



April 23, 2008

Jaclynne Drummond  
Division of Waste Management - Solid Waste Section  
401 Oberlin Road, Suite 150  
Raleigh, NC 27605

Re: Methane Monitoring Status Report  
Lee County Landfill - Sanford, NC  
NCDWM-Solid Waste Section Permit # 53-01  
TerraQuest Project No. 02296

Dear Ms. Drummond:

On behalf of the Lee County Public Works Department, TerraQuest Environmental Consultants, P.C. is providing the results of methane monitoring conducted for the Lee County Landfill located south of Sanford, NC. This correspondence details the scheduled quarterly monitoring of all of the landfill perimeter wells and also documents the installation and monitoring of several new monitoring points.

Previous assessment at the landfill has revealed the presence of landfill gases at concentrations equal to the lower explosive limit in four wells. Since offsite migration of such LEL violations is not permitted, TerraQuest previously recommended the installation of additional monitoring points to define the extent of LEL violation to ensure that it was not migrating offsite. With the NCDWM-SW's approval, TerraQuest personnel supervised the installation of methane monitoring wells M24 – M35 at the locations shown on the attached Figure 1 on March 26 – 27, 2008.

Wells M24 – M32 were installed with a Geoprobe model 6610DT drilling unit operated by an NC-licensed driller, while M33 – M35 were installed with a hand auger. The wells were constructed as detailed in Table 1 which shows the placement of one to two feet of solid casing attached to a screened portion into the unsaturated zone. All of the wells were finished with metal stickup protective cases and a sealing cap that incorporates both a ball valve for gas monitoring and a removable screw plug that provides access for a water level meter probe. A boring log/monitoring well installation detail for each well is attached.

As shown on Figure 1, the newly installed wells consist of two wells placed 75 feet away from the violation well, on either side, parallel to the property boundary, and one well placed perpendicularly closer to the property boundary. Note that while the violation wells, M2, M8, M9, and M13, were placed in locations that would effectively capture landfill gases migrating offsite in the vicinity of the landfill property boundary, each of the wells was located slightly further away than 50 feet from the apparent property

boundary due to hills and trees that would have made drilling access difficult. This allowed for the installation of new points that were closer to the property boundary, yet still not beyond it.

For the April 9, 2008 event, TerraQuest utilized both a catalytic organic vapor meter (as used in previous measuring events) and a LANDTEC model GEM 500 gas monitoring instrument to measure the presence/absence of LEL violations. The GEM500 also measured the percentage of methane, carbon dioxide, and oxygen gases in each well. Other measurements collected by TerraQuest personnel include temperature, barometric pressure, and the amount of water in each methane monitoring well. All of the recorded data is presented on the attached Table 2. An NCDWM-SW Environmental Monitoring Reporting Form has also been attached.

As shown in Table 2, the wells placed closer to the property boundary near M2, M9, and M13 did not have LEL violations. However, all three wells installed surrounding M8 had reported LEL violations. The well located perpendicular to the apparent property boundary (barbed-wire fence) was within 20 feet of that boundary and still had an LEL violation.

With the latest methane monitoring data in mind, TerraQuest offers the following conclusions and recommendations:

- At methane monitoring points M2, M9, and M13, the absence of LEL violations at the newly installed surrounding wells indicates that methane is not migrating offsite in those locations. TerraQuest recommends that M2, M9, and M13 be deleted from the quarterly program and M25, M31, and M34 be monitored instead.
- As shown on Figure 1, the absence of any buildings, structures, or places of public assembly in the vicinity of M8 lessens the risk posed by explosive vapors in that area.
- The presence of LEL violations in M27, M28, and M29 and the presence of trash in the borehole of M29 suggests the possibility that the property boundary has not been accurately identified in that area. While Mr. Tracy Beard of Lee County noted a run of old barbed wire in that area as the boundary, previous reports on file with the NCDWM-SW indicate that waste was not placed within 50 feet of the property boundary. TerraQuest recommends that Lee County have a licensed surveyor confirm the northern property boundary. The location of the property boundary will determine the next course of action. If the barb wire is in fact the border, TerraQuest recommends monitoring the LEL violation wells several more times to ensure that the violations persist and then installing venting trenches to remove the gases. If the boundary has not yet been reached, additional monitoring points should be installed.

Should you have any questions or concerns regarding this methane monitoring report, please contact me at (919) 563-9091. While awaiting your response, TerraQuest will continue to monitor M8 and the surrounding wells on a bi-monthly basis. Should offsite structures or other areas of gas accumulation be identified, the NCDWM-SW will immediately be notified.

Thanks for your continued help on this project.

