DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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)
Closed Chatham County MSW Landfill	County Landfill Road Pittsboro, NC	19-01	.0500	October 1, 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
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☐ Surface water monitoring data
☒ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify) _____

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. — Facility Representative Name (Print)

Senior Hydrogeologist — Title

919-828-0577 x 221 — (Area Code) Telephone Number

Joan A. Smyth — Signature

10/1/10 — Date

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1369 GEOLOGIST JOAN A. SMYTH 10/1/10

14 N. Boylan Avenue Raleigh, NC 27603

Facility Representative Address

C0828

LFG MONITORING LOG
CHATHAM COUNTY MSW LANDFILL
NC SOLID WASTE PERMIT NO. 19-01

Measurement date: 10/1/10
Meter Calibration date: 9/30/10
Barometric Pressure: 29.83
Weather: Sunny/Partly Cloudy

Meter Used: Multi-Rae
Meter Calibration Type: Factory or (Gas) (circle one)
Error: ±1% LEL ±0.1 O_2 ±1 ppm H_2S

Gas Monitoring Locations	% LEL (5% CH_4 = 100% LEL)	% O_2	H_2S (ppm)	Pressure (INWC)	Probe is accessible and surrounding area is safe for employees.	Lock operates properly.	Concrete pad is present and in good condition.	Steel casing is not movable and cemented in, and is in good working condition.	Is % LEL reading equal to or above 100% in probes? *,** (circle yes or no)
MP-1	0	20.3	0	0	(Y) or N	(Y) or N	~~Y or N~~	~~Y or N~~	Y or (N)
MP-2	0	14.8	0	0	(Y) or N	(Y) or N	~~Y or N~~	~~Y or N~~	Y or (N)
MP-3	0	13	0	0	(Y) or N	(Y) or N	~~Y or N~~	~~Y or N~~	Y or (N)
MP-4	0	21	0	0	(Y) or N	(Y) or N	~~Y or N~~	~~Y or N~~	Y or (N)
MP-5	0	21	0	0	(Y) or N	(Y) or N	~~Y or N~~	~~Y or N~~	Y or (N)
MP-6	0	20.6	0	0	(Y) or N	(Y) or N	~~Y or N~~	~~Y or N~~	Y or (N)
MP-7	0	13.3	0	0	(Y) or N	(Y) or N	~~Y or N~~	~~Y or N~~	Y or (N)
MP-8	0	21	0	.05	(Y) or N	(Y) or N	~~Y or N~~	~~Y or N~~	Y or (N)
MP-9	42%	14.7%	0	.05	(Y) or N	(Y) or N	~~Y or N~~	~~Y or N~~	Y or (N)
MP-10	0	20.9%	0	0	(Y) or N	(Y) or N	~~Y or N~~	~~Y or N~~	Y or (N)
MP-11	0	20.9	0	0	(Y) or N	(Y) or N	~~Y or N~~	~~Y or N~~	Y or (N)
MP-12	0	20.9	0	0	(Y) or N	(Y) or N	~~Y or N~~	~~Y or N~~	Y or (N)
MP-13	100	14.7	0	0	(Y) or N	(Y) or N	~~Y or N~~	~~Y or N~~	(Y) or N
MP-14	0	21.1	0	.01	(Y) or N	(Y) or N	~~Y or N~~	~~Y or N~~	Y or (N)
MP-15	0	20.6	0	.12	(Y) or N	(Y) or N	~~Y or N~~	~~Y or N~~	Y or N
MP-16	100	16.5	0	0	(Y) or N	(Y) or N	~~Y or N~~	~~Y or N~~	(Y) or N
MP-17	100	17.3	0	0	(Y) or N	(Y) or N	~~Y or N~~	~~Y or N~~	(Y) or N
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N

* If yes, contact RSG immediately at (919) 828-0577.

** Notification to DWM must be provided if levels exceed limits.

Comments/ items addressed or to be addressed:

Measurements taken by: Joan Smyth, P.G.

