF / T:Front of Escott

Well ID: OW-3

Engineer: SW

SUBSURFACE PROFILE				WELL CONSTRUCTION DETAILS	
Depth	Symbol	Description	Depth/Elev.	Well Profile	Remarks
0		Ground Surface	0		
0			0		Piezometer Stick-Up
1		Native Material Clay Tan color Very Dry			Clay Seal (Bentonite HolePlug)
2					
3					
4			1.37		
5		Clay Massive structure Brown color Saturated	-1.37		00 Silica Sand
6					
7					
8					
9					
10					
11			3.4		
12		Bedrock Refusal	-3.4		
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					

Drilled By: G.E.T. Drilling

Drill Date: 9 May 2001

Drill Method: Solid Stem Auger

Hole Size: 125 mm

TROW-OMM Consulting Engineers

#210 - 4 Cataraqui Street

Kingston, Ontario, K7K 1Z7

T (613)542-1253 F (613)547-3767

Well Diameter: 51 mm

Well Material: S40 PVC

Screen: #10

Project: MK 14517 A

Ward 3 Waste Disposal Site

Client: Township of Leeds and Thousand Islands

Location: L:9 / C:BF / T:Front of Escott

Well ID: OW-4

Engineer: SW

SUBSURFACE PROFILE				WELL CONSTRUCTION DETAILS	
Depth	Symbol	Description	Depth/Elev.	Well Profile	Remarks
0 ft m		Ground Surface	0		
1		Native Material Clay Tan color Very Dry	0		Piezometer Stick-Up
2					Clay Seal (Bentonite HolePlug)
3					
4			1.37		
5		Clay Massive structure Brown color Saturated	-1.37		
6					
7					00 Silica Sand
8			2.74		
9		Bedrock Refusal	-2.74		
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					

Drilled By: G.E.T. Drilling

Drill Date: 9 May 2001

Drill Method: Solid Stem Auger

Hole Size: 125 mm

TROW-OMM Consulting Engineers

#210 - 4 Cataraqui Street

Kingston, Ontario, K7K 1Z7

T (613)542-1253 F (613)547-3767

Well Diameter: 51 mm

Well Material: S40 PVC

Screen: #10

Project: MK 14517 A

Ward 3 Waste Disposal Site

Client: Township of Leeds and Thousand Islands

Location: L:9 / C:BF / T:Front of Escott

Well ID: OW-5

Engineer: SW

SUBSURFACE PROFILE				WELL CONSTRUCTION DETAILS	
Depth	Symbol	Description	Depth/Elev.	Well Profile	Remarks
0 ft m		Ground Surface	0		
1			0		Piezometer Stick-Up
2		Native Material			
3		Clay			Clay Seal (Bentonite HolePlug)
4		Tan color			
5		Very Dry	1.52		
6			-1.52		
7					
8					
9					
10		Clay			00 Silica Sand
11		Massive structure			
12		Brown color			
13		Saturated			
14					
15			4.72		
16		Bedrock Refusal	-4.72		
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					

Drilled By: G.E.T. Drilling

Drill Date: 9 May 2001

Drill Method: Hollow Stem Hammer

Hole Size: 51 mm

TROW-OMM Consulting Engineers

#210 - 4 Cataraqui Street

Kingston, Ontario, K7K 1Z7

T (613)542-1253 F (613)547-3767

Well Diameter: 26 mm

Well Material: S40 PVC

Screen: #10

Project: MK 14517 A

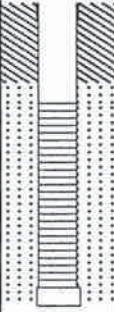
Ward 3 Waste Disposal Site

Client: Township of Leeds and Thousand Islands

Location: L:9 / C:BF / T:Front of Escott

Well ID: OW-6

Engineer: SW

SUBSURFACE PROFILE				WELL CONSTRUCTION DETAILS	
Depth	Symbol	Description	Depth/Elev.	Well Profile	Remarks
0		Ground Surface	0		Piezometer Stick-Up Clay Seal (Bentonite HolePlug) 00 Silica Sand
1		Native Material Clay Tan color Very Dry	0		
2					
3					
4			1.37		
5		Silty Clay Massive structure Brown color Saturated Sand lenses 1.8-2.3m	-1.37		
6					
7			2.29		
8			-2.29		
9		Bedrock Refusal			
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					