Sincerely,

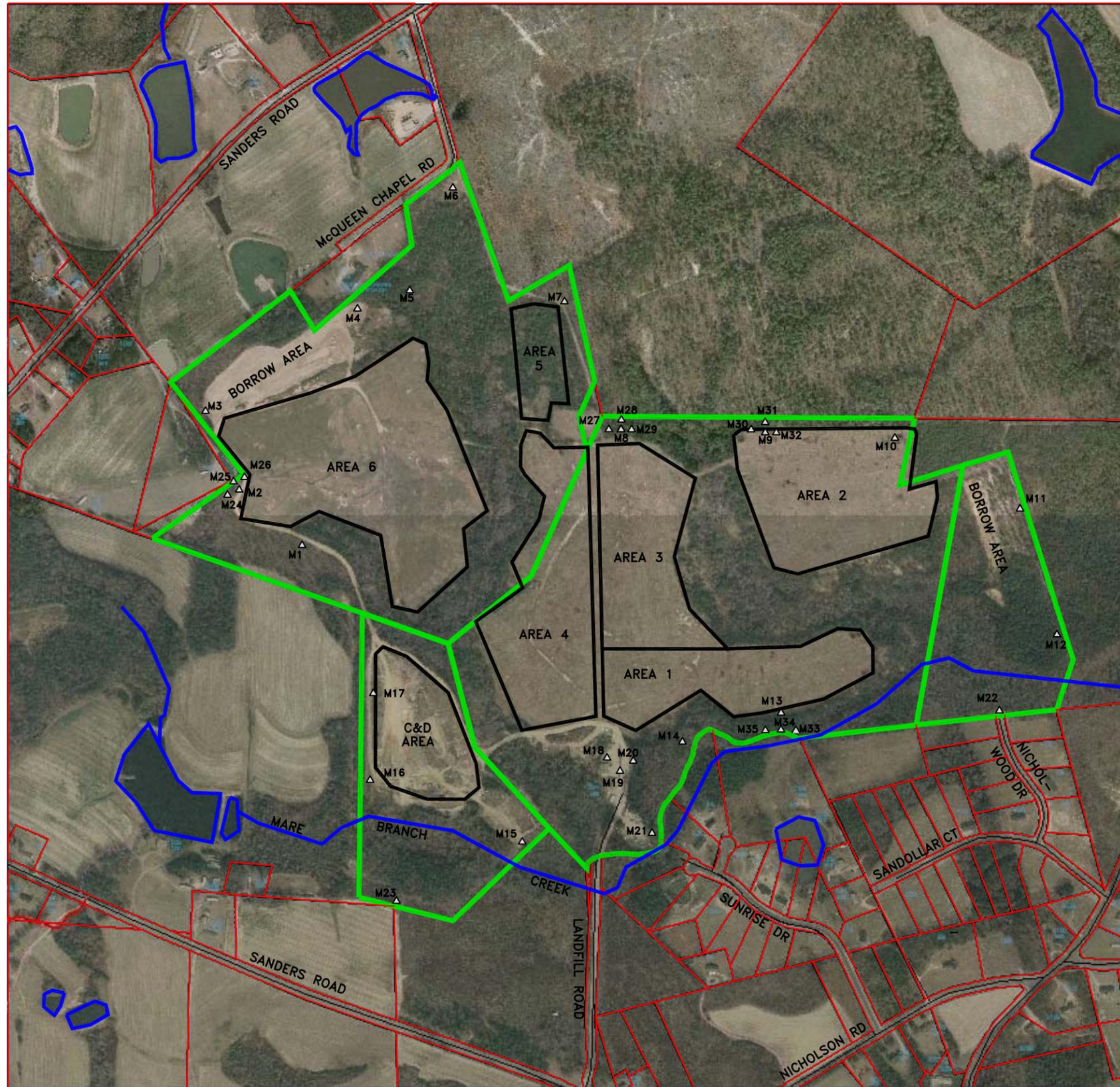
TERRAQUEST ENVIRONMENTAL CONSULTANTS, P.C.

A handwritten signature in black ink, appearing to read 'R. Kerins', with a stylized flourish at the end.

**Ryan D. Kerins**  
**Project Manager**

Attachments:      Figure 1 – Site Layout Map – Aerial View  
                         Table 1 – Methane Well Construction Information  
                         Table 2 – Methane Monitoring 4/9/08  
                         Boring Log/Monitoring Well Installation Detail  
                         NCDWM-SW Environmental Monitoring Reporting Form

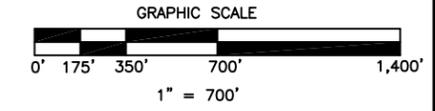
cc:                     Joe Cherry – Lee County Public Works Department



**LEGEND**

△ APPROVED METHANE MONITORING WELL

AREAS 1 - 6 CLOSED MSW  
C&D AREA STILL ACTIVE



(NOTE: MAP ADAPTED FROM INFORMATION PROVIDED BY THE LEE COUNTY DEPARTMENT OF STRATEGIC SERVICES)



SITE LAYOUT MAP - AERIAL VIEW  
LEE COUNTY LANDFILL  
SANFORD, LEE COUNTY, NC

LEE COUNTY PUBLIC WORKS	PROJECT NO: 02296	CHECKED BY: MJB	FIGURE NO. 1	SANFORD, NC
SCALE: 1" = 700'		DRAWN BY: RDK	DATE: 4/22/08	

Table 1 METHANE WELL CONSTRUCTION INFORMATION					
Date: 4/22/08		Lee County Landfill			
Well ID	Date Installed	Well Casing Depth (feet BGS)	Screened Interval (x to y feet BGS)	Bottom of Well (feet BGS)	Comments
M1 - M12	1/29/2008	2	2 - 10	10	2"-diameter Methane monitoring well
M13 - M21& M23	1/30/2008	2	2 - 10	10	2"-diameter Methane monitoring well
M22	1/30/2008	2	2 - 5	5	2"-diameter Methane monitoring well
M24	3/26/2008	2	2 - 8	8	2"-diameter Methane monitoring well
M33 - M35	3/27/2008	0	0 - 5	5	2"-diameter Methane monitoring well

Notes:

1. All units in feet.
2. BGS = Below Ground Surface.
3. The screen for M33 - M35 are sealed with either concrete or bentonite from 0 to 1 feet BGS.

