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: Clear with light breeze 22% Humidity
Gas Monitoring Equipment: Land-Tec GEM 2000+
Factory Calibration Date: September 18, 2013
Pump Rate **Flow:** 300 cc/min **Vacuum:** 70 inches H_20

Date: January 31, 2014
Ambient Temp: 48° **Barometric Pressure:** 27.12" Hg
Serial #: 11944
Field Calibration Date/Time : January 31, 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	Y	360	4:38:00 PM	1004.0	50.2	21.2	0.1	27.14	
MM-2	Y	Y	240	4:45:00 PM	1318.0	65.9	32.9	0.0	27.14	
MM-3	Y	Y	240	4:54:00 PM	1024.0	51.2	33.9	0.1	27.14	Cover hasp difficult to open/close
MM-4	Y	Y	360	5:02:00 PM	420.0	21.0	21.5	0.2	27.14	
MM-5	Y	Y	120	5:08:00 PM	0.0	0.0	0.9	20.6	27.14	
MM-6	Y	Y	300	5:15:00 PM	292.0	14.6	12.1	0.0	27.14	
MM-7	Y	Y	240	3:33:00 PM	0.0	0.0	5.3	14.8	27.14	
MM-8	Y	Y	240	3:25:00 PM	0.0	0.0	4	17.1	27.14	
MM-9	Y	Y	240	3:16:00 PM	0.0	0.0	4.5	16.2	27.14	
MM-10	Y	Y	240	3:48:00 PM	0.0	0.0	10.1	14.2	27.14	
MM-11	Y	Y	240	3:57:00 PM	840.0	42.0	30.2	0.0	27.14	
MM-12	Y	Y	240	4:03:00 PM	1268.0	63.4	36.4	0.0	27.14	
MM-13	Y	Y	180	4:24:00 PM	34.0	1.7	13.0	0.6	27.14	
SM-1a	Y	Y	120	2:44:00 PM	0.0	0.0	0.0	20.2	27.14	
SM-1b	Y	Y	120	2:51:00 PM	0.0	0.0	0.0	20.3	27.14	
SM-1c	Y	Y	120	2:55:00 PM	0.0	0.0	0.1	20.4	27.14	
SM-2	Y	Y	120	3:01:00 PM	0.0	0.0	0.0	20.6	27.14	
SM-3	Y	Y	120	3:08:00 PM	0.0	0.0	0.0	20.6	27.14	Garage Door Open
MW-12	Y	Y	120	3:11:00 PM	0.0	0.0	0.0	20.6	27.14	

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.