



State of Ohio Environmental Protection Agency

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City of Fairborn
Mr. Robert Sowers
44 West Hebble Avenue
Xenia, Ohio, 45324-4999

**Re: Closed City of Fairborn Landfill, Greene County
Corrective Measures Plan - Selection of Corrective Measure**

Dear Mr. Robert Sowers:

On August 26, 2008, the Ohio Environmental Protection Agency (Ohio EPA), Southwest District Office (SWDO) received a revised Corrective Measures Plan (CMP) for the closed City of Fairborn Landfill (Facility). The original CMP was received December 7, 2007 and subsequent revised copies were received April 14, 2008; June 25, 2008; and August 26, 2008. The CMP was submitted pursuant to Ohio Administrative Code (OAC) Rule 3745-27-10(F) by the City of Fairborn for elevated arsenic levels in the ground water at monitoring wells WW-A, WW-B1, WW-C, WW-E1 and WW-E2.

The Facility is a closed municipal solid waste landfill located at 2373 Beaver Valley Road, Fairborn, Ohio, Greene County. The Facility operated between 1956 and 1987, and received municipal and industrial solid wastes. The Facility completed closure in February of 1989. The public meeting for the CMP was held on January 23, 2008, in Fairborn, Ohio.

Through the CMP, The City of Fairborn recommends Alternative 2 of the four (4) evaluated corrective measures: "Alternative 2 – Increase Monitoring and Address Physical Problems of the Landfill." The CMP discusses Alternative 2, in part, as follows:

Alternative 2 steps up the amount of monitoring from semi-annually to quarterly to assess the effectiveness of natural attenuation. The increased field testing will include turbidity readings to rule out the presence of excessive sediment and continuous ORP readings while sampling to better delineate the possible anoxic zone associated with the elevated levels of arsenic.

Along with the increased monitoring, Alternative 2 will also address physical short comings at the landfill that may have allowed increased percolation of surface water. Low areas of the cap will be filled in, old vents will be removed and filled in and the small tributary that runs along the southern end of the landfill will be routed further to the south of the buried waste to keep it away from WW-A and to prevent flooding the southwest corner of the property. The swale that runs from east to west across the

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Lee Fisher, Lieutenant Governor
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landfill face and about half way down will be re-established to expedite storm water runoff from the upper portion of the landfill.

The CMP also includes the following contingencies for Alternative 2:

Alternative 3 shall be implemented if, in addition, to the elevated arsenic concentration in monitoring wells WW-A, WW-B1, WW-C, WW-E1 and WW-E2, the arsenic concentration in monitoring wells WW-F1 or WW-F2 exceeds 10 ppb for two (2) consecutive sampling events. Alternative 4 will be implemented if the arsenic concentration in any of the new down gradient wells installed under Alternative 3 equals or exceeds the 10 ppb action level for two (2) consecutive sampling events and an arsenic concentration equal to or greater than 10 ppb is detected in monitoring wells WW-F1 or WW-F2.

Ohio EPA has reviewed the CMP and has determined the CMP fulfills the requirements of OAC Rule 3745-27-10(F). Therefore, pursuant to OAC Rule 3745-27-10(F)(10), I hereby select Alternative 2 – Increase Monitoring and Address Physical Problems of the Landfill as the corrective measure that is to be implemented at the Facility. This corrective measure is to be implemented at the Facility in accordance with the following conditions:

Conditions

1. In accordance with OAC Rule 3745-27-10(F), The City of Fairborn shall implement the selected corrective measure at the Facility.
2. The City of Fairborn Landfill ground water monitoring wells shall be sampled in accordance with the CMP.

You are hereby notified that this action of the 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 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

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If you have any questions concerning this letter, please contact Jill Olberding of Ohio EPA, Southwest District Office at 937-285-6094.

Sincerely,

Chris Korleski
Director

cc: Mr. Scott Hester, DSIWM,
Ms. Jill Olberding, DSIWM, SWDO
Ms. Beth Lackey, Greene County Combined Health District