Table 2		METHANE MONITORING 4/9/08					
Date: 4/22/08		Facility Name: Lee County Landfill					
FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	COLLECT DATE
53-01	SITE			ambient temperature	63	deg. F	NOON 4/9/08
53-01	SITE	SW325	325	ambient temperature	17	deg. C	NOON 4/9/08
53-01	SITE			barometric pressure	30.24	"Hg	NOON 4/9/08
53-01	SITE			barometric pressure	1023.9	hPA	NOON 4/9/08
53-01	M1	SW318	318	Depth To Water	7.05	feet	4/9/2008
53-01	M1			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M1			% CO2 (GEM 500)	0.1	%	4/9/2008
53-01	M1			% O2 (GEM 500)	20.1	%	4/9/2008
53-01	M1			% other ("balance") (GEM 500)	79.8	%	4/9/2008
53-01	M1			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M1			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M1			volatile organic compounds (total)	0	ppm	4/9/2008
53-01	M2	SW318	318	Depth To Water	6.12	feet	4/9/2008
53-01	M2			% CH4 (GEM 500)	10.3	%	4/9/2008
53-01	M2			% CO2 (GEM 500)	12.1	%	4/9/2008
53-01	M2			% O2 (GEM 500)	16.1	%	4/9/2008
53-01	M2			% other ("balance") (GEM 500)	66.3	%	4/9/2008
53-01	M2			% LEL (based on CH4 LEL of 5%) (FID)	140	%	4/9/2008
53-01	M2			% LEL (Gastech Innova) (catalytic OVM)	>100	%	4/9/2008
53-01	M2			volatile organic compounds (total)	>1,680	ppm	4/9/2008
53-01	M3	SW318	318	Depth To Water	8.65	feet	4/9/2008
53-01	M3			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M3			% CO2 (GEM 500)	0.2	%	4/9/2008
53-01	M3			% O2 (GEM 500)	20	%	4/9/2008
53-01	M3			% other ("balance") (GEM 500)	79.8	%	4/9/2008
53-01	M3			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M3			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M3			volatile organic compounds (total)	0	ppm	4/9/2008
53-01	M4	SW318	318	Depth To Water - screen interval saturated	2.97	feet	4/9/2008
53-01	M4			% CH4 (GEM 500)	0.1	%	4/9/2008
53-01	M4			% CO2 (GEM 500)	0.1	%	4/9/2008
53-01	M4			% O2 (GEM 500)	20.4	%	4/9/2008
53-01	M4			% other ("balance") (GEM 500)	79.6	%	4/9/2008
53-01	M4			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M4			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M4			volatile organic compounds (total)	0	ppm	4/9/2008
53-01	M5	SW318	318	Depth To Water	6.72	feet	4/9/2008
53-01	M5			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M5			% CO2 (GEM 500)	0.1	%	4/9/2008
53-01	M5			% O2 (GEM 500)	20.4	%	4/9/2008
53-01	M5			% other ("balance") (GEM 500)	79.5	%	4/9/2008
53-01	M5			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M5			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M5			volatile organic compounds (total)	0	ppm	4/9/2008
53-01	M6	SW318	318	Depth To Water	5.15	feet	4/9/2008
53-01	M6			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M6			% CO2 (GEM 500)	0.2	%	4/9/2008
53-01	M6			% O2 (GEM 500)	20.3	%	4/9/2008
53-01	M6			% other ("balance") (GEM 500)	79.5	%	4/9/2008
53-01	M6			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M6			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M6			volatile organic compounds (total)	0	ppm	4/9/2008

Table 2-cont.  
Date: 4/22/08

METHANE MONITORING 4-9-08  
Facility Name: Lee County Landfill

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	COLLECT DATE
53-01	M7	SW318	318	Depth To Water	8.55	feet	4/9/2008
53-01	M7			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M7			% CO2 (GEM 500)	3.9	%	4/9/2008
53-01	M7			% O2 (GEM 500)	16.6	%	4/9/2008
53-01	M7			% other ("balance") (GEM 500)	79.5	%	4/9/2008
53-01	M7			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M7			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M7			volatile organic compounds (total)	0	ppm	4/9/2008
53-01	M8	SW318	318	Depth To Water	10.91	feet	4/9/2008
53-01	M8			% CH4 (GEM 500)	57.5	%	4/9/2008
53-01	M8			% CO2 (GEM 500)	41.8	%	4/9/2008
53-01	M8			% O2 (GEM 500)	0.5	%	4/9/2008
53-01	M8			% other ("balance") (GEM 500)	0	%	4/9/2008
53-01	M8			% LEL (based on CH4 LEL of 5%) (FID)	>100	%	4/9/2008
53-01	M8			% LEL (Gastech Innova) (catalytic OVM)	>100	%	4/9/2008
53-01	M8			volatile organic compounds (total)	>1,860	ppm	4/9/2008
53-01	M9	SW318	318	Depth To Water - screen interval saturated	3.78	feet	4/9/2008
53-01	M9			% CH4 (GEM 500)	53.1	%	4/9/2008
53-01	M9			% CO2 (GEM 500)	31	%	4/9/2008
53-01	M9			% O2 (GEM 500)	3.4	%	4/9/2008
53-01	M9			% other ("balance") (GEM 500)	13.2	%	4/9/2008
53-01	M9			% LEL (based on CH4 LEL of 5%) (FID)	>1,000	%	4/9/2008
53-01	M9			% LEL (Gastech Innova) (catalytic OVM)	>100	%	4/9/2008
53-01	M9			volatile organic compounds (total)	>1,860	ppm	4/9/2008
53-01	M10	SW318	318	Depth To Water - screen interval saturated	3.62	feet	4/9/2008
53-01	M10			% CH4 (GEM 500)	57.6	%	4/9/2008
53-01	M10			% CO2 (GEM 500)	2.7	%	4/9/2008
53-01	M10			% O2 (GEM 500)	4.2	%	4/9/2008
53-01	M10			% other ("balance") (GEM 500)	12.6	%	4/9/2008
53-01	M10			% LEL (based on CH4 LEL of 5%) (FID)	>1,000	%	4/9/2008
53-01	M10			% LEL (Gastech Innova) (catalytic OVM)	>100	%	4/9/2008
53-01	M10			volatile organic compounds (total)	>10,000	ppm	4/9/2008
53-01	M11	SW318	318	Depth To Water	well dry	feet	4/9/2008
53-01	M11			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M11			% CO2 (GEM 500)	0.1	%	4/9/2008
53-01	M11			% O2 (GEM 500)	0.1	%	4/9/2008
53-01	M11			% other ("balance") (GEM 500)	99.4	%	4/9/2008
53-01	M11			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M11			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M11			volatile organic compounds (total)	0	ppm	4/9/2008
53-01	M12	SW318	318	Depth To Water	well dry	feet	4/9/2008
53-01	M12			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M12			% CO2 (GEM 500)	0.1	%	4/9/2008
53-01	M12			% O2 (GEM 500)	19.6	%	4/9/2008
53-01	M12			% other ("balance") (GEM 500)	79.3	%	4/9/2008
53-01	M12			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M12			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M12			volatile organic compounds (total)	0	ppm	4/9/2008

