



April 22, 2020

Ministry of the Environment, Conservation and Parks
1259 Gardiners Road, Unit 3
Kingston, ON K7P 3J6

E-mail: thandeka.ponalo@ontario.ca

Attention: Ms. Thandeka Ponalo
Senior Environmental Officer

Re: 2019 Annual Monitoring Report
Barry's Bay Waste Disposal Site, Township of Madawaska Valley, Ontario
Pinchin File: 202412

Pinchin Ltd. (Pinchin) on behalf of the Township of Madawaska Valley, completed the 2019 Annual Monitoring Report for the Barry's Bay Waste Disposal Site (Site). The Site operated under Environmental Compliance Approval (ECA) A413403, issued April 11, 1978, and has been closed to waste management operations since September 1998.

Based on the results of the Pinchin 2019 monitoring program, the following recommendations were provided:

- Continue annual summer sampling monitoring well locations BH 2, BH B, BH C-S, BH D-D, BH D-S, BH E, BH L, BH M, BH N and BH G during the 2019 sampling event;
- Groundwater monitoring shall be completed with analyses for the comprehensive list of the parameters outlined in the ECA for the summer sampling event. It is recommended that groundwater monitoring be completed during the summer to allow continued trend analysis, and to determine the need and scope of a long-term monitoring program for the Site. Considering the dataset completed thus far, it is Pinchin's opinion that sampling should continue in 2020 before the adequacy of the monitoring program can be fully evaluated;
- VOC analysis has not quantified any detectable concentrations of these parameters it is recommended that this component of the monitoring program be discontinued as it does not provide any additional or useful information pertaining to the evaluation or performance of the Site;
- Surface water sampling at monitoring locations SW1, SW3, SW4 and SW5 should also be conducted on an annual basis during the spring and summer sampling events. Considering the dataset completed thus far, it is Pinchin's opinion that sampling should continue in 2020 before the adequacy of the monitoring program can be fully evaluated;
- The discontinuation of methane gas detection readings during all upcoming sampling events;



2019 Annual Monitoring Report

Barry's Bay Waste Disposal Site, Township of Madawaska Valley, Ontario
Ministry of the Environment, Conservation and Parks

April 22, 2020
Pinchin File: 202412

- It is Pinchin's recommendation that the inspection frequency be changed to semi-annual inspections as a result of substantial vegetative cover located at the Site, coinciding with semi-annual monitoring events;
- It is recommended that the compilation of a formal report for submission to the MECP be completed on a biennial basis (once every two years); and
- The Client should continue to ensure that the requirements as specified in the ECA are complied with.

Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Pinchin Ltd.

Prepared by:

Reviewed by:

Brandon Guzzo-Foliaro, M.Env.Sc., RESA
Senior Project Technologist – Sault Ste. Marie

1-705-575-9207 Ext. 3508
bguzzofoliaro@pinchin.com

Jake Rebellato, B.Sc.(Env), C.E.T., EP
Operations Manager – Sault Ste Marie

1-705-575-9207 Ext. 3509
jrebellato@pinchin.com

Cc: Hilary Kutchkoskie - Township of Madawaska Valley

\\PIN-SSM-FS01\job\202000s\0202412.000 TWP MADAWASKA, Various Sites, EDR, Env Monitor\Portfolio Sites\Barry's Bay Landfill Site\Deliverables\MECP\202412 2019 Cover Letter Barrys Bay WDS MECP APR 22 2020.docx

Template: Master Template for Peer Review Letter, EDR, December 29, 2016