Drilled By: G.E.T. Drilling

Drill Date: 10 May 2001

Drill Method: Hollow Stem Hammer

Hole Size: 51 mm

TROW-OMM Consulting Engineers

#210 - 4 Cataraqui Street

Kingston, Ontario, K7K 1Z7

T (613)542-1253 F (613)547-3767

Well Diameter: 26 mm

Well Material: S40 PVC

Screen: #10

Project: MK 14517 A

Ward 3 Waste Disposal Site

Client: Township of Leeds and Thousand Islands

Location: L:9 / C:BF / T:Front of Escott

Well ID: OW-7

Engineer: SW

SUBSURFACE PROFILE				WELL CONSTRUCTION DETAILS	
Depth	Symbol	Description	Depth/Elev.	Well Profile	Remarks
0		Ground Surface	0		
0			0		Piezometer Stick-Up Clay Seal (Bentonite HolePlug)
1					
2		Native Material			
3		Clay			
4		Tan color			
5		Very Dry	1.45		
6			-1.45		00 Silica Sand
7		Silty Clay			
8		Massive structure			
9		Brown color			
10		Saturated	3.05		
11			-3.05		
12		Bedrock Refusal			
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					

Drilled By: G.E.T. Drilling

Drill Date: 10 May 2001

Drill Method: Hollow Stem Hammer

Hole Size: 51 mm

TROW-OMM Consulting Engineers

#210 - 4 Cataraqui Street

Kingston, Ontario, K7K 1Z7

T (613)542-1253 F (613)547-3767

Well Diameter: 26 mm

Well Material: S40 PVC

Screen: #10

Project: MK 14517 A

Ward 3 Waste Disposal Site

Client: Township of Leeds and Thousand Islands

Location: L:9 / C:BF / T:Front of Escott

Well ID: OW-8

Engineer: SW

SUBSURFACE PROFILE				WELL CONSTRUCTION DETAILS	
Depth	Symbol	Description	Depth/Elev.	Well Profile	Remarks
0 ft 0 m		Ground Surface	0		
1			0		Piezometer Stick-Up
2					Clay Seal (Bentonite HolePlug)
3		Native Material			
4		Clay			
5		Tan color			
6		Very Dry	1.83		00 Silica Sand
7			-1.83		
8		Silty Clay			
9		Massive structure			
10		Brown color			
11		Saturated	3.05		
12			-3.05		
13		Bedrock Refusal			
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					

Drilled By: G.E.T. Drilling

Drill Date: 10 May 2001

Drill Method: Hollow Stem Hammer

Hole Size: 51 mm

TROW-OMM Consulting Engineers

#210 - 4 Cataraqui Street

Kingston, Ontario, K7K 1Z7

T (613)542-1253 F (613)547-3767

Well Diameter: 26 mm

Well Material: S40 PVC

Screen: #10

Project: MK 14517 A

Ward 3 Waste Disposal Site

Client: Township of Leeds and Thousand Islands

Location: L:9 / C:BF / T:Front of Escott

Well ID: OW-9

Engineer: SW

SUBSURFACE PROFILE				WELL CONSTRUCTION DETAILS	
Depth	Symbol	Description	Depth/Elev.	Well Profile	Remarks
0 ft m		Ground Surface	0		
1		Native Material	0		Piezometer Stick-Up
2		Clay			Clay Seal (Bentonite HolePlug)
3		Tan color			
4		Very Dry	1.22		
5		Silty Clay	-1.22		
6		Massive structure			00 Silica Sand
7		Brown color			
8		Saturated			
9			2.74		
10		Bedrock Refusal	-2.74		
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					