Table 2-cont.		METHANE MONITORING 4-9-08					
Date: 4/22/08		Facility Name: Lee County Landfill					
FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	COLLECT DATE
53-01	M13	SW318	318	Depth To Water	8.88	feet	4/9/2008
53-01	M13			% CH4 (GEM 500)	61.3	%	4/9/2008
53-01	M13			% CO2 (GEM 500)	36.3	%	4/9/2008
53-01	M13			% O2 (GEM 500)	0.4	%	4/9/2008
53-01	M13			% other ("balance") (GEM 500)	1.7	%	4/9/2008
53-01	M13			% LEL (based on CH4 LEL of 5%) (FID)	>1,000	%	4/9/2008
53-01	M13			% LEL (Gastech Innova) (catalytic OVM)	>100	%	4/9/2008
53-01	M13			volatile organic compounds (total)	>10,000	ppm	4/9/2008
53-01	M14	SW318	318	Depth To Water	7.66	feet	4/9/2008
53-01	M14			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M14			% CO2 (GEM 500)	1.0	%	4/9/2008
53-01	M14			% O2 (GEM 500)	19.5	%	4/9/2008
53-01	M14			% other ("balance") (GEM 500)	79.7	%	4/9/2008
53-01	M14			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M14			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M14			volatile organic compounds (total)	0	ppm	4/9/2008
53-01	M15	SW318	318	Depth To Water	6.33	feet	4/9/2008
53-01	M15			% CH4 (GEM 500)	0.0	%	4/9/2008
53-01	M15			% CO2 (GEM 500)	0.5	%	4/9/2008
53-01	M15			% O2 (GEM 500)	20.0	%	4/9/2008
53-01	M15			% other ("balance") (GEM 500)	79.7	%	4/9/2008
53-01	M15			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M15			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M15			volatile organic compounds (total)	0	ppm	4/9/2008
53-01	M16	SW318	318	Depth To Water - screen interval saturated	4.29	feet	4/9/2008
53-01	M16			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M16			% CO2 (GEM 500)	0	%	4/9/2008
53-01	M16			% O2 (GEM 500)	20.3	%	4/9/2008
53-01	M16			% other ("balance") (GEM 500)	79.7	%	4/9/2008
53-01	M16			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M16			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M16			volatile organic compounds (total)	0	ppm	4/9/2008
53-01	M17	SW318	318	Depth To Water - screen interval saturated	3.27	feet	4/9/2008
53-01	M17			% CH4 (GEM 500)	0.0	%	4/9/2008
53-01	M17			% CO2 (GEM 500)	0.0	%	4/9/2008
53-01	M17			% O2 (GEM 500)	20.3	%	4/9/2008
53-01	M17			% other ("balance") (GEM 500)	79.7	%	4/9/2008
53-01	M17			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M17			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M17			volatile organic compounds (total)	0	ppm	4/9/2008
53-01	M18	SW318	318	Depth To Water	6.94	feet	4/9/2008
53-01	M18			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M18			% CO2 (GEM 500)	0	%	4/9/2008
53-01	M18			% O2 (GEM 500)	20.5	%	4/9/2008
53-01	M18			% other ("balance") (GEM 500)	79.5	%	4/9/2008
53-01	M18			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M18			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M18			volatile organic compounds (total)	0	ppm	4/9/2008

Table 2-cont.		METHANE MONITORING 4-9-08					
Date: 4/22/08		Facility Name: Lee County Landfill					
FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	COLLECT DATE
53-01	M19	SW318	318	Depth To Water	6.42	feet	4/9/2008
53-01	M19			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M19			% CO2 (GEM 500)	0.2	%	4/9/2008
53-01	M19			% O2 (GEM 500)	20.2	%	4/9/2008
53-01	M19			% other ("balance") (GEM 500)	79.7	%	4/9/2008
53-01	M19			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M19			% LEL (Gastech Innova) (catalytic OVM)	2	%	4/9/2008
53-01	M19			volatile organic compounds (total)	1,200	ppm	4/9/2008
53-01	M20	SW318	318	Depth To Water	7.63	feet	4/9/2008
53-01	M20			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M20			% CO2 (GEM 500)	0.2	%	4/9/2008
53-01	M20			% O2 (GEM 500)	19.9	%	4/9/2008
53-01	M20			% other ("balance") (GEM 500)	79.9	%	4/9/2008
53-01	M20			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M20			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M20			volatile organic compounds (total)	80	ppm	4/9/2008
53-01	M21	SW318	318	Depth To Water	8.20	feet	4/9/2008
53-01	M21			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M21			% CO2 (GEM 500)	1.0	%	4/9/2008
53-01	M21			% O2 (GEM 500)	19.4	%	4/9/2008
53-01	M21			% other ("balance") (GEM 500)	79.6	%	4/9/2008
53-01	M21			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M21			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M21			volatile organic compounds (total)	0	ppm	4/9/2008
53-01	M22	SW318	318	Depth To Water - screen interval saturated	3.66	feet	4/9/2008
53-01	M22			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M22			% CO2 (GEM 500)	0	%	4/9/2008
53-01	M22			% O2 (GEM 500)	20.9	%	4/9/2008
53-01	M22			% other ("balance") (GEM 500)	79.1	%	4/9/2008
53-01	M22			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M22			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M22			volatile organic compounds (total)	0	ppm	4/9/2008
53-01	M23	SW318	318	Depth To Water - screen interval saturated	2.28	feet	4/9/2008
53-01	M23			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M23			% CO2 (GEM 500)	0	%	4/9/2008
53-01	M23			% O2 (GEM 500)	20.8	%	4/9/2008
53-01	M23			% other ("balance") (GEM 500)	79.2	%	4/9/2008
53-01	M23			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M23			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M23			volatile organic compounds (total)	0	ppm	4/9/2008
53-01	M24	SW318	318	Depth To Water	6.27	feet	4/9/2008
53-01	M24			% CH4 (GEM 500)	4.6	%	4/9/2008
53-01	M24			% CO2 (GEM 500)	0.1	%	4/9/2008
53-01	M24			% O2 (GEM 500)	20.2	%	4/9/2008
53-01	M24			% other ("balance") (GEM 500)	79.7	%	4/9/2008
53-01	M24			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M24			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M24			volatile organic compounds (total)	0	ppm	4/9/2008

