



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

OHIO E.P.A.

JUN 26 2015

ENTERED DIRECTOR'S JOURNAL

JUN 26 2015

Mr. John Butler  
Sr. Site Engineer  
Rumpke Sanitary Landfill, Inc.  
10795 Hughes Road  
Cincinnati, Ohio 45251

Re: Rumpke Sanitary Landfill  
Director's Authorization  
Approval  
Municipal Solid Waste Landfills  
Hamilton County  
MSWL018791

**Subject: Rumpke Sanitary Landfill, Hamilton County  
Ohio Administrative Code (OAC) Rule 3745-27-10(D)(7)(c)(ii) Approval**

Dear Mr. Butler:

On February 20, 2015, the Ohio Environmental Protection Agency (Ohio EPA), Division of Materials and Waste Management (DMWM), Southwest District Office (SWDO) received a document titled "Statistical Analysis of Detection Monitoring Results, 2014 Second Semiannual Sampling Event," dated February 9, 2015, for Rumpke Sanitary Landfill (Facility) located in Hamilton County. This document was submitted by Eagon & Associates, Inc., on behalf of Rumpke Sanitary Landfill, Inc., and contains the ground water sampling results and the statistical analysis from the December 8-10, 2014 ground water sampling event at the Facility. Additional documentation dated April 28, 2015 and June 2, 2015 was submitted to Ohio EPA to supplement the February 9, 2015 request.

According to the documents the analysis of the ground water detection monitoring data indicated a statistically significant change was detected for methyl isobutyl ketone (MIBK) in monitoring well P-21D. Sampling for tritium was performed on April 22, 2015 to support the statistically significant change for MIBK in monitoring well P-21D.

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 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 conclusion that the statistically significant change for MIBK at monitoring well P-21D was due to change in laboratory with lower PQL capabilities for detecting MIBK and natural presence in site ground water, and not as a result of impact from the landfill is supported by the February 9, 2015, April 28, 2015 and June 2, 2015 documents.

Mr. John Butler  
Rumpke Sanitary Landfill, Inc.  
Page 2 of 2

Ohio EPA has reviewed the applicable information and concurs with the demonstration included in the February 9, 2015, April 28, 2015 and June 2, 2015 documents. 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 well P-21D.

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., 17<sup>th</sup> Floor  
Columbus, Ohio 43215

If you have any questions concerning this action, please contact Maria Lammers, DMWM, SWDO at (937) 285-6046.

Sincerely,



Michael Proffitt, Assistant Chief  
Southwest District Office  
for Craig W. Butler, Director

cc: Tracy Buchanan, DMWM, SWDO  
John McGinnis, DDAGW, SWDO  
Chuck DeJonckheere, Solid Waste Unit, Hamilton County Public Health