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 40% 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: April 28, 2014
Ambient Temp: 76° **Barometric Pressure:** 27.15 Hg
Serial #: 11944
Field Calibration Date/Time : April 28, 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	N	120	4:00:00 PM	0.0	0.0	4.6	16.9	27.15	Well apears to be full of water.
MM-2	Y	Y	180	4:07:00 PM	1308.0	65.4	34.4	0.1	27.15	
MM-3	Y	Y	240	4:15:00 PM	962.0	48.1	35.0	0.1	27.15	Cover hasp difficult to open/close
MM-4	Y	Y	360	4:24:00 PM	676.0	33.8	17.9	0.2	27.15	
MM-5	Y	Y	180	4:33:00 PM	0.0	0.0	4.0	16.6	27.15	
MM-6	Y	Y	300	4:42:00 PM	360.0	18.0	10.6	0.0	27.15	
MM-7	Y	Y	240	3:34:00 PM	0.0	0.0	4.4	14.6	27.15	
MM-8	Y	Y	240	3:25:00 PM	0.0	0.0	3.9	16.5	27.15	
MM-9	Y	Y	300	3:02:00 PM	0.0	0.0	5.2	13.9	27.15	
MM-10	Y	Y	240	3:12:00 PM	0.0	0.0	8.2	13.0	27.15	
MM-11	Y	Y	210	2:48:00 PM	848.0	42.4	30.0	0.0	27.15	
MM-12	Y	Y	210	2:40:00 PM	1248.0	62.4	37.5	0.0	27.15	
MM-13	Y	Y	180	2:32:00 PM	84.0	4.2	14.0	0.1	27.15	
SM-1a	Y	Y	120	3:38:00 PM	0.0	0.0	0.0	20.4	27.15	
SM-1b	Y	Y	120	3:41:00 PM	0.0	0.0	0.0	20.4	27.15	
SM-1c	Y	Y	120	3:45:00 PM	0.0	0.0	0.0	20.4	27.15	Garage door open.
SM-2	Y	Y	120	3:19:00 PM	0.0	0.0	0.0	20.4	27.15	Garage door open.
SM-3	Y	Y	120	2:55:00 PM	0.0	0.0	0.0	20.3	27.15	Garage door open.
MW-12	Y	Y	120	3:05:0 0 PM	0.0	0.0	0.0	20.3	27.15	

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.