Table 2-cont.  
Date: 4/22/08

METHANE MONITORING 4-9-08  
Facility Name: Lee County Landfill

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	COLLECT DATE
53-01	M25	SW318	318	Depth To Water	5.97	feet	4/9/2008
53-01	M25			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M25			% CO2 (GEM 500)	0.1	%	4/9/2008
53-01	M25			% O2 (GEM 500)	20.3	%	4/9/2008
53-01	M25			% other ("balance") (GEM 500)	79.6	%	4/9/2008
53-01	M25			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M25			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M25			volatile organic compounds (total)	0	ppm	4/9/2008
53-01	M26	SW318	318	Depth To Water	5.44	feet	4/9/2008
53-01	M26			% CH4 (GEM 500)	1.4	%	4/9/2008
53-01	M26			% CO2 (GEM 500)	0.8	%	4/9/2008
53-01	M26			% O2 (GEM 500)	18.8	%	4/9/2008
53-01	M26			% other ("balance") (GEM 500)	79.6	%	4/9/2008
53-01	M26			% LEL (based on CH4 LEL of 5%) (FID)	6	%	4/9/2008
53-01	M26			% LEL (Gastech Innova) (catalytic OVM)	9	%	4/9/2008
53-01	M26			volatile organic compounds (total)	980	ppm	4/9/2008
53-01	M27	SW318	318	Depth To Water	8.99	feet	4/9/2008
53-01	M27			% CH4 (GEM 500)	4.7	%	4/9/2008
53-01	M27			% CO2 (GEM 500)	7.3	%	4/9/2008
53-01	M27			% O2 (GEM 500)	13.3	%	4/9/2008
53-01	M27			% other ("balance") (GEM 500)	74.8	%	4/9/2008
53-01	M27			% LEL (based on CH4 LEL of 5%) (FID)	92	%	4/9/2008
53-01	M27			% LEL (Gastech Innova) (catalytic OVM)	>100	%	4/9/2008
53-01	M27			volatile organic compounds (total)	>10,000	ppm	4/9/2008
53-01	M28	SW318	318	Depth To Water	7.23	feet	4/9/2008
53-01	M28			% CH4 (GEM 500)	48.5	%	4/9/2008
53-01	M28			% CO2 (GEM 500)	34.5	%	4/9/2008
53-01	M28			% O2 (GEM 500)	3.3	%	4/9/2008
53-01	M28			% other ("balance") (GEM 500)	21.3	%	4/9/2008
53-01	M28			% LEL (based on CH4 LEL of 5%) (FID)	906	%	4/9/2008
53-01	M28			% LEL (Gastech Innova) (catalytic OVM)	>100	%	4/9/2008
53-01	M28			volatile organic compounds (total)	>4,000	ppm	4/9/2008
53-01	M29	SW318	318	Depth To Water	8.25	feet	4/9/2008
53-01	M29			% CH4 (GEM 500)	58.0	%	4/9/2008
53-01	M29			% CO2 (GEM 500)	41.4	%	4/9/2008
53-01	M29			% O2 (GEM 500)	0.4	%	4/9/2008
53-01	M29			% other ("balance") (GEM 500)	0	%	4/9/2008
53-01	M29			% LEL (based on CH4 LEL of 5%) (FID)	>1,000	%	4/9/2008
53-01	M29			% LEL (Gastech Innova) (catalytic OVM)	>100	%	4/9/2008
53-01	M29			volatile organic compounds (total)	>10,000	ppm	4/9/2008
53-01	M30	SW318	318	Depth To Water	7.23	feet	4/9/2008
53-01	M30			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M30			% CO2 (GEM 500)	0	%	4/9/2008
53-01	M30			% O2 (GEM 500)	20.5	%	4/9/2008
53-01	M30			% other ("balance") (GEM 500)	79.4	%	4/9/2008
53-01	M30			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M30			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M30			volatile organic compounds (total)	0	ppm	4/9/2008

Table 2-cont.  
Date: 4/22/08

METHANE MONITORING 4-9-08  
Facility Name: Lee County Landfill

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	COLLECT DATE
53-01	M31	SW318	318	Depth To Water	6.80	feet	4/9/2008
53-01	M31			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M31			% CO2 (GEM 500)	0.3	%	4/9/2008
53-01	M31			% O2 (GEM 500)	20.2	%	4/9/2008
53-01	M31			% other ("balance") (GEM 500)	79.5	%	4/9/2008
53-01	M31			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M31			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M31			volatile organic compounds (total)	0	ppm	4/9/2008
53-01	M32	SW318	318	Depth To Water	6.34	feet	4/9/2008
53-01	M32			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M32			% CO2 (GEM 500)	0.1	%	4/9/2008
53-01	M32			% O2 (GEM 500)	20.5	%	4/9/2008
53-01	M32			% other ("balance") (GEM 500)	79.4	%	4/9/2008
53-01	M32			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M32			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M32			volatile organic compounds (total)	0	ppm	4/9/2008
53-01	M33	SW318	318	Depth To Water - screen interval saturated	2.59	feet	4/9/2008
53-01	M33			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M33			% CO2 (GEM 500)	0	%	4/9/2008
53-01	M33			% O2 (GEM 500)	20.6	%	4/9/2008
53-01	M33			% other ("balance") (GEM 500)	79.4	%	4/9/2008
53-01	M33			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M33			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M33			volatile organic compounds (total)	0	ppm	4/9/2008
53-01	M34	SW318	318	Depth To Water - screen interval saturated	4.35	feet	4/9/2008
53-01	M34			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M34			% CO2 (GEM 500)	0	%	4/9/2008
53-01	M34			% O2 (GEM 500)	20.7	%	4/9/2008
53-01	M34			% other ("balance") (GEM 500)	79.2	%	4/9/2008
53-01	M34			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M34			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M34			volatile organic compounds (total)	0	ppm	4/9/2008
53-01	M35	SW318	318	Depth To Water - screen interval saturated	1.34	feet	4/9/2008
53-01	M35			% CH4 (GEM 500)	0	%	4/9/2008
53-01	M35			% CO2 (GEM 500)	0	%	4/9/2008
53-01	M35			% O2 (GEM 500)	20.5	%	4/9/2008
53-01	M35			% other ("balance") (GEM 500)	79.5	%	4/9/2008
53-01	M35			% LEL (based on CH4 LEL of 5%) (FID)	0	%	4/9/2008
53-01	M35			% LEL (Gastech Innova) (catalytic OVM)	0	%	4/9/2008
53-01	M35			volatile organic compounds (total)	0	ppm	4/9/2008



