



State of Ohio Environmental Protection Agency

Northeast District Office

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

July 28, 2008

**RE: CENTRAL WASTE
GROUND WATER
NOTICE OF VIOLATION**

CERTIFIED MAIL

Scot Evans
Central Waste, Inc.
12003 Oyster Road
Alliance, OH 44601

Dear Mr. Agnew:

The Ohio Environmental Protection Agency (Ohio EPA) has reviewed the Central Waste Landfill-OAC Rule 3745-27-10(D)(7)(c)(ii) Alternative Source Demonstration for Volatile Organic Compounds-MW-15D and MW-20S

The document is dated May 14, 2008, and was received at the Northeast District Office of Ohio EPA on May 15, 2008. The document contains an alternate source demonstration pursuant to OAC Rule 3745-27-10(D)(7)(c)(ii) for verified VOC (acetone and methyl ethyl ketone (MEK)) triggers in ground water samples from wells MW-20S and MW-15D. These wells statistically triggered for acetone and MEK during the semiannual sampling event on November 28, 2007. Re-sampling on January 16, 2008 confirmed the statistical triggers for acetone and MEK. Ohio EPA NEDO is not recommending approval of the alternate source demonstration. The 210-day deadline for these wells to remain in detection ground water monitoring expired on June 25, 2008, and the wells should have entered assessment monitoring

The owner/operator has not adequately demonstrated that the verified statistically significant differences for acetone and MEK in ground water samples from wells MW-20S and MW-15D were due to a source other than the landfill. While the owner/operator contends that a foreign substance was introduced to these wells, the owner/operator did not produce or include any verifiable evidence that a foreign substance was introduced to these wells. The owner/operator's claim is that these wells were vandalized. While this may be what actually happened, without evidence of tampering, the landfill itself cannot be ruled out as a potential source at this point. The owner/operator included the following supporting evidence that a source other than the landfill resulted in the acetone and MEK triggers:

- a.) Initial concentrations of acetone and MEK in MW-15D of 62.6 ug/L and 99.3 ug/L were reduced by two series of redevelopment to j-5.1 ug/L and 7.9 ug/L;

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- b.) Initial concentrations of acetone and MEK in MW-20S of 10,700 ug/L and 10,900 ug/L were reduced by two series of redevelopment to <5.0 ug/L and j-1.2 ug/L;
- c.) Lack of any historic VOC detections; and
- d.) Ground water flow patterns.

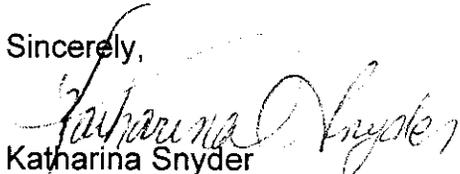
However, this is how Ohio EPA would expect a ground water detection monitoring program to work. Ground water is sampled, analyzed and statistically significant detections are reported. Just because VOCs are suddenly detected in ground water is not automatic proof that wells have been tampered with. In addition, ground water flow patterns are usually very consistent at most landfills. This means downgradient wells are consistently downgradient, and upgradient wells are consistently upgradient. Again, the information provided isn't proof that the wells have been tampered with.

For the owner/operator to fully demonstrate that these VOC detections are the result of a source other than the landfill, the owner/operator will need to install and sample two additional wells. The purpose of these wells is to better delineate the source of the VOC contamination. One bedrock UAS well should be installed and sampled directly upgradient of MW-15D (i.e. between MW-15D and the limits of waste placement). This will verify whether or not the landfill is the source of the VOC contamination at MW-15D. And, one glacial SZS well should be installed directly upgradient of MW-20S. This will verify if a previously unknown source of VOC contamination has migrated to, and is impacting water quality at MW-20S.

Nothing in this letter shall be construed to authorize any waiver from the requirements of any applicable state or federal laws or regulations. This letter shall not be interpreted to release the Entity from responsibility under Chapters 3704, 3714, 3734, or 6111 of the Ohio Revised Code or under the Federal Clean Water or Comprehensive Environmental Response, Compensation, and Liability Acts for remedying conditions resulting from any release of contaminants to the environment.

If you have any questions concerning this letter, please contact me at (330) 963-1257.

Sincerely,



Katharina Snyder
Division of Solid and Infectious Waste Management

KS:cl

cc: Mark Kroenke, DDAGW-NEDO
Mary Helen Smith, Mahoning County Health Department
File: [Sowers/LAND/CENTRAL/GRO/50] ID# 1567