



State of Ohio Environmental Protection Agency

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Browning-Ferris Industries of Ohio, Inc.  
Mr. Daniel Titus  
District Environmental Manager  
43502 Oberlin-Elyria Rd.  
Oberlin, Ohio 44074

**RE: BFI Lorain County II Landfill  
Lorain County  
Ohio Administrative Code (OAC) Rule 3745-27-10(D)(7)(c)(ii) Approval**

Dear Mr. Titus:

On March 3, 2006, the Ohio Environmental Protection Agency (Ohio EPA), Division of Solid and Infectious Waste Management (DSIWM), Northeast District Office (NEDO) received a document titled "*OAC 3745-27-10(D)(7)(c)(ii) Demonstration that the Statistical Exceedance for Ammonia at well MW-205R is not a Result of Landfill Activities - BFI - Lorain County II Landfill, Oberlin, Ohio*" dated March 2, 2006, for the BFI-Lorain County II Landfill located in Lorain County. This document was submitted by Brown and Caldwell on behalf of BFI-Lorain County II Landfill and contains the statistical analysis from the October 2005 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 change was detected: ammonia in monitoring well MW-205R. The concentration, 1.3 mg/L, was slightly above the prediction limit, but was consistent with the historical data from the well. The well was resampled on December 14, 2005 and January 12, 2006 and a statistical exceedance was confirmed on both dates.

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.

Bob Taft, Governor  
Jennette Bradley, Lieutenant Governor  
Joseph P. Koncelik, Director

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The March 2, 2006 document concluded that the statistically change for ammonia at monitoring well MW-205R, is due to error in statistical evaluation, and not as a result of impact from the landfill. The owner/operator contends that the current statistical method being used is resulting in a false positive and an alternate statistical method would be more appropriate.

Ohio EPA has reviewed the applicable information and concurs with the demonstration included in the March 2, 2006 document. Ohio EPA agrees that an intrawell statistical analysis method would be more appropriate for ammonia at monitoring well MW-205R. The owner/operator should revise the statistical analysis plan accordingly.

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 MW-205R.

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 Ohio EPA (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 for the action complained of and the grounds upon which the appeal is based. It must be filed with the Commission within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director within three (3) days after filing with the Commission. An appeal may be filed with the Commission at the following address:

Environmental Review Appeals Commission  
309 South Fourth Street  
Room 222  
Columbus, Ohio 43215

If you have any questions concerning this letter, please contact Clarissa Gereby, Division of Solid and Infectious Waste Management, Northeast District Office, Ohio EPA, at (330) 963-1224.

Sincerely,

William Skowronski, Chief, Northeast District Office, for  
Joseph P. Koncelik, Director

cc: Murat Tukul, DSIWM, NEDO  
Scott Hester, DSIWM, CO  
John Sabo, Lorain County Health Department  
File:[LAND/BFI Lorain County II Landfill/ GRO/47]