Drilled By: G.E.T. Drilling

Drill Date: 10 May 2001

Drill Method: Hollow Stem Hammer

Hole Size: 51 mm

TROW-OMM Consulting Engineers

#210 - 4 Cataraqui Street

Kingston, Ontario, K7K 1Z7

T (613)542-1253 F (613)547-3767

Well Diameter: 26 mm

Well Material: S40 PVC

Screen: #10

Project: MK 14517 A

Well ID: OW-10

Ward 3 Waste Disposal Site

Client: Township of Leeds and Thousand Islands

Location: L:9 / C:BF / T:Front of Escott

Engineer: SW

SUBSURFACE PROFILE				WELL CONSTRUCTION DETAILS	
Depth	Symbol	Description	Depth/Elev.	Well Profile	Remarks
0		Ground Surface	0		
0			0		Piezometer Stick-Up
1					
2		Native Material			
3		Clay			Clay Seal (Bentonite HolePlug)
4		Tan color			
5		Very Dry	1.52		
6			-1.52		
7		Silty Clay			00 Silica Sand
8		Massive structure			
9		Brown color	2.82		
10		Saturated	-2.82		
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					

Drilled By: G.E.T. Drilling

Drill Date: 10 May 2001

Drill Method: Hollow Stem Hammer

Hole Size: 51 mm

TROW-OMM Consulting Engineers

#210 - 4 Cataraqui Street

Kingston, Ontario, K7K 1Z7

T (613)542-1253 F (613)547-3767

Well Diameter: 26 mm

Well Material: S40 PVC

Screen: #10



Trow Associates Inc.
210 The Woolen Mill
4 Cataraqui Street
Kingston, Ontario

Project No.: MK14517-C

Monitoring Well: OW-11

Project: Escott Waste Disposal Site

Client: Township of Leeds and Thousand Islands

Location: 227 Escott Rockport, Mallorytown, ONT

Logged by: L. Frink

SUBSURFACE PROFILE				SAMPLE		Well Completion Details	Comments
Depth	Symbol	Description	Depth/Elev.	Moisture	Recovery		
0 ft 0 m		Ground Surface					Piezometer 1.37 m Benseal Sand Pack Water level Between 2.44 & 2.74 m Slot Size 10 Screen Refusal @ 3.89 m Possible cave in at bottom of hole
1		CLAYEY SILT Dark brown with rootlets	0.25	D	70%		
2		SILTY CLAY Fine, dark brown	0.61	D	100%		
3		SILTY CLAY Mottled dark brown and grey					
4							
5				D	100%		
6							
7			2.26				
8		SILTY CLAY Mottled medium brown to grey					Water level Between 2.44 & 2.74 m Slot Size 10 Screen Refusal @ 3.89 m Possible cave in at bottom of hole
9				W	100%		
10							
11			3.48				
12		CLAYEY SILT Fine-mottled medium brown to grey					Refusal @ 3.89 m Possible cave in at bottom of hole
13				W	100%		
14			4.22				
15		SILTY CLAY Mottled medium brown and grey	4.45	W	100%		Possible cave in at bottom of hole
16		End of Borehole					

