ASSESSMENT MONITORING

Landfill Gas Measurements Field Worksheet
Francis Farm Landfill - Permit #44-03
Haywood County, North Carolina

Field Calibration Gas Type & Canister Expiration Date		
CH_4	50%	May-15
CO_2	35%	May-15
O_2	4%	Jun-15

Name of Person Taking Readings: Randal Siske, Environmental Coordinator
Weather Conditions: Partly cloudy with light breeze 74% Humidity
Gas Monitoring Equipment: Land-Tec GEM 2000+
Factory Calibration Date: March 19, 2014
Pump Rate Flow: 300 cc/min Vacuum: 70 inches H_20

Date: May 29, 2014
Ambient Temp: 69° **Barometric Pressure:** 27.33 Hg
Serial #: 11944
Field Calibration Date/Time : May 29, 2014

Well ID	Sample Tube Purge (> 60sec)	Stable Reading	Time Pumped (sec)	Time	%LEL	$\%CH_4$	$\%CO_2$	$\%O_2$	Baro Press	Notes:
MM-1	Y	N	120	3:51:00 PM	0.0	0.0	0.4	20.1	27.33	Well apears to be full of water.
MM-2	Y	Y	180	3:57:00 PM	1272.0	63.6	36.2	0.1	27.33	
MM-3	Y	Y	240	4:05:00 PM	1136.0	56.8	37.0	0.1	27.33	Cover hasp difficult to open/close
MM-4	Y	Y	360	4:15:00 PM	832.0	41.6	18.8	0.2	27.33	
MM-5	Y	Y	180	4:19:00 PM	0.0	0.0	5.2	15.9	27.33	
MM-6	Y	Y	300	4:27:00 PM	354.0	17.7	10.8	0.1	27.33	
MM-7	Y	Y	240	3:18:00 PM	0.0	0.0	4.7	14.7	27.33	
MM-8	Y	Y	240	3:07:00 PM	0.0	0.0	4.3	16	27.33	
MM-9	Y	Y	300	3:01:00 PM	0.0	0.0	4.4	14.7	27.33	
MM-10	Y	Y	240	2:44:00 PM	0.0	0.0	9.3	12.3	27.33	
MM-11	Y	Y	210	2:35:00 PM	894.0	44.7	30.7	0.0	27.33	
MM-12	Y	Y	210	2:27:00 PM	1240.0	62.0	37.9	0.0	27.33	
MM-13	Y	Y	180	2:18:00 PM	66.0	3.3	15.8	0.0	27.33	
SM-1a	Y	Y	120	3:21:00 PM	0.0	0.0	0.0	20.6	27.33	
SM-1b	Y	Y	120	3:25:00 PM	0.0	0.0	0.0	20.6	27.33	Garage door open.
SM-1c	Y	Y	120	3:28:00 PM	0.0	0.0	0.0	20.6	27.33	Garage door open.
SM-2	Y	Y	120	3:01:00 PM	0.0	0.0	0.0	20.1	27.33	Garage door open.
SM-3	Y	Y	120	3:34:00 PM	0.0	0.0	0.0	20.6	27.33	
MW-12	Y	Y	120	3:03:0 0 PM	0.0	0.0	0.0	20.1	27.33	

Note: If methane gas readings exceed 25% of LEL in structures or 100% of LEL in probes contact Haywood County Solid Waste Director immediatley at 828-400-3544.