## BORING LOG/MONITORING WELL INSTALLATION DETAIL

Contractor: TerraQuest	Date Started: 3/26/08	Boring Number: <b>M24</b>
Drill Method: Solid Stem Auger	Date Finished: 3/26/08	
Driller: Nick Perry	Logged by: Andy Wrenn	

Sample	Blow Counts	Completion	OVM (ppm)	Depth Feet	Lithology	Description
	NA		NA			SAND (SC) Mostly loose, light brown/orange fine grain sand with few to trace clay  Boring terminated 8' BGL
	NA		NA			
	NA		NA	5		
	NA		NA			

Scale as shown; Hatch pattern denotes soil sample depth;  
 Solid denotes lab sample depth; Lithology hatch pattern legend is attached;  
**Well Construction**  
 2" diameter Sch. 40 PVC; .010" slotted screen  
 Sand: no. 2 sand; Grout: poured portland; Bentonite: poured pellets  
 Finished with stickup metal box  
 NA - Not Applicable; BGL - Below Ground Level

**Site:**  
 Lee County Landfill  
 331 Landfill Road  
 Sanford, NC 27331  
**Client:**  
 Lee County  
 805 S. Fifth Street  
 Sanford, NC 27331



## BORING LOG/MONITORING WELL INSTALLATION DETAIL

Contractor: TerraQuest	Date Started: 3/26/08	Boring Number: <b>M25</b>
Drill Method: Solid Stem Auger	Date Finished: 3/26/08	
Driller: Nick Perry	Logged by: Andy Wrenn	

Sample	Blow Counts	Completion	OVM (ppm)	Depth Feet	Lithology	Description
	NA		NA			Sand (SC) Mostly loose, light brown/orange fine grain sand with some to little clay  Boring terminated 8' BGL
	NA		NA			
	NA		NA	5		
	NA		NA			

Scale as shown; Hatch pattern denotes soil sample depth;  
 Solid denotes lab sample depth; Lithology hatch pattern legend is attached;  
**Well Construction**  
 2" diameter Sch. 40 PVC; .010" slotted screen  
 Sand: no. 2 sand; Grout: poured portland; Bentonite: poured pellets  
 Finished with stickup metal box  
 NA - Not Applicable; BGL - Below Ground Level

**Site:**  
 Lee County Landfill  
 331 Landfill Road  
 Sanford, NC 27331  
**Client:**  
 Lee County  
 805 S. Fifth Street  
 Sanford, NC 27331

**Project No.:** 02296

**Page** 1



## BORING LOG/MONITORING WELL INSTALLATION DETAIL

Contractor: TerraQuest	Date Started: 3/26/08	<b>Boring Number:</b> <span style="font-size: 1.5em;"><b>M26</b></span>
Drill Method: Solid Stem Auger	Date Finished: 3/26/08	
Driller: Nick Perry	Logged by: Andy Wrenn	

Sample	Blow Counts	Completion	OVM (ppm)	Depth Feet	Lithology	Description
	NA		NA			Sand (SC) Mostly loose, light brown/orange sand with some to little clay
	NA		NA			
	NA		NA	5		Clay (CL) Mostly soft, greyish blue clay with yellowish orange mottles
	NA		NA			

Scale as shown; Hatch pattern denotes soil sample depth;  
 Solid denotes lab sample depth; Lithology hatch pattern legend is attached;  
**Well Construction**  
 2" diameter Sch. 40 PVC; .010" slotted screen  
 Sand: no. 2 sand; Grout: poured portland; Bentonite: poured pellets  
 Finished with stickup metal box  
 NA - Not Applicable; BGL - Below Ground Level

**Site:**  
 Lee County Landfill  
 331 Landfill Road  
 Sanford, NC 27331  
**Client:**  
 Lee County  
 805 S. Fifth Street  
 Sanford, NC 27331



## BORING LOG/MONITORING WELL INSTALLATION DETAIL

Contractor: TerraQuest	Date Started: 3/26/08	Boring Number: <b>M27</b>
Drill Method: Solid Stem Auger	Date Finished: 3/26/08	
Driller: Nick Perry	Logged by: Andy Wrenn	

Sample	Blow Counts	Completion	OVM (ppm)	Depth Feet	Lithology	Description
	NA		NA			Sand (SC) Mostly loose, light brown/orange fine grain sand with little to few clay  Boring terminated 9' BGL
	NA		NA			
	NA		NA	5		
	NA		NA			
	NA		NA			

Scale as shown; Hatch pattern denotes soil sample depth;  
 Solid denotes lab sample depth; Lithology hatch pattern legend is attached;  
**Well Construction**  
 2" diameter Sch. 40 PVC; .010" slotted screen  
 Sand: no. 2 sand; Grout: poured portland; Bentonite: poured pellets  
 Finished with stickup metal box  
 NA - Not Applicable; BGL - Below Ground Level