Drilled By: G.E.T. Drilling

Hole Size: 50 mm

Drill Method: Jack Hammer

Datum: 89.462

Drill Date: July 29, 2003

Sheet: 1 of 1



Trow Associates Inc.
 210 The Woolen Mill
 4 Cataraqui Street
 Kingston, Ontario

Project No.: MK14517-C

Monitoring Well: OW-12

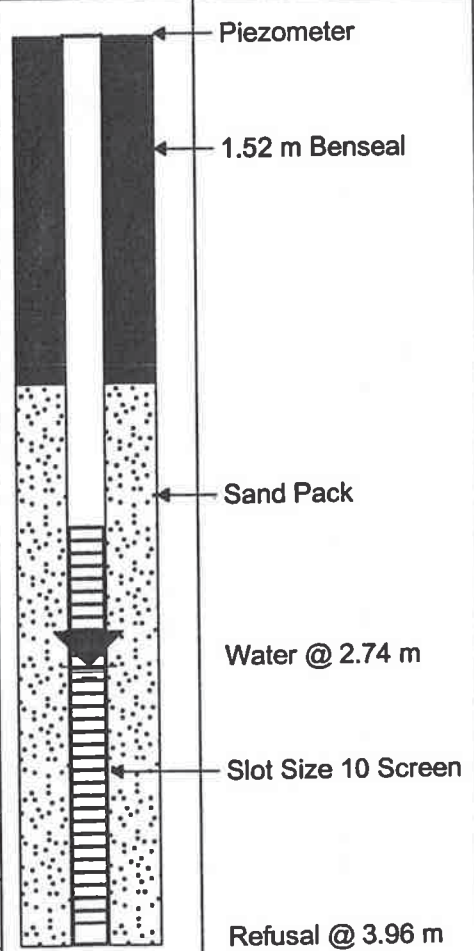
Project: Escott Waste Disposal Site

Client: Township of Leeds and Thousand Islands

Location: 227 Escott Rockport, Mallorytown. ONT

Logged by: L. Frink

SUBSURFACE PROFILE				SAMPLE		Well Completion Details	Comments
Depth	Symbol	Description	Depth/Elev.	Moisture	Recovery		
0		Ground Surface					
0.41		Clayey Silt Traces of sand. Dark brown	0.41	D	60 %		
3.10		Silty Clay Mottled medium brown to grey	3.10	D			
3.38		Clayey Silt Medium brown to mottled grey	3.38	M			
3.66		Silty Clay Mottled medium brown and grey	3.66	M			
3.96		Silty Clay Grey	3.96	M			
		End of Borehole					



Drilled By: G.E.T. Drilling

Hole Size: 50 mm

Drill Method: Jack Hammer

Datum: 88.912

Drill Date: July 29, 2003

Sheet: 1 of 1



Trow Associates Inc.
 210 The Woolen Mill
 4 Cataraqui Street
 Kingston, Ontario

Project No.: MK14517-C

Monitoring Well: OW-13

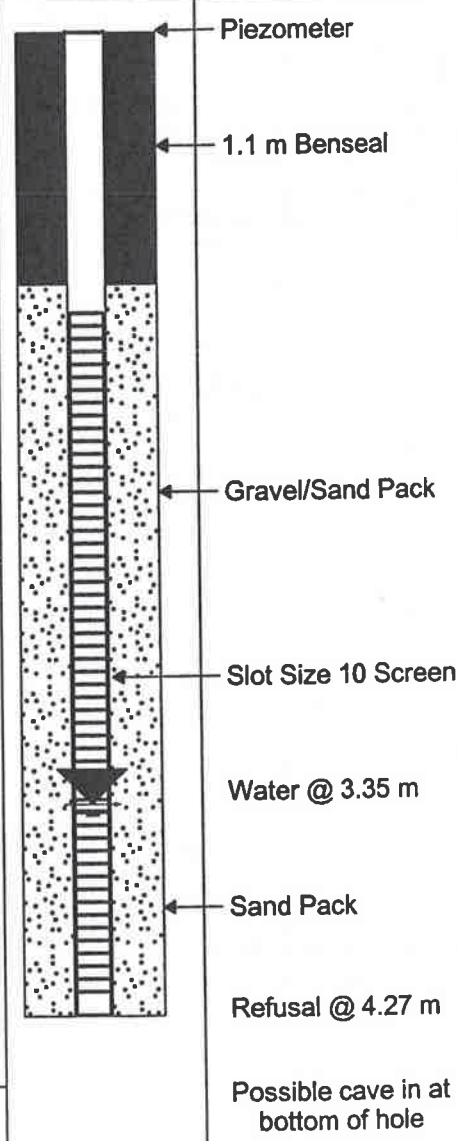
Project: Escott Waste Disposal Site

Client: Township of Leeds and Thousand Islands

Location: 227 Escott Rockport, Mallorytown, ONT

Logged by: L. Frink

SUBSURFACE PROFILE				SAMPLE		Well Completion Details	Comments
Depth	Symbol	Description	Depth/Elev.	Moisture	Recovery		
0 ft 0 m		Ground Surface	0.00				
0.20		Topsoil Black decomposed material	0.20	D	100 %		
1		Silty Clay Black		D	100 %		
2		Silty Clay Mottled grey to dark brown	0.71				
3		Silty Clay Mottled medium brown and grey					
4				D	100 %		
5							
6							
7			2.29				
8		Silty Clay- Trace Silt Mottled medium brown to grey					
9							
10							
11				M	100 %		
12							
13							
14							
15			4.57				
16		End of Borehole					



