



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

UNFILED DIRECTOR'S JOURNAL

MAY 11 2015

Scott Herman
Mahoning Landfill, Inc.
3510 Garfield Rd.
New Springfield, Ohio 44443

RE: Mahoning Landfill, Inc
Director's Authorization
Approval
Municipal Solid Waste Landfills
Mahoning County
MSWL018785

**Re: Mahoning Landfill, Mahoning County
Ohio Administrative Code (OAC) Rule 3745-27-10(D)(7)(c)(ii) Approval**

Dear Mr. Herman:

On February 17, 2015, the Ohio Environmental Protection Agency (Ohio EPA), Division of Materials and Waste Management (DMWM), Northeast District Office (NEDO) received a document titled "OAC Rule 3745-27-10(D)(7)(c)(ii) Alternative Source Demonstration," dated February 13, 2015, for the Mahoning Landfill (Facility) located in Mahoning County. This document was submitted by Eagon and Associates on behalf of Mahoning Landfill and contains the ground water sampling results and the statistical analysis from the October 27, 2014, ground water 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: potassium in monitoring well UC-22, ammonia in monitoring wells LF-6 and MKS-8, sodium in monitoring well LF/MKC-5, arsenic in monitoring well MKS-8, and barium in MKS-7.

Verification sampling was performed on December 9, 2014. Analysis of the re-sampling data demonstrated that the statistically significant change for arsenic in monitoring well MKS-8 was a false positive. However, the re-sampling data verified the statistically significant changes for potassium in monitoring well UC-22, ammonia in monitoring wells LF-6 and MKS-8, sodium in monitoring well LF/MKC-5, and barium in MKS-7.

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 13, 2015, document concluded that the statistically significant changes for potassium in monitoring well UC-22, ammonia in monitoring wells LF-6 and MKS-8, sodium in

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monitoring well LF/MKC-5, and barium in MKS-7 were due to natural variation in ground water quality and not as a result of impact from the landfill. Monitoring wells were initially sampled on October 27, 2014.

Ohio EPA has reviewed the applicable information and concurs with the demonstration included in the February 13, 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 UC-22, LF-6, LF/MKC-5, MKS-8, and MKS-7.

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 Street, 17th Floor
Columbus, Ohio 43215

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

Sincerely,



Kurt M. Princic, Chief
Northeast District Office
for Craig W. Butler, Director

KMP:CG:cla

cc: Lynn Sowers, Ohio EPA, NEDO, DMWM
Scott Hester, Ohio EPA, Central Office, DMWM
Dave Fetchko, Mahoning County Health Department