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: Partly cloudy with light breeze 25% 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: March 27, 2014
Ambient Temp: 51° **Barometric Pressure:** 27.38" Hg
Serial #: 11944
Field Calibration Date/Time : March 27, 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	120	3:10:00 PM	0.0	0.0	0.3	20.3	27.38	Well apears to be full of water.
MM-2	Y	Y	180	3:17:00 PM	1352.0	67.6	32.2	0.0	27.38	
MM-3	Y	Y	240	3:24:00 PM	972.0	48.6	33.3	0.2	27.38	Cover hasp difficult to open/close
MM-4	Y	Y	360	3:34:00 PM	510.0	25.5	17.4	0.8	27.38	
MM-5	Y	Y	180	3:40:00 PM	0.0	0.0	2.4	18.3	27.38	
MM-6	Y	Y	240	3:48:00 PM	294.0	14.7	10.3	0.0	27.38	
MM-7	Y	Y	240	2:09:00 PM	0.0	0.0	4.7	15.1	27.38	
MM-8	Y	Y	240	2:02:00 PM	0.0	0.0	3.8	17.2	27.38	
MM-9	Y	Y	240	1:38:00 PM	0.0	0.0	3.8	17.0	27.38	
MM-10	Y	Y	240	2:30:00 PM	0.0	0.0	8.4	14.1	27.38	
MM-11	Y	Y	240	2:42:00 PM	824.0	41.2	29.3	0.0	27.38	
MM-12	Y	Y	240	2:52:00 PM	1274.0	63.7	36.2	0.0	27.38	
MM-13	Y	Y	180	3:01:00 PM	70.0	3.5	13.1	0.0	27.38	
SM-1a	Y	Y	120	2:18:00 PM	0.0	0.0	0.0	20.6	27.38	
SM-1b	Y	Y	120	2:39:00 PM	0.0	0.0	0.1	20.6	27.38	
SM-1c	Y	Y	120	2:22:00 PM	0.0	0.0	0.0	20.6	27.38	Garage door open.
SM-2	Y	Y	120	1:46:00 PM	0.0	0.0	0.0	20.7	27.38	
SM-3	Y	Y	120	1:32:00 PM	0.0	0.0	0.0	20.7	27.38	
MW-12	Y	Y	120	1:42:0 0 PM	0.0	0.0	0.0	20.7	27.38	

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.