Drilled By: G.E.T Drilling

Hole Size: 50 mm

Drill Method: Jack Hammer

Datum: 90.557

Drill Date: July 29, 2003

Sheet: 1 of 1



Trow Associates Inc.
 210 The Woolen Mill
 4 Cataraqui Street
 Kingston, Ontario

Project No.: MK14517-C

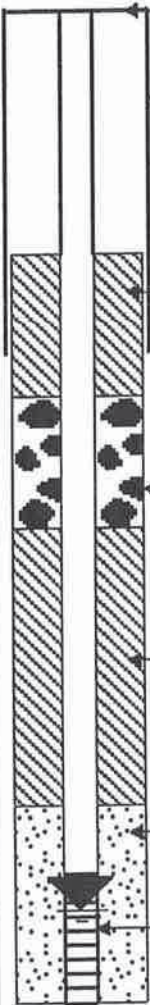
Monitoring Well: BW-1

Project: Escott Waste Disposal Site

Client: Township of Leeds and Thousand Islands

Location: 227 Escott Rockport, Mallorytown, ONT

Logged by: L.Frink

SUBSURFACE PROFILE				SAMPLE		Well Completion Details	Comments
Depth	Symbol	Description	Depth/Elev.	Moisture	Recovery		
ft m -3 -1		Ground Surface	0.00				Piezometer stick-up 1.07 m
2		Silty Clay Brown.	2.13				Steel Casing
7		Sandstone Brown.	2.74				
12		Sandstone Red.	3.66				
17		Sandstone Grey/Red	4.57				Bentonite
22		Granite Red.					
27							
32							Gravel and Bentonite Mix
37							
42							
47							Bentonite
52			16.76				
57		Granite Gray.	18.59				Sand Pack
62		Granite Red.					Water @ 19.81 m
67						Slot Size 10 Screen	
72			21.95			Bottom of hole @ 21.95 m	
77		End of Borehole					

Drilled By: Knox Well Drilling

Drill Method: Rotary Percussion

Drill Date: Aug. 29, 2003

Hole Size: 50 mm

Datum: 90.87 m

Sheet: 1 of 1



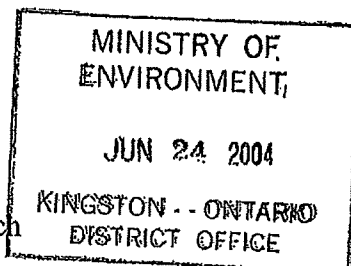
Trow Associates Inc.

315 The Woolen Mill, 4 Cataraqui Street
Kingston, Ontario K7K 1Z7
kingston@trow.com / www.trow.com

Telephone: (613) 542-1253 / Facsimile: (613) 547-3767

Reference: 14517-X

Ms. Margaret Wojcik, P. Eng.
Ministry of the Environment
Environmental Assessment and Approvals Branch
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5



June 22, 2004

Via Facsimile
416-314-8452
& Regular Mail

**Application for Approval of Waste Disposal Site
Amendment for Changes in Operations, and Expansion of Site
Ward 3 (Escott) Waste Disposal Site A441073
Leeds and the Thousand Island Township
United Counties of Leeds and Grenville
MOE Reference Number: 9969-5WVJDB**

Dear Ms. Wojcik:

Thank you for your correspondence dated May 4, 2004 concerning the above noted application. The purpose of this letter is to provide the additional information requested. The information is provided in the same order as requested in your May 4 correspondence.