**Site:**  
 Lee County Landfill  
 331 Landfill Road  
 Sanford, NC 27331  
**Client:**  
 Lee County  
 805 S. Fifth Street  
 Sanford, NC 27331



## BORING LOG/MONITORING WELL INSTALLATION DETAIL

Contractor: TerraQuest	Date Started: 3/26/08	<b>Boring Number: M28</b>
Drill Method: Solid Stem Auger	Date Finished: 3/26/08	
Driller: Nick Perry	Logged by: Andy Wrenn	

Sample	Blow Counts	Completion	OVM (ppm)	Depth Feet	Lithology	Description
	NA		NA			Sand (SC) Mostly loose, light brown/orange fine grain sand with few to trace clay
	NA		NA			
	NA		NA	5		
	NA		NA			

Scale as shown; Hatch pattern denotes soil sample depth;  
 Solid denotes lab sample depth; Lithology hatch pattern legend is attached;  
**Well Construction**  
 2" diameter Sch. 40 PVC; .010" slotted screen  
 Sand: no. 2 sand; Grout: poured portland; Bentonite: poured pellets  
 Finished with stickup metal box  
 NA - Not Applicable; BGL - Below Ground Level

**Site:**  
 Lee County Landfill  
 331 Landfill Road  
 Sanford, NC 27331  
**Client:**  
 Lee County  
 805 S. Fifth Street  
 Sanford, NC 27331



## BORING LOG/MONITORING WELL INSTALLATION DETAIL

Contractor: Terraquest

Date Started: 3/26/08

Boring Number:

Drill Method: Solid Stem Auger

Date Finished: 3/26/08

**M29**

Driller: Nick Perry

Logged by: Andy Wrenn

Sample	Blow Counts	Completion	OVM (ppm)	Depth Feet	Lithology	Description
	NA		NA			Sand (SC) Mostly loose, light brown/orange fine grain sand with little to few clay
	NA		NA			
	NA		NA	5		Sand (SC) Mostly loose, light brown/orange fine grain sand with little to few clay. Some black organics present and trash noted
	NA		NA			

Scale as shown; Hatch pattern denotes soil sample depth;  
Solid denotes lab sample depth; Lithology hatch pattern legend is attached;

**Well Construction**

2" diameter Sch. 40 PVC; .010" slotted screen  
Sand: no. 2 sand; Grout: poured portland; Bentonite: poured pellets  
Finished with stickup metal box  
NA - Not Applicable; BGL - Below Ground Level

**Site:**  
Lee County Landfill  
331 Landfill Road  
Sanford, NC 27331  
**Client:**  
Lee County  
805 S. Fifth Street  
Sanford, NC 27331

Project No.: 02296

Page 1



## BORING LOG/MONITORING WELL INSTALLATION DETAIL

Contractor: TerraQuest	Date Started: 3/26/08	<b>Boring Number:</b>  <b>M30</b>
Drill Method: Solid Stem Auger	Date Finished: 3/26/08	
Driller: Nick Perry	Logged by: Andy Wrenn	

Sample	Blow Counts	Completion	OVM (ppm)	Depth Feet	Lithology	Description
	NA		NA			Sand (SC) Mostly loose, light brown/orange fine grain sand with little to few clay  Boring terminated 8' BGL
	NA		NA			
	NA		NA	5		
	NA		NA			

Scale as shown; Hatch pattern denotes soil sample depth;  
 Solid denotes lab sample depth; Lithology hatch pattern legend is attached;  
**Well Construction**  
 2" diameter Sch. 40 PVC; .010" slotted screen  
 Sand: no. 2 sand; Grout: poured portland; Bentonite: poured pellets  
 Finished with stickup metal box  
 NA - Not Applicable; BGL - Below Ground Level

**Site:**  
 Lee County Landfill  
 331 Landfill Road  
 Sanford, NC 27331  
**Client:**  
 Lee County  
 805 S. Fifth Street  
 Sanford, NC 27331



## BORING LOG/MONITORING WELL INSTALLATION DETAIL

Contractor: TerraQuest

Date Started: 3/26/08

Boring Number:

Drill Method: Solid Stem Auger

Date Finished: 3/26/08

**M31**

Driller: Nick Perry

Logged by: Andy Wrenn

Sample	Blow Counts	Completion	OVM (ppm)	Depth Feet	Lithology	Description
	NA		NA			Sand (SC) Mostly loose, light brown/orange fine grain sand with little to few clay  Boring terminated at 10' BGL
	NA		NA			
	NA		NA	5		
	NA		NA			

Scale as shown; Hatch pattern denotes soil sample depth;  
 Solid denotes lab sample depth; Lithology hatch pattern legend is attached;

**Well Construction**

2" diameter Sch. 40 PVC; .010" slotted screen  
 Sand: no. 2 sand; Grout: poured portland; Bentonite: poured pellets  
 Finished with stickup metal box  
 NA - Not Applicable; BGL - Below Ground Level

**Site:**  
 Lee County Landfill  
 331 Landfill Road  
 Sanford, NC 27331  
**Client:**  
 Lee County  
 805 S. Fifth Street  
 Sanford, NC 27331

Project No.: 02296

Page 1



## BORING LOG/MONITORING WELL INSTALLATION DETAIL

Contractor: TerraQuest

Date Started: 3/26/08

Boring Number:

Drill Method: Solid Stem Auger

Date Finished: 3/26/08

**M32**

Driller: Nick Perry

Logged by: Andy Wrenn

Sample	Blow Counts	Completion	OVM (ppm)	Depth Feet	Lithology	Description
	NA		NA			Sand (SC) Mostly loose, light brown/orange fine grain sand with little to few clay  Boring terminated at 8' BGL
	NA		NA			
	NA		NA	5		
	NA		NA			

Scale as shown; Hatch pattern denotes soil sample depth;  
 Solid denotes lab sample depth; Lithology hatch pattern legend is attached;

