

Werner, Elizabeth

From: Joan Smyth [joan@rsgengineers.com]
Sent: Wednesday, August 04, 2010 4:18 PM
To: 'Elizabeth Werner'
Cc: 'Dan LaMontagne'
Subject: Chatham County Landfill LFG Monitoring Results
Attachments: Chatham Co Landfill LFG Monitoring Results 8-4-10.pdf

Elizabeth -

RSG performed the first landfill gas monitoring event at the closed Chatham County MSW Landfill today. The results of this event are attached. As you can see from the data, five (5) of the monitoring probes exhibited concentrations equal to or exceeding the lower explosive limit (100% LEL). Monitoring of the site structures (including the administration building and scalehouse) indicated no detectable concentrations of landfill gas. Given the close location of some of these probes to the waste (some probes are less than 40 feet from the edge of waste), the concentrations are not unexpected. At this time, we plan to monitor the site again in early September and then evaluate options for future work, if necessary. Please let me know if you have any questions or require additional data.

Thanks!

[Joan A. Smyth, P.G.](#)
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14 N. Boylan Avenue
Raleigh, NC 27603
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Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- Prepare one form for each individually monitored unit.
- Please type or print legibly.
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i)).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Richardson Smith Gardner and Associates, Inc.

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Joan A. Smyth, P.G. Phone: 919-828-0577 x 221

E-mail: joan@rsgengineers.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Chatham County Closed MSW Landfill	County Landfill Road Pittsboro, NC	19-01	.0500	August 4, 2010

Environmental Status: (Check all that apply)

- Initial/Background Monitoring Detection Monitoring Assessment Monitoring Corrective Action

Type of data submitted: (Check all that apply)

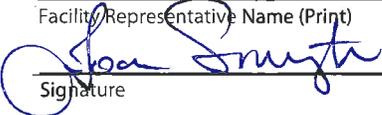
- Groundwater monitoring data from monitoring wells Methane gas monitoring data
 Groundwater monitoring data from private water supply wells Corrective action data (specify) _____
 Leachate monitoring data Other(specify) _____
 Surface water monitoring data

Notification attached?

- No. No groundwater or surface water standards were exceeded.
 Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
 Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Joan A. Smyth, P.G. Senior Hydrogeologist 919-828-0577 x 221
 Facility Representative Name (Print) Title (Area Code) Telephone Number
 8/4/10
 Signature Date Affix NC Licensed/ Professional Geologist Seal

14 N. Boylan Avenue Raleigh, NC 27603

Facility Representative Address

C0828

NC PE Firm License Number (if applicable effective May 1, 2009)