1. We agree with your comment; interim cover should be comprised of permeable material. The plans in the report will be revised to specify this (see note No. 4 on Dwg. OP-1).
2. We agree with your comment. As much of the existing impermeable cover as possible will be removed and will be stockpiled. The stockpile area(s) have been identified on Dwg. OP-1.
3. We collected four (4) samples of the existing cover across the site to verify the permeability. A grain size analysis identified three (3) of the four (4) samples as a silty clay with some or a trace of sand, and gravel or trace of gravel. The fourth sample was found to be a gravelly sand with some silt and trace of clay. Therefore, this material is a till and is not suitable to be used as an interim cover. Accordingly, the existing cover will be removed, stockpiled and used as final cover (see # 2 above).
4. Specifications for stripping and stockpiling the existing cover and post-stripping contours are as follows:

Brampton (Greater Toronto-Head Office) + Barrie + Cambridge + Cornwall + Dorval (Greater Montreal)
+ Hamilton + Iqaluit + Kamloops + London + Markham + North Bay + Orillia + Ottawa + Simcoe +
Sudbury + Tallahassee + Thunder Bay + Vancouver + Welland + Windsor



- a) Strip the existing cover as aerial filling progresses. For example, strip the existing cover at south limit and utilize to create perimeter berms. Perimeter berms will eventually cover and encapsulate the sides of the above-grade landfill.
- b) Continue as the existing landfill is exposed.
- c) Cover any exposed waste with a 150 mm minimum or more of permeable material to establish a working surface.

The final contours as shown in our report are based on minimum 4:1 slopes; they will not change. However, the volume estimates will change due to the final cover being removed from the calculation (see # 12 below).

5. A track front-end loader will be used for waste compaction.
6. During the months of May through to the end of September, waste will be covered with an interim cover material weekly, on Tuesdays, as a minimum, with additional applications as required. Furthermore, stockpiled interim cover material will be applied at any time that site conditions warrant. (Please note: the landfill is open only on Tuesdays and Saturdays.)
7. We agree with your comment. Interim cover needs to be applied in landfilled areas not in use for more than six (6) months. 150 mm of material will be put in place. This will be noted on the site plan.
8. Yes, we would like to have the option to use shredded glass mixed with soil as an interim cover.
9. The municipality would like to continue to burn brush and wood on-site. The brush and wood burning area is shown on the site plan. The following are proposed specifications relating to the burning of brush and clean wood:
 - The piles of clean wood and brush to be burned will be no larger than 4.0 metres by 3.0 metres in area, and 2.0 metres high;
 - The burning will be initiated with paper;
 - The burning location is shown on Dwg. OP-1;
 - Areas designated for burning shall be cleared of vegetation;
 - Burning shall be permitted in small piles only subject to weather conditions;
 - All fires will be completely extinguished before the end of the work day;
 - Fires will not be started using flammable liquids such as petroleum products and/or rubber;
 - After each burning event the fire pit shall be cleaned out and ashes properly disposed;
 - All necessary fire fighting equipment shall be placed within or in the close vicinity of the burning area including a soil stockpile for emergency extinguishing of the fire; and,
 - Each burning event shall be supervised and immediately extinguished if supervision is no longer available.

10. Settling ponds (i.e., siltation control traps) are proposed to settle out sediments by capturing surface run-off and temporarily detaining it. Surface run-off will be contaminated by sediment not leachate. Perimeter lift initiating berms will contain any precipitation falling on the refuse. The remaining potential avenue for the contamination of surface runoff is via seepage which is expected to occur at most small landfills where leachate is controlled by natural attenuation.
11. We believe that it is actually Section 53 of the OWRA. An application will be made when the works are needed.
12. a) We included final cover material in all calculations previously submitted.
 - b) The volume of in-place waste is 3.0 metres deep and includes final cover material, which ranges from 0.6 to 2.1 metres in thickness. If 0.6 metres are subtracted, this leaves 2.4 metres of waste. Accordingly, the statement that "overfilling has occurred" should be retracted.
 - c) The volume of material that can be added by aerial filling is limited by the following criteria:
 - i) 4:1 side slopes and footprint area/configuration (long and narrow); and
 - ii) the amount of cover material that can be salvaged and re-used.

