



State of Ohio Environmental Protection Agency

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Knox County Commissioners
117 East High Street
Mount Vernon, Ohio 43050

**RE: KNOX COUNTY: KNOX COUNTY LANDFILL, OAC 3745-27-10(D)(7)(c)
GROUND WATER DEMONSTRATION**

Dear Commissioners:

During April 2004, a ground water sampling event was conducted at the Knox County Landfill. The results of that sampling were received by this agency in July 2004, along with a notification of a statistically significant change. The notification of statistical change was for chloride in wells CW8A and CW6, arsenic in CW15, 1,1-dichloroethane, and cis-1,2-dichloroethene in well CW2.

Ohio Administrative Code (OAC) 3745-27-10(D)(7)(c) requires facilities who have identified statistically significant increases in ground water monitoring parameters to receive approval from the director in order to remain in detection monitoring. If a facility does not receive approval within 210 days of ground water sampling, the facility is required to initiate their assessment monitoring program.

A demonstration pursuant to Ohio Administrative Code (OAC) 3745-27-10(D)(7)(c) was submitted on August 24, 2004. This submittal included the resampling results for arsenic in well CW15, chloride in wells CW8A and CW6, and 1,1-dichloroethane, and cis-1,2-dichloroethene in well CW2. The resample results for arsenic in well CW15 was below the tolerance limit. The resampling of well CW2 confirmed the statistically significant result for cis-1,2-dichloroethene, however, 1,1-dichloroethane was not statistically significant. Finally, when wells CW8A and CW6 were resampled, the initial elevated concentrations were confirmed.

Representatives from the Division of Drinking and Ground Waters and the Division of Solid and Infectious Waste Management have reviewed the aforementioned documents to determine the facility's compliance with OAC Rule 3745-27-10. Ohio EPA concurs with the fact that arsenic in well CW15 and 1,1-dichloroethane in well CW2 are false positives. As a result, CW15 may remain in detection monitoring. However, we do not concur with the

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demonstration for chloride in CW8A and CW6 and the demonstration for cis-1,2-dichlorethane in well CW2. Based on our review, Knox County LF is required to enter into assessment for wells CW8A, CW6 and CW2, following OAC 3745-27-10(E). In addition, a meeting should be set up with the Central District office to further discuss the current Corrective Measures Plan.

You are hereby notified, that this action of the Director of Environmental Protection 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 ground 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 of filing with the Commission.

An appeal may be filed with the Commission at the following address:

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

If you should have any comments or questions on the above, feel free to contact Laura Parkinson in the Central District Office at (614) 728-3889.

Sincerely,

Craig Butler, Acting Chief, Central District Office
for Christopher Jones, Director
Ohio Environmental Protection Agency

pc: Bennett & Williams
Knox County Health Dept.
DDAGW/CDO
CDO file