



JAN 29 2015

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

DIRECTOR'S JOURNAL

Tremont Landfill Company
c/o Mr. Tom Danis
The Greene
70 Birch Alley, Suite 246
Beavercreek, Ohio 45440

RE: Tremont Landfill
Director's Authorization
Approval
Municipal Solid Waste Landfill
Clark County
MSWL019365

Subject: Selection of Corrective Measure for Monitoring Well MW-8D

Dear Mr. Danis:

On May 5, 2014, the Ohio Environmental Protection Agency (Ohio EPA), Division of Materials and Waste Management (DMWM), Southwest District Office (SWDO) received a revised corrective measures plan (CMP) titled Corrective Measures Plan MW-8D, Tremont Landfill Company, Tremont Sanitary Landfill, dated April 30, 2014, for Tremont Landfill (Facility) located in Clark County. The revised CMP was submitted by Hull & Associates, Inc. on behalf of Tremont Landfill Company, to address Ohio EPA comments concerning drafts dated August 7, 2009; May 24, 2013; and November 21, 2013. The CMP, dated April 30, 2014, also addresses comments received during the facility's public meeting, held on January 21, 2014 in accordance with OAC Rule 3745-27-10(F)(4).

The Facility is a closed municipal solid waste landfill and is currently in assessment monitoring for statistically significant increases in sodium and chloride in monitoring well MW-8D. Ground water impacts appear to be associated with road salt de-icing on the roadway adjacent to monitoring well MW-8D.

The CMP proposes the following five alternatives for corrective measures:

1. source control cut-off wall
2. source control extraction well
3. cut-off wall and ground water extraction
4. ground water pump and treat
5. continued monitoring with action levels

Alternative number 5, continued monitoring and action levels, is proposed by Tremont Landfill Company as the preferred corrective measure. Continued monitoring and action levels will address the potential presence of waste derived constituents along the eastern perimeter of the Facility in the vicinity of monitoring well MW-8D. Eastern perimeter monitoring wells MW-8D and A97-70 have been designated as corrective measures monitoring wells and they are sampled semi-annually. Both monitoring wells are screened in the uppermost sand and gravel aquifer, referred to as the Clarkco aquifer system.

Monitoring well MW-8D has no detections of volatile organic compounds. Sodium and chloride have been detected at statistically significant concentrations above background. Sodium has ranged from 9.3 to 50.7 mg/l, while chloride has ranged from 33 to 118 mg/l with a declining trend. The average molar ratio of sodium to chloride at MW-8D, located adjacent to the access road, is 0.67. This ratio is typical of halite dissolution, and potentially the result of road salt de-icing.

Twenty-five sets of flow measurements collected over a 30 month time period determined that the eastern perimeter is subject to seasonal flow reversals (Eagon, 2000). Previous studies have concluded that the extent of ground water migration from the MW-8D area is limited to the eastern perimeter area. The correlative absence of volatile organic compounds in the adjacent Clarkco property monitoring wells located to the east further supported a lack of significant off-property migration.

Ohio EPA has reviewed the April 30, 2014 CMP, received May 5, 2014, and determined that the proposed alternative number 5 meets the requirements of OAC Rule 3745-27-10(F). Therefore, I select the corrective measure alternative number 5 to be implemented at the Facility as described in the CMP. Tremont Landfill Company shall implement the selected corrective measure in accordance with the April 30, 2014 CMP.

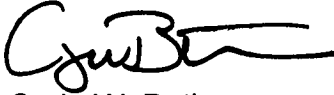
You are hereby notified that this action of the Director of Environmental Protection (Director) is final and may be appealed to the Environmental Review Appeals Commission (Commission) pursuant to Ohio Revised Code Section 3745.04. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00 made payable to "Treasurer, State of Ohio." The Commission, in its discretion, may reduce the fee if by affidavit it is demonstrated that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
77 South High Street, 17th Floor
Columbus, Ohio 43215

Mr. Tom Danis
Tremont Landfill
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If you have any questions concerning this action, please contact Maria Lammers of Ohio EPA, SWDO at (937) 285-6046.

Sincerely,

A handwritten signature in black ink, appearing to read 'Craig W. Butler', with a stylized flourish at the end.

Craig W. Butler
Director

cc: Anne Kaup-Fett, Clark County Combined Health District
Tracy Buchanan, DMWM, SWDO