Signature: Joan Smyth

LFG MONITORING LOG
CHATHAM COUNTY MSW LANDFILL
NC SOLID WASTE PERMIT NO. 18-01

Measurement date: 10/1/10
Meter Calibration date: 9/30/10
Barometric Pressure: 29.83
Weather: Sunny / Partly Cloudy

Meter Used: Multi-Rae
Meter Calibration Type: Factory or Gas (circle one)
Error: ±1% LEL ±0.1 O_2 ±1 ppm H_2S

Gas Monitoring Locations	% LEL (5% CH_4 = 100% LEL)	% O_2	H_2S (ppm)	Pressure (INWC)	Probe is accessible and surrounding area is safe for employees.	Lock operates properly.	Concrete pad is present and in good condition.	Steel casing is not movable and cemented in, and is in good working condition.	Is % LEL reading equal to or above 100% in probes? *, ** (circle yes or no)
Scale (NE)	0	20.9	0	NA	~~Y or N~~	Y or N	Y or N	~~Y or N~~	Y or (N)
Scale (SE)	0	20.9	0	↓	~~Y or N~~	~~Y or N~~	~~Y or N~~	~~Y or N~~	Y or (N)
Scale (NW)	0	21	0	↓	~~Y or N~~	~~Y or N~~	~~Y or N~~	~~Y or N~~	Y or (N)
Scale (SW)	0	20.9	0	↓	~~Y or N~~	~~Y or N~~	~~Y or N~~	~~Y or N~~	Y or (N)
					Y or N	Y or N	Y or N	Y or N	Y or N
Scale Maint (NE)	0	20.9	0	NA	~~Y or N~~	~~Y or N~~	~~Y or N~~	~~Y or N~~	Y or (N)
Scale Maint. (SE)	0	20.9	0	↓	~~Y or N~~	~~Y or N~~	~~Y or N~~	~~Y or N~~	Y or (N)
Scale Maint. (SW)	0	20.9	0	↓	~~Y or N~~	~~Y or N~~	~~Y or N~~	~~Y or N~~	Y or (N)
Scale maint. (NW)	0	20.9	0	↓	~~Y or N~~	~~Y or N~~	~~Y or N~~	~~Y or N~~	Y or (N)
					Y or N	Y or N	Y or N	Y or N	Y or N
Water Maint. (NE)	0	20.3			~~Y or N~~	~~Y or N~~	~~Y or N~~	~~Y or N~~	Y or (N)
Water Maint. (SE)	0	20.5			~~Y or N~~	~~Y or N~~	~~Y or N~~	~~Y or N~~	Y or (N)
Water Maint. (NW)	0	20.3			~~Y or N~~	~~Y or N~~	~~Y or N~~	~~Y or N~~	Y or (N)
Water Maint. (SW)	0	20.3			~~Y or N~~	~~Y or N~~	~~Y or N~~	~~Y or N~~	Y or (N)
					Y or N	Y or N	Y or N	Y or N	Y or N
Admin (NE)	0	20.1			~~Y or N~~	~~Y or N~~	~~Y or N~~	~~Y or N~~	Y or (N)
Admin (SE)	0	20.1			~~Y or N~~	~~Y or N~~	~~Y or N~~	~~Y or N~~	Y or (N)
Admin (SW)	0	20.1			~~Y or N~~	~~Y or N~~	~~Y or N~~	~~Y or N~~	Y or (N)
Admin (NW)	0	20.3			~~Y or N~~	~~Y or N~~	~~Y or N~~	~~Y or N~~	Y or (N)
Admin (crawl)	0	20.3			~~Y or N~~	~~Y or N~~	~~Y or N~~	~~Y or N~~	Y or (N)
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N
					Y or N	Y or N	Y or N	Y or N	Y or N

* If yes, contact RSG immediately at (919) 828-0577.

** Notification to DWM must be provided if levels exceed limits.

Comments/ Items addressed or to be addressed:

Scale house + admin buildings are trailers.

Both maintenance buildings are concrete slab on grade.

Measurements taken by: Joan Smyth, P.G.

Signature: Joan Smyth