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%	Apr-17

Name of Person Taking Readings: Randal Siske, Environmental Coordinator
Weather Conditions: Fair 61% Humidity
Gas Monitoring Equipment: Land-Tec GEM 2000+
Factory Calibration Date: November 20, 2014
Pump Rate **Flow:** 300 cc/min **Vacuum:** 70 inches H_20

Date: December 01, 2014
Ambient Temp: 59° **Barometric Pressure:** 27.47 Hg
Serial #: 11944
Field Calibration Date/Time : December 01, 2014 1425

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	240	16:04:00 PM	1170.0	58.5	31.3	0.0	27.47	
MM-2	Y	Y	180	16:11:00 PM	1254.0	62.7	35.7	0.0	27.47	
MM-3	Y	Y	240	16:18:00 PM	980.0	49.0	35.1	0.0	27.47	Cover hasp difficult to open/close
MM-4	Y	Y	360	16:27:00 PM	446.0	22.3	26.5	0.0	27.47	
MM-5	Y	Y	180	16:33:00 PM	0.0	0.0	3.3	18.8	27.47	
MM-6	Y	Y	300	16:40:00 PM	124.0	6.2	11.5	0.0	27.47	
MM-7	Y	Y	240	14:50:00 PM	0.0	0.0	4.7	16.3	27.47	
MM-8	Y	Y	240	15:07:00 PM	0.0	0.0	3.4	17.8	27.47	
MM-9	Y	Y	240	15:22:00 PM	0.0	0.0	2.8	19.0	27.47	
MM-10	Y	Y	240	15:28:00 PM	0.0	0.0	9.9	11.6	27.47	
MM-11	Y	Y	210	15:36:00 PM	698.0	34.9	29.8	0.0	27.47	
MM-12	Y	Y	210	15:45:00 PM	1270.0	63.5	36.4	0.0	27.47	
MM-13	Y	Y	240	15:54:00 PM	0.0	0.0	9.9	8.6	27.47	
SM-1a	Y	Y	120	14:53:00 PM	0.0	0.0	0.0	20.7	27.47	
SM-1b	Y	Y	120	14:56:00 PM	0.0	0.0	0.0	20.6	27.47	Garage door open.
SM-1c	Y	Y	120	15:00:00 PM	0.0	0.0	0.0	20.7	27.47	Garage door open.
SM-2	Y	Y	120	15:03:00 PM	0.0	0.0	0.0	20.7	27.47	Garage door open.
SM-3	Y	Y	120	15:14:00 PM	0.0	0.0	0.0	20.7	27.47	
MW-12	Y	Y	120	15:18:00 PM	0.0	0.0	0.0	20.7	27.47	

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.