

**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
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OHIO E.P.A.

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Mohammad Ali
Waste Management
American Landfill
7916 Chapel Street, S.E.
Waynesburg, OH 44688-9700

I certify this to be a true and accurate copy of the
official documents as filed in the records of the Ohio
Environmental Protection Agency.

Janet Lassiter Date: 11-8-10

**RE: AMERICAN LANDFILL, STARK COUNTY
OHIO ADMINISTRATIVE CODE (OAC) RULE 3745-27-10(D)(7)(c)(ii) APPROVAL
2010 FIRST SEMIANNUAL DETECTION MONITORING EVENT**

Dear Mr. Ali:

On September 2, 2010, the Ohio Environmental Protection Agency (Ohio EPA), Division of Solid and Infectious Waste Management (DSIWM), Northeast District Office (NEDO) received a document titled *2010 First Semiannual Groundwater Monitoring Demonstration OAC Rule 3745-27-10(D)(7)(c)(ii) Request for Director's Approval* dated August 30, 2010, for the American Landfill (Facility) located in Stark County. This document was submitted by Eagon and Associates, Inc. and contains the ground water sampling results and the statistical analysis from the April 2010/May 2010 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 differences (SSDs) were detected: sodium at well AMW-3; sodium at well AMW-4; potassium at well AMW-5; ammonia at well AMW-11A; ammonia at well AMW-15; sodium at well LKC-3A; sodium and chloride at well LKC-4; potassium at well LKC-5; potassium and chloride at well LKC-7; potassium, sodium and chloride at well UC-2; selenium at well PHL/BC-1; benzene at well PHL/BC-4; barium at well PHL/BC-10; sodium at well PHL/BC-11; selenium at well PHL/BC-12; selenium at well PHL/BC-14; selenium at well PHL/BC-16; and sodium, chloride, barium and selenium at well PHL/BC-17.

Verification sampling was performed on May 26, 2010. Analysis of the re-sampling data demonstrated that the statistically significant changes for sodium in well AMW-4; ammonia in well AMW-11A; potassium in well LKC-5; potassium and chloride in well LKC-7; selenium in well PHL/BC-1; benzene in well PHL/BC-4; barium in well PHL/BC-10; selenium in well PHL/BC-12; selenium in well PHL/BC-14; selenium in well PHL/BC-16; and barium and selenium in well PHL/BC-17 were false positives. Therefore, the following

monitoring wells were automatically returned to the detection monitoring program pursuant to OAC Rule 3745-27-10(D)(7)(c)(i) for the initial SSDs in the April 2010 sampling event: AMW-4 for sodium; AMW-11A for ammonia; LKC-5 for potassium; LKC-7 for potassium and chloride; PHL/BC-1 for selenium; PHL/BC-4 for benzene; PHL/BC-10 for barium; PHL/BC-12 for selenium; PHL/BC-14 for selenium; PHL/BC-16 for selenium; and PHL/BC-17 for barium and selenium. Ohio EPA acknowledges the return of these wells to the detection monitoring program. However, the re-sampling data verified the SSDs for sodium at well AMW-3; potassium at well AMW-5; ammonia at well AMW-15; sodium at well LKC-3A; sodium and chloride at well LKC-4; potassium, sodium and chloride at well UC-2; sodium at well PHL/BC-11; and sodium and chloride at well PHL/BC-17.

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 SSDs 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 September 2, 2010, submittal concluded that the SSDs of sodium at well AMW-3; potassium at well AMW-5; ammonia at well AMW-15; sodium at well LKC-3A; sodium and chloride at well LKC-4; potassium, sodium and chloride at well UC-2; sodium at well PHL/BC-11; and sodium and chloride at well PHL/BC-17 were false positives due to an alternative source and variability within the uppermost aquifer system (UAS) and the significant zone of saturation (SZS).

Ohio EPA has reviewed the applicable information and concurs with the demonstration included in the September 2, 2010, submittal for monitoring wells AMW-3, AMW-5, AMW-15, LKC-3A, LKC-4, UC-2, PHL/BC-11, and PHL/BC-17. 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 AMW-3, AMW-5, AMW-15, LKC-3A, LKC-4, UC-2, PHL/BC-11, and PHL/BC-17.

Should future or existing ground water sampling results indicate SSIs 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 is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and

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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 "Ohio Treasurer Kevin Boyce," which the Commission, in its discretion, may reduce if by affidavit you demonstrate 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
309 South Fourth Street, Room 222
Columbus, Ohio 43215

If you have any questions concerning this letter, please contact Joshua Adams of Ohio EPA, DSIWM-NEDO at (330) 963-1103.

Sincerely,



William T. Skowronski
Chief, Northeast District Office
for Chris Korleski
Director, Ohio EPA

WTS/CK/JA/cl

cc: Scott Hester, DSIWM-CO
Jeff Rizzo, DDAGW-NEDO
Joshua Adams, DSIWM-NEDO
Kirk Norris, Stark County Health Department
File: [Land/American/AUT/76]
DSIWM ID #3487