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 with light breeze 75% 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: June 27, 2014
Ambient Temp: 70° **Barometric Pressure:** 27.36 Hg
Serial #: 11944
Field Calibration Date/Time : June 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	12:52:00 PM	1404.0	70.2	29.5	0.1	27.36	
MM-2	Y	Y	180	12:59:00 PM	1248.0	62.4	37.4	0.0	27.36	
MM-3	Y	Y	240	1:07:00 PM	1152.0	57.6	38.9	0.1	27.36	Cover hasp difficult to open/close
MM-4	Y	Y	360	1:19:00 PM	786.0	39.3	20.9	0.2	27.36	
MM-5	Y	Y	180	1:24:00 PM	0.0	0.0	3.5	17.4	27.36	
MM-6	Y	Y	300	1:32:00 PM	336.0	16.8	11.1	0.0	27.36	
MM-7	Y	Y	240	12:23:00 PM	0.0	0.0	5.0	14.9	27.36	
MM-8	Y	Y	240	12:15:00 PM	0.0	0.0	5	15.1	27.36	
MM-9	Y	Y	300	12:02:00 PM	0.0	0.0	4.1	16.3	27.36	
MM-10	Y	Y	240	11:52:00 AM	0.0	0.0	11.1	10.9	27.36	
MM-11	Y	Y	210	11:42:00 AM	874.0	43.7	33.2	0.0	27.36	
MM-12	Y	Y	210	11:32:00 AM	1226.0	61.3	38.5	0.0	27.36	
MM-13	Y	Y	180	11:23:00 AM	4.0	0.2	17.9	0.2	27.36	
SM-1a	Y	Y	120	12:28:00 PM	0.0	0.0	0.0	20.2	27.36	
SM-1b	Y	Y	120	12:25:00 PM	0.0	0.0	0.0	20.2	27.36	
SM-1c	Y	Y	120	12:32:00 PM	0.0	0.0	0.0	20.1	27.36	Garage door open.
SM-2	Y	Y	120	12:36:00 PM	0.0	0.0	0.0	20.1	27.36	
SM-3	Y	Y	120	12:08:00 PM	0.0	0.0	0.0	20.1	27.36	
MW-12	Y	Y	120	12:05:0 0 PM	0.0	0.0	0.0	20.1	27.36	

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.