**Well Construction**

2" diameter Sch. 40 PVC; .010" slotted screen  
 Sand: no. 2 sand; Grout: poured portland; Bentonite: poured pellets  
 Finished with stickup metal box  
 NA - Not Applicable; BGL - Below Ground Level

**Site:**

Lee County Landfill  
 331 Landfill Road  
 Sanford, NC 27331

**Client:**

Lee County  
 805 S. Fifth Street  
 Sanford, NC 27331

Project No.: 02296

Page 1



## BORING LOG/MONITORING WELL INSTALLATION DETAIL

Contractor: TerraQuest	Date Started: 3/27/08	<b>Boring Number: M33</b>
Drill Method: Hand Auger	Date Finished: 3/27/08	
Driller: Nick Perry	Logged by: Andy Wrenn	

Sample	Blow Counts	Completion	OVM (ppm)	Depth Feet	Lithology	Description
				5		<p>SAND WITH SILT (SC) Mostly loose, fine to medium-grained, tan to brown sand with varying amounts of silt and clay.</p> <p>Boring terminated 5' BGL</p>

Scale as shown; Hatch pattern denotes soil sample depth;  
Solid denotes lab sample depth; Lithology hatch pattern legend is attached;

**Well Construction**

2" diameter Sch. 40 PVC; .010" slotted screen  
Sand: no. 2 sand; Grout: poured portland; Bentonite: poured pellets  
Finished with 3' of 2"-diameter riser above ground level and an aluminum stickup  
NA - Not Applicable; BGL - Below Ground Level

**Site:**  
Lee County Landfill  
331 Landfill Road  
Sanford, NC 27331  
**Client:**  
Lee County  
805 S. Fifth Street  
Sanford, NC 27331

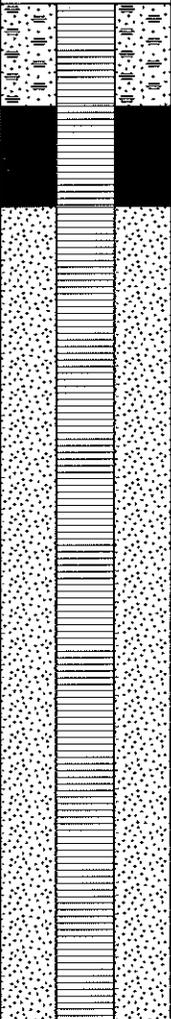
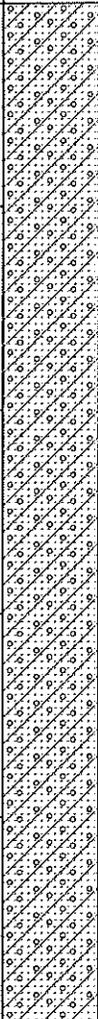


## BORING LOG/MONITORING WELL INSTALLATION DETAIL

Contractor: TerraQuest  
 Drill Method: Hand Auger  
 Driller: Nick Perry

Date Started: 3/27/08  
 Date Finished: 3/27/08  
 Logged by: Andy Wrenn

Boring Number:  
**M34**

Sample	Blow Counts	Completion	OVM (ppm)	Depth Feet	Lithology	Description
				5		<p>SAND WITH SILT (SC)            Mostly loose, fine to medium-grained, tan to brown sand with varying amounts of silt and clay.</p> <p>Boring terminated 5' BGL</p>

Scale as shown; Hatch pattern denotes soil sample depth;  
 Solid denotes lab sample depth; Lithology hatch pattern legend is attached;  
**Well Construction**  
 2" diameter Sch. 40 PVC; .010" slotted screen  
 Sand: no. 2 sand; Grout: poured portland; Bentonite: poured pellets  
 Finished with 3' of 2"-diameter riser above ground level and an aluminum stickup  
 NA - Not Applicable; BGL - Below Ground Level

**Site:**  
 Lee County Landfill  
 331 Landfill Road  
 Sanford, NC 27331  
**Client:**  
 Lee County  
 805 S. Fifth Street  
 Sanford, NC 27331



## BORING LOG/MONITORING WELL INSTALLATION DETAIL

Contractor: TerraQuest	Date Started: 3/27/08	<b>Boring Number: M35</b>
Drill Method: Hand Auger	Date Finished: 3/27/08	
Driller: Nick Perry	Logged by: Andy Wrenn	

Sample	Blow Counts	Completion	OVM (ppm)	Depth Feet	Lithology	Description
				5		<p><b>SAND WITH SILT (SC)</b>            Mostly loose, fine to medium-grained, tan to brown sand with varying amounts of silt and clay.</p> <p>Boring terminated 5' BGL</p>

Scale as shown; Hatch pattern denotes soil sample depth;  
 Solid denotes lab sample depth; Lithology hatch pattern legend is attached;

**Well Construction**

2" diameter Sch. 40 PVC; .010" slotted screen  
 Sand: no. 2 sand; Grout: poured portland; Bentonite: poured pellets  
 Finished with 3' of 2"-diameter riser above ground level and an aluminum stickup  
 NA - Not Applicable; BGL - Below Ground Level

**Site:**  
 Lee County Landfill  
 331 Landfill Road  
 Sanford, NC 27331  
**Client:**  
 Lee County  
 805 S. Fifth Street  
 Sanford, NC 27331

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)).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- 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):

TerraQuest Environmental Consultants, P.C.

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

Name: Ryan Kerins

Phone: (919) 563-9091

E-mail: rdkerins@terraquestpc.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Lee County Landfill	331 Landfill Rd, Sanford, NC 27332	53-01	.1600	April 9, 2008

**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.

Ryan Kerins

Project Manager

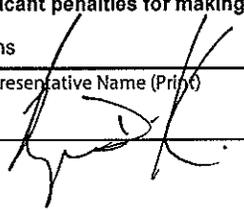
(919) 563-9091

Facility Representative Name (Print)

Title

(Area Code) Telephone Number

Signature



4/23/08  
Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

