



State of Ohio Environmental Protection Agency

**Northwest District Office**

347 North Dunbridge Road  
Bowling Green, OH 43402-9398

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Ted Strickland, Governor  
Lee Fisher, Lieutenant Governor  
Chris Korleski, Director

Re: Seneca County  
Sunny Farms Landfill  
Ground Water

February 25, 2009

Mr. Chris Valerian  
12386 Township Road 108  
Fostoria, OH. 44830

Dear Mr. Valerian:

The owner/operator of the Sunny Farms Landfill (facility) is currently required to maintain a ground water assessment and detection monitoring program for the facility. The facility is presently in assessment in two areas down gradient of the landfill due to statistically significant increases.

Ohio Environmental Protection Agency (Ohio EPA) reviewed the December 23, 2008 Groundwater Quality Assessment Report 2008 (report) in order to determine compliance with the requirements of OAC Rule 3745-27-10(E).

**COMMENTS**

**Violations**

- 1. The owner/operator is in violation of Ohio Administrative Code (OAC) Rule 3745-27-10(C)(1)(a) requiring the owner/operator to use the procedures documented in the sampling and analysis plan contained in the ground water quality assessment plan (GWQAP). In order to avoid a violation in future sampling events, the owner/operator should continue purging until the turbidity has stabilized over three successive readings.**

According to the GWQAP, page 41, lines 9-11 and fourth bullet, "Sampling will proceed when drawdown has stabilized and the following criteria have been met for the four measured field parameters over three successive readings ... turbidity -  $\pm$  10 percent (when greater than 10 nephelometric turbidity units [NTU])..." According to the groundwater monitoring well record forms for MP21A and MP23A, the turbidity did not stabilize within 10% over the last three readings.

**More Information Needed To Determine Compliance**

- 2. Compliance with OAC Rule 3745-27-10(E)(6) requiring a determination of rate, extent and concentration of the waste derived constituents that exist beyond the facility boundary unless permission from landowners cannot be obtained.**

**To maintain compliance with OAC Rule 3745-27-10(E)(6) the owner/operator must determine the rate, extent and concentration of the waste derived constituents that exist beyond the facility boundary in the area of wells MP7AR and MP25A (Area of Concern (AOC-1) or submit a copy of the written access request and if a response is provided, a copy of the written statement denying access.**

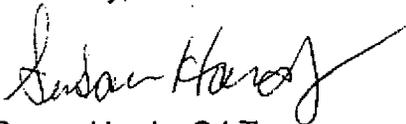
According to the potentiometric surface maps, ground water flows offsite to the west northwest from well MP25A. The concentration maps for arsenic, chloride, iron, magnesium, nickel, and selenium show the contamination extends beyond well MP25A offsite. Additional wells/investigation needs to be conducted offsite downgradient of AOC-1 in order to maintain compliance with OAC Rule 3745-27-10(E)(6).

### Statements

- 3. The owner/operator contends throughout the report that the significant zone of saturation consists of discontinuous sand seams. As seen on the boring logs, although the thickness and gradation of these sands may vary from boring to boring (sand, silty clayey sand, silty sand, silt, etc.), the zone is monitored around the entire existing landfill.**

If you have any questions please contact Jack Leow at the Ohio EPA, Northwest District Office, Division of Drinking and Ground Waters, 347 N. Dunbridge Rd., Bowling Green, Ohio 43402. Submit all reports/data to Susan Hardy, Ohio EPA, Northwest District Office, Division of Solid and Infectious Waste Management, 347 N. Dunbridge Rd., Bowling Green, Ohio 43402.

Sincerely,



Susan Hardy, S.I.T.  
Environmental Specialist  
Division of Solid and Infectious Waste Management  
/csl

pc: Ed Brdicka, Sunny Farms Landfill, LLC  
Jim Mohrman, Seneca County Health Department  
John DiNunzio, Civil & Environmental Consultants  
NWDO File: Seneca County, Sunny Farms Landfill, Groundwater.  
ec: Jack Leow, DDAGW, NWDO  
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