



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

CENTRAL DISTRICT
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RICK SCOTT
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SECRETARY

May 21, 2013

E-Mail

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Mr. Mike Kaiser
Omni Waste of Osceola County, LLC
1501 Omni Way
St. Cloud, Florida 34773

OCD-SW-13-1477

Osceola County – SW WACS # 89544
J.E.D. Solid Waste Management Facility
Review of Status Report – Soil Vapor Extraction Pilot Test Study

Dear Mr. Kaiser:

The Department has reviewed the submittal “Status Report – Soil Vapor Extraction Pilot Test Study,” dated April 30, 2013. The report summarizes recent corrective actions taken at the facility aimed at addressing the gas monitoring exceedances and groundwater detections of VOCs. The Department has the following comments regarding the report.

1. On page 5, there is a typographical error on the table header in the column for “7/13/12.” Both columns under this heading are labeled “SP (in.).” The Department understands the first column under this heading should be “CH4 (%)” (No correction to the report is necessary.)
2. On page 2-3, the recommendation is made to extend the monitoring and evaluation period for an additional 6 to 9 months. The Department accepts the recommendation to extend the monitoring and evaluation period for 9 months.
3. During the next quarterly report and analysis of data, include a discussion of the following:
 - a. Benzene is one of the known chemicals which permeate HDPE geomembrane.
 - What is the concentration of benzene in the leachate?
 - Is there a way to sample the leachate from the leak detection layer?
 - If so, what is the concentration of benzene in the leak detection leachate in the area near MW-1A and MW-4A?

- b. What types of waste being disposed in the landfill might be contributing to the benzene concentration (for example, contaminated soils, household solvents, etc.)? Describe any ways to lessen the chance of benzene being disposed in the landfill.
- c. Do disposal records indicate any specific waste stream disposed in the landfill that might be the source of the benzene, for example, a specific clean-up project which included contaminated soil containing benzene?
- d. Should the benzene plume be delineated? Currently groundwater monitoring wells MW-1A and MW-4A are approximately 25 feet from the property boundary. Should additional wells at the property boundary in line and at the same depth as MW-1A and MW-4A be installed?

If you have any questions, please contact Kim Rush at (407) 897-4314 or by e-mail at kim.rush@dep.state.fl.us.

Sincerely,



Kimberly M. Rush, P.E.
Solid Waste Permitting

KR

cc:

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