

Ministry of the Environment

P.O. Box 22032
Kingston, Ontario
K7M 8S5
613/549-4000 or 1-800/267-0974
Fax: 613/548-6908

Ministère de l'Environnement

C.P. 22032
Kingston (Ontario)
K7M 8S5
613/549-4000 ou 1-800/267-0974
Fax: 613/548-6908



MEMORANDUM

03 July 2009

TO: G. Davis
Sr. Environmental Officer
Ottawa District Office
Eastern Region

FROM: F. Crossley
Hydrogeologist
Technical Support Section
Eastern Region

RE: Comments on 2008 Annual Report – Ottawa Landfill
Waste Management of Canada Corporation
Lots 3 and 4, Concession III, Geographic Region of West Carleton
City of Ottawa
A461002

A meeting/teleconference was held on June 30, 2009 between Waste Management and their consultants Water and Earth Sciences Associates Ltd. (WESA) and representatives from this Ministry. The meeting was held in this Ministry's Kingston Office.

I previously reviewed the "2008 Annual Report – Ottawa Landfill" dated March, 2009 (received May, 2009) and provided comments in a memorandum dated May 29, 2009. Waste Management/WESA discussed my comments with respect to the need for additional monitoring wells at the eastern extent of the contaminant attenuation zone.

Waste Management/WESA stated that it would be difficult to install appropriate monitoring wells at the eastern limit of the contaminant attenuation zone. The consultants state that Karson's recirculation ponds are located along this boundary. The consultants also state that they were concerned that the ponds would influence the groundwater quality at this location. To this end, the consultants propose that the existing monitoring wells (W44-3, W56-2 and W79) would be continued to be monitored and that the trends would be evaluated.

Exceedances of the Reasonable Use Limits/Prediction Limits occur at W44-3, W56-2 and W79. W79 is located along the northern portion of the contaminant attention zone. Additional work by Waste Management and their consultants is being undertaken in this area to bring the site into conformance. W44-3 and W56-2 are located approximately 200 metres from the hydraulic downgradient limit of the eastern boundary of the contaminant attenuation zone.

Based on the separation distance between the impacted monitoring wells and the hydraulic downgradient limit of the contaminant attenuation zone and the concentrations of the exceedances with respect to the limits, the proposed approach (trend analysis) is acceptable.

A handwritten signature in blue ink, appearing to read "F. Crossley", is positioned above the typed name.

F. Crossley, P.Geo.

/sh

c: B. Metcalfe
P. Taylor
P. Kehoe
File GW-03-03, West Carleton Township OTTC (A461002)
FC/IDS #2460-7RALW