Assuming there is 2.4 metres of landfill over 0.7 hectares, including in-situ native soils between trenches, then there is approximately 16,800 m³ of material in place. This leaves a maximum 23,200 m³ space available (40,000 m³ - 16,800 m³) for additional landfill including daily and interim cover. Some of this available space is already consumed by existing final cover material, and some is lost to accommodate 750 mm of final cover over the aerial fill within the final contours.

In effect, there is only 12,500 m³ of space available above existing grade, excluding final cover.

This space can be increased by the amount of existing cover material salvaged. (It is not possible to fit 40,000 m³ of waste, plus 750 mm final cover, within the existing footprint due to its elongated configuration and existing ground elevations. To accommodate 40,000 m³, the footprint area must increase or the amount of existing cover material salvaged must be increased.)

It is impractical to recover all of the final cover material that has been placed. For volume calculations, we previously assumed 50 percent could be salvaged (5,000 m³). This would produce an available volume of 17,500 m³ for waste and interim cover.

The final volume encapsulated within the landfill footprint at 4:1 final slopes will consist of 16,800 m³ of waste (including in-situ soils) placed by burial, plus approximately 5,000 m³ of unsalvageable final cover material, plus 5,000 m³ of waste and interim cover space made available by removing 5,000 m³ of existing final cover, plus 12,500 m³ of space obtained for

waste and interim cover by filling aerially, plus 7,500 m³ of final cover material to cap the landfill. The total amount of material encapsulated, including final cover and in-situ soil wedges, will be approximately 46,800 m³. There will be a net of 39,300 m³ of waste, interim cover and unsalvageable burial method cover, plus 7,500 m³ is final cover beneath the contours shown on Dwg OP-1. The final volume will reflect the amount of existing cover that can be salvaged up to a total volume of 40,000 m³ excluding final capping material.

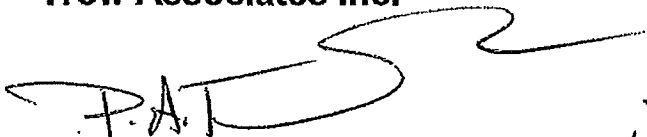
If the 2.4 metres depth of approved landfill, or 7,200 m³ volume, within the un-excavated footprint area of 0.3 ha is considered, then the expansion would be equal to the above 12,500 m³ plus salvaged cover ($\pm 5,000$ m³) or 17,500 m³ minus 7,200 m³, or approximately 10,300 m³.

13. As per your recommendation, we contacted Mr. Peter Taylor, Senior Environmental Officer, Ministry of Environment in Kingston regarding details on a suitable public consultation program for this proposal. It was agreed that an Open House be held to communicate the proposal to the public. The Open House was scheduled for June 3, 2004 at 3:00 p.m. with a second session at 6:30 p.m. However, the notice was only partially printed by the newspaper. Nevertheless, the Open House was held anyway because a large sign with the notice was also posted at the landfill, informing the public of the proposal with an invitation to the Open House. Two (2) people attended the Open House on June 3, 2004. A second Open House was held on June 11, 2004 at 3:00 p.m. with an evening session at 7:00 p.m. This notice was successfully advertised in the Gananoque Reporter on June 9, 2004 (proof of notice attached). A large sign was again posted at the landfill to advise the public on the proposal with an invitation to the Open House. There were no public attendees at the June 11, 2004 Open House.

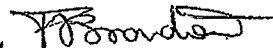
Trusting that the above is satisfactory. However, please do not hesitate to contact the undersigned if you have any questions.

Yours truly,

Trow Associates Inc.



