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 44% 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: February 24, 2014
Ambient Temp: 43° **Barometric Pressure:** 27.20" Hg
Serial #: 11944
Field Calibration Date/Time : February 24, 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	12:11:00 PM	36.0	1.8	1.2	19.7	27.20	Well apears to be full of water.
MM-2	Y	Y	180	12:20:00 PM	1336.0	66.8	32.9	0.1	27.20	
MM-3	Y	Y	240	12:29:00 PM	1038.0	51.9	33.9	0.1	27.20	Cover hasp difficult to open/close
MM-4	Y	N	240	12:35:00 PM	204.0	10.2	10.1	10.1	27.20	Well apears to be full of water.
MM-5	Y	Y	120	12:41:00 PM	0.0	0.0	0.1	20.8	27.20	
MM-6	Y	Y	240	12:50:00 PM	198.0	9.9	11.0	0.1	27.20	
MM-7	Y	Y	240	1:00:00 PM	0.0	0.0	5.0	14.3	27.20	
MM-8	Y	Y	240	1:44:00 PM	0.0	0.0	3.6	17.1	27.20	
MM-9	Y	Y	240	1:32:00 PM	0.0	0.0	3.4	16.7	27.08	
MM-10	Y	Y	240	2:44:00 PM	0.0	0.0	8.7	14.7	27.08	
MM-11	Y	Y	240	2:33:00 PM	784.0	39.2	29.5	0.1	27.08	
MM-12	Y	Y	240	2:25:00 PM	1260.0	63.0	36.8	0.1	27.08	
MM-13	Y	Y	180	2:15:00 PM	72.0	3.6	13.1	0.1	27.20	
SM-1a	Y	Y	120	1:55:00 PM	0.0	0.0	0.1	20.3	27.08	
SM-1b	Y	Y	120	1:58:00 PM	0.0	0.0	0.1	20.3	27.08	
SM-1c	Y	Y	120	2:01:00 PM	0.0	0.0	0.0	20.3	27.08	Side Entry door open.
SM-2	Y	Y	120	1:39:00 PM	0.0	0.0	0.0	20.3	27.08	
SM-3	Y	Y	120	1:26:00 PM	0.0	0.0	0.0	20.3	27.08	Garage Door Open
MW-12	Y	Y	120	1:35:00 PM	0.0	0.0	0.0	20.3	27.08	

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.