



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

OHIO E.P.A.

MAR 18 2015

ENTERED DIRECTOR'S JOURNAL

MAR 18 2015

Mike Heher
Carbon Limestone Landfill
8100 South Stateline Road
Lowellville, OH 44436

Re: **BFI CLD Landfill LFG Power Station
Director's Authorization
Final Approval
Municipal Solid Waste Landfill
Mahoning County
MSWL019386**

**Subject: BFI CLD Landfill LFG Power Station, Mahoning County
Ohio Administrative Code (OAC) Rule 3745-27-10(D)(7)(c)(ii) Approval**

Dear Mr. Heher:

On February 9, 2015, Ohio Environmental Protection Agency (Ohio EPA), Division of Materials and Waste Management (DMWM), Northeast District Office (NEDO), received a document titled "2014 Resample Data Submittal, OAC 3745-27-10(D)(7)(b) Declaration of Statistical Exceedances for Chloride at MW-2R and MW-138A, OAC 3745-27-10(D)(7)(c)(ii) Alternate Source Demonstration - County Land Development (CLD) Landfill," for the BFI CLD Landfill LFG Power Station (Facility) located in Mahoning County. This document was submitted by Eagon & Associates, Inc. on behalf of the Facility and was dated February 6, 2015. The document contains the ground water sampling results and the statistical analysis from the December 15 and 16, 2014, sampling event at the facility.

According to the document, analysis of the ground water detection monitoring data indicated that the following statistically significant changes were detected: chloride at well MW-2R and chloride at MW-138A.

Pursuant to OAC Rule 3745-27-10(D)(7)(c)(ii), the owner or operator may demonstrate that a source other than the sanitary landfill facility caused the contamination, or that the statistically significant change resulted from error in sampling, analysis, or statistical evaluation or natural variation in ground water quality. A report documenting this demonstration must be submitted to and approved by Ohio EPA. If the owner or operator does not obtain approval to continue detection monitoring within two hundred ten (210) days from initial sampling, the owner or operator is required to comply with the provisions of OAC Rule 3745-27-10(E) for ground water quality assessment monitoring.

The February 6, 2015, document concluded that the statistically significant changes for chloride in ground water samples at well MW-2R and 138A were due to a source other than the landfill, namely, natural variation in ground water quality. Chloride data for MW-2R shows a very slow increasing trend, but the data is still at very low concentrations (maximum 9.0 mg/L). The variations in concentrations (< 2 mg/L) are also within the normal range of laboratory measurement error. The MW-2R ground water quality data will be closely monitored for any other potential indications of landfill impact. The MW-138A chloride data shows a steady seasonal trend over the last three

years, with the first semiannual samples 20 to 100 mg/L below the prediction limit and the second semiannual samples 10 to 60 mg/L above the prediction limit. While this data is currently acceptable to Ohio EPA, the MW-138A data will be closely monitored for any other possible indications of landfill impact to ground water.

Ohio EPA has reviewed the applicable information and concurs with the demonstration included in the February 6, 2015, document. Therefore, pursuant to OAC Rule 3745-27-10(D)(7)(c)(ii), the owner or operator is hereby authorized to continue the detection monitoring program at the Facility for monitoring wells MW-2R and MW-138A.

Should future or existing ground water sampling results indicate statistically significant changes in ground water monitoring parameters, the owner or operator will be required to either enter into assessment monitoring in accordance with OAC Rule 3745-27-10(E) or obtain approval to remain in the detection monitoring program.

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 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 the 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 St., 17th Floor
Columbus, Ohio 43215

If you have any questions concerning this letter, please contact Clarissa Gereby, Ohio EPA, NEDO at (330) 963-1224.

Sincerely,



Kurt Princic, Chief, NEDO
for Craig W. Butler, Director

KP:CG:cla

cc: Lynn Sowers, Ohio EPA, NEDO, DMWM
Mark Caetta, Ohio EPA, NEDO, DDAGW
Dave Fetchko, Mahoning County Health Department
Butch Bradburn, Allied Waste