Paula A. Formanek, M. Sc. (Eng.), P. Geo. Sr. Hydrogeologist
Branch Manager



Jamieson S. Gourley, P.Eng.
Senior Engineer

Attachments:

cc: Peter Taylor, Senior Environmental Officer, Ministry of the Environment, Kingston, Ontario



Trow Associates Inc.
315 The Woolen Mill
4 Cataraqui Street
Kingston, Ontario

Project No.: MK14517

Monitoring Well: BW-3

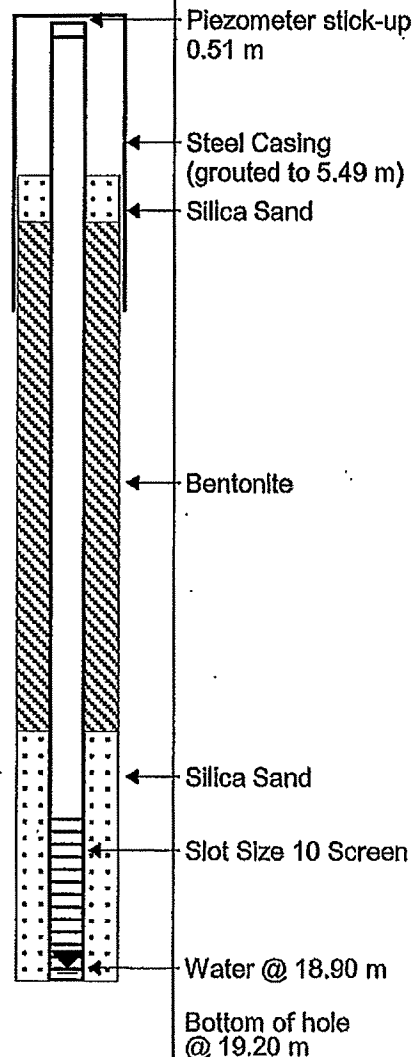
Project: Escott Waste Disposal Site

Client: Township of Leeds and the Thousand Islands

Location: 227 Escott-Rockport Road, Rockport, Ontario

Logged by: T. Virtue

SUBSURFACE PROFILE				SAMPLE		Well Completion Details	Comments
Depth	Symbol	Description	Depth/Elev.	Moisture	Recovery		
ft m							
-3 -1		Ground Surface	0.00				
2		Clay Brown					
7							
12 4			5.18				
17		Sandstone Grey	6.40				
22		Sandstone Greyish Red					
27							
32 9							
37							
42			12.80				
47 14		Granite Red	13.41				
52		Granite Redish Grey	15.55				
57		Granite Red					
62 19		Granite Redish Grey	18.90				
67		End of Borehole	19.20				
72							



Drilled By: Knox Well Drilling

Hole Size: 50 mm

Drill Method: Rotary Percussion

Datum:

Drill Date: October 4, 2005

Sheet: 1 of 1

Project No.: MK14517

Monitoring Well: BW-2

Project: Escott Waste Disposal Site

Client: Township of Leeds and the Thousand Islands

Location: 227 Escott-Rockport Road, Rockport, Ontario

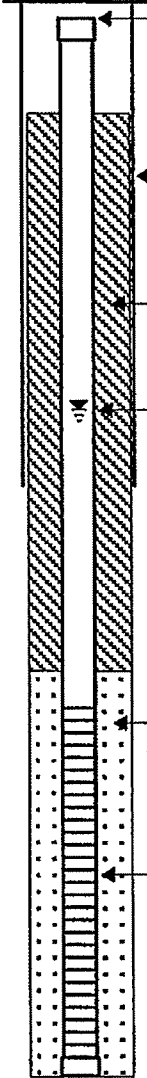
Logged by: T. Virtue

Trow Associates Inc.

315 The Woolen Mill

4 Cataraqui Street

Kingston, Ontario

SUBSURFACE PROFILE				SAMPLE		Well Completion Details	Comments
Depth	Symbol	Description	Depth/Elev.	Moisture	Recovery		
ft m -3 -1							Piezometer stick-up 0.91 m Steel casing grouted to 3.05 m Bentonite Water level 2.42 m at time of drilling Silica Sand Slot Size 10 Screen Bottom of hole at 7.92 m
		Ground Surface	0.00				
		Clay Brown. Dry.	0.46				
2		Granite Red/White					
7							
12			3.66				
4		Granite Red					
			4.88				
17							
22							
			7.92				
27		End of Borehole					

Drilled By: Jack Knox Well Drilling

Hole Size: 50 mm

Drill Method: Air Percussion

Datum:

Drill Date: August 28, 2006

Sheet: 1 of 1

