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: Cloudy 86% 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: July 31, 2014
Ambient Temp: 61° **Barometric Pressure:** 27.35 Hg
Serial #: 11944
Field Calibration Date/Time : July 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	180	12:18:00 PM	1316.0	65.8	33.9	0.1	27.35	
MM-2	Y	Y	180	12:23:00 PM	1230.0	61.5	38.4	0.0	27.35	
MM-3	Y	Y	240	12:30:00 PM	1140.0	57.0	40.0	0.1	27.35	Cover hasp difficult to open/close
MM-4	Y	Y	360	12:39:00 PM	640.0	32.0	24.4	0.0	27.35	
MM-5	Y	Y	180	12:45:00 PM	0.0	0.0	4.8	16.9	27.35	
MM-6	Y	Y	300	12:52:00 PM	306.0	15.3	12.2	0.0	27.35	
MM-7	Y	Y	240	11:58:00 AM	0.0	0.0	5.6	15.3	27.35	
MM-8	Y	Y	240	11:50:00 AM	0.0	0.0	5.1	16.6	27.35	
MM-9	Y	Y	300	11:38:00 AM	0.0	0.0	4.1	17.6	27.35	
MM-10	Y	Y	240	11:28:00 AM	0.0	0.0	14.0	9.5	27.35	
MM-11	Y	Y	210	11:20:00 AM	868.0	43.4	33.9	0.0	27.35	
MM-12	Y	Y	210	11:10:00 AM	1210.0	60.5	39.4	0.0	27.35	
MM-13	Y	Y	240	11:00:00 AM	0.0	0.0	17.0	3.6	27.35	
SM-1a	Y	Y	120	12:06:00 PM	0.0	0.0	0.0	20.8	27.35	
SM-1b	Y	Y	120	12:02:00 PM	0.0	0.0	0.1	20.7	27.35	Garage door open.
SM-1c	Y	Y	120	12:10:00 PM	0.0	0.0	0.0	20.8	27.35	Garage door open.
SM-2	Y	Y	120	11:45:00 AM	0.0	0.0	0.0	20.7	27.35	Garage door open.
SM-3	Y	Y	120	11:41:00 AM	0.0	0.0	0.0	20.7	27.35	
MW-12	Y	Y	120	11:32:0 0 AM	0.0	0.0	0.0	20.7	27.35	

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.