



MEMORANDUM

DATE: June 23, 2023
TO: Cathy Chisholm, District Manager, Ministry of the Environment,
Conservation and Parks (MECP)
CC: Craig Dobiech (MECP)
Chris Prucha, Noah Wayt and Chad Moose (WMCC)
FROM: François Richard and Matthew DeGeer (BluMetric)
PROJECT NO: 230130-03
SUBJECT: Results Notification Amendment
WM Richmond Landfill Town of Greater Napanee

This memorandum is provided on behalf of Waste Management of Canada Corporation (WMCC) to supplement the Results Notification memorandum issued June 7, 2023, as required by Condition 8.12 of Environmental Compliance Approval (ECA) No. A371203 dated March 19, 2021 for the Richmond Landfill, Town of Greater Napanee, Ontario. This condition of the ECA stipulates that monitoring results shall be reported to the MECP District Manager within 48 hours of the initial data screening if they meet the following condition:

- *1,4-dioxane is detected above 1 µg/L at any groundwater or domestic well where 1,4-dioxane has not been detected in the past or at any surface water monitoring location.*

RESULTS

The groundwater and surface water sampling were completed as part of the spring semi-annual monitoring event between May 08 – 12, 2023, following the requirements outlined in the latest EMP for the site.

The analytical results for the sample collected from on-site intermediate monitoring well OW1, installed in the bedrock groundwater flow zone and located to the north of the waste mound showed the presence of 1,4-dioxane at a concentration of 0.0012 mg/L, slightly above the laboratory reportable detection limit (RDL) of 0.001 mg/L.

Tel. 877.487.8436

BluMetric Environmental Inc.

The Tower, The Woolen Mill, 4 Cataraqui Street, Kingston, Ontario Canada K7K 1Z7

www.blumetric.ca



Following the initial data screening, a data quality review (DQR) was completed by the laboratory to rule out possible cross contamination or other laboratory issues. Since this is the first time that 1,4-dioxane is detected at this location (all results since 2013 have been below detection), combined with the very low concentration (only 0.0002 mg/L higher than the RDL), a request was immediately made to the laboratory to analyze the second sample (split sample) collected from monitoring well OW1 on May 10, 2023 (at the same time as the original sample), in order to confirm the initial result.

Analytical results for the analysis of the split sample returned a value below the limit of detection (<0.001 mg/L). This result is consistent with historical results for OW1 and suggests that the initial result can be considered as a false positive.

CLOSING

The complete results from the latest environmental monitoring event will be reported as part of the spring semi-annual monitoring report by July 15, 2023, as required by ECA Condition 14.1.

We trust the above information is satisfactory. If you have any questions or need further information regarding the completed work, please do not hesitate to contact the undersigned.

Respectfully submitted,
BluMetric Environmental Inc.



François Richard, Ph.D., P.Geo.
Senior Hydrogeologist



Matthew DeGeer, GIT
Geoscientist in Training