

From: [Rainey, Allen](#)
To: [Michael Kaiser](#)
Subject: Quarterly Monitoring Report, Perimeter Gas Monitoring Probes - October 2013, WACS ID 89544
Date: Friday, October 25, 2013 9:20:52 AM

I have reviewed the “Quarterly Monitoring Report, Perimeter Gas Monitoring Probes - October 2013” you prepared and submitted for the J.E.D. Solid Waste Management Facility on 10/16/13. The facility is required by Rule 62-701.530(2)(c), Florida Administrative Code, to sample for landfill gas and report the results to the Department.

The lower explosive limit (LEL) for methane (CH₄) is 5% by volume of air. The report appropriately gives the methane concentrations as a percent of the LEL. The facility calibrated the methane detection instrument using methane and sampled all 18 monitoring locations used to determine offsite landfill gas migration.

None of the two ambient monitoring point sampling locations in structures, excluding gas control or recovery components, exceeded 25% of the LEL (i.e., 1.25% methane by volume).

Two of the 16 soil monitoring probe sampling locations exceeded 100% of the LEL as follows:

GP-7R = 1012% of the LEL

GP-21R = 282% of the LEL

In response to exceedances during past quarterly monitoring, your facility developed a gas remediation plan that outlines the investigative and corrective actions to address the lateral migration of gases. Within the 10/16/13 report, you state you plan to expand the gas collection and control system either later this year or early 2014.

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