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: Sunny 58% 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 31, 2014
Ambient Temp: 38° **Barometric Pressure:** 27.43 Hg
Serial #: 11944
Field Calibration Date/Time : December 31, 2014 1445

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	300	16:15:00 PM	1366.0	68.3	30.4	0.0	27.43	
MM-2	Y	Y	180	16:21:00 PM	1260.0	63.0	35.7	0.0	27.43	
MM-3	Y	Y	240	16:28:00 PM	984.0	49.2	34.3	0.0	27.43	Cover hasp difficult to open/close
MM-4	Y	Y	360	16:35:00 PM	476.0	23.8	25.4	0.0	27.43	
MM-5	Y	Y	180	16:41:00 PM	0.0	0.0	3.6	19.4	27.43	
MM-6	Y	Y	300	16:47:00 PM	94.0	4.7	11.3	0.0	27.43	
MM-7	Y	Y	240	15:12:00 PM	0.0	0.0	4.7	16.4	27.43	
MM-8	Y	Y	240	15:19:00 PM	0.0	0.0	3.7	17.7	27.43	
MM-9	Y	Y	240	15:29:00 PM	0.0	0.0	2.4	19.6	27.43	
MM-10	Y	Y	240	15:39:00 PM	0.0	0.0	14.0	6.2	27.43	
MM-11	Y	Y	210	15:49:00 PM	760.0	38.0	29.7	0.0	27.43	
MM-12	Y	Y	210	15:57:00 PM	1266.0	63.3	36.7	0.0	27.43	
MM-13	Y	Y	240	16:05:00 PM	0.0	0.0	10.6	7.3	27.43	
SM-1a	Y	Y	120	15:00:00 PM	0.0	0.0	0.1	20.9	27.43	
SM-1b	Y	Y	120	15:03:00 PM	0.0	0.0	0.1	20.9	27.43	
SM-1c	Y	Y	120	15:07:00 PM	0.0	0.0	0.1	20.9	27.43	
SM-2	Y	Y	120	14:56:00 PM	0.0	0.0	0.1	20.9	27.43	
SM-3	Y	Y	120	15:25:00 PM	0.0	0.0	0.1	21.1	27.43	
MW-12	Y	Y	120	15:32:00 PM	0.0	0.0	0.1	21.0	27.43	

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.