



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

OHIO E.P.A.

DEC 10 2015

ENTERED DIRECTOR'S JOURNAL

DEC 10 2015

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

**Re: Carbon Limestone Landfill, LLC  
Authorization  
Approval  
Municipal Solid Waste Landfills  
Mahoning County  
MSWL018781**

**Subject: Carbon Limestone Landfill, LLC  
Ohio Administrative Code (OAC) Rule 3745-27-10(D)(7)(c)(ii) Approval**

Dear Mr. Heher:

On September 15, 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) Alternate Source Demonstration Report for Cobalt in MW-204A; Barium in Well MW-205B; Ammonia and Chloride in MW-217A; Sodium in Well MW-208B; Ammonia and Sodium in Well MW-240A; Chloride and Sodium in P-26A; and Arsenic in Well MW-110A, Request for Director's Approval,*" dated September 14, 2015, for Carbon Limestone Landfill, LLC. (Facility) located in Mahoning County. This document was submitted by Eagon and Associates, Inc., and contains the ground water sampling results and the statistical analysis from the May 19, 2015, 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: arsenic in groundwater samples from well MW-110A (0.0067 mg/L); chloride and sodium in groundwater samples from well P-26A (14.5 mg/L and 5.19 mg/L, respectively); sodium in groundwater samples from well MW-208B (346 mg/L) and well MW-240A (192 mg/L); chloride in ground water samples from well MW-217A (15 mg/L); ammonia in ground water samples from well MW-217A (0.49 mg/L) and MW-240A (1.0 mg/L); cobalt in ground water samples from well MW-204A (0.0067 mg/L); and barium in ground water samples from well MW-205B (0.098 mg/L).

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

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operator does not obtain approval to continue detection monitoring not later than 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 September 14, 2015, document concluded that the statistically significant changes for chloride in ground water samples from well MW-217A; cobalt in ground water samples from well MW-204A; ammonia in ground water samples from wells MW-217A and MW-240A; barium in ground water samples from well MW-205B; and sodium in ground water samples from well P-26A and well MW-240A were due to natural variation and not as a result of impact from the landfill. The September 14, 2015, document also concluded that the statistically significant differences for for arsenic in groundwater samples from well MW-110A, chloride in groundwater samples from well P-26A and sodium in groundwater samples from well MW-208B were due to a source other than the landfill. The statistically significant differences were a result of changes caused by on-site construction activities related to passive drainage system features and cell construction activities, combined with increased precipitation since 2007, and not as a result of impact from the landfill.

Ohio EPA has reviewed the applicable information and concurs with the demonstration included in the September 14, 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 wells MW-204A, MW-205B, MW-217A, MW-208B, MW-240A, P-26A and MW-110A.

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:

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Environmental Review Appeals Commission  
77 South High St., 17<sup>th</sup> Floor  
Columbus, Ohio 43215

If you have any questions concerning this action, please contact Clarissa Gereby, DMWM, 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  
Dave Fetchko, Mahoning County Health Department  
Joe Montello, Republic Services  
Tom Jenkins, Eagon & Assoc.