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%	Apr-17
CO_2	35%	Apr-17
O_2	4%	Apr-17

Name of Person Taking Readings: Randal Siske, Environmental Coordinator
Weather Conditions: Cloudy 68% 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: June 30, 2015
Ambient Temp: 75° Barometric Pressure: 27.22 Hg
Serial #: 11944
Field Calibration Date/Time : June 30, 2015 1345

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	3:22:00 PM	1382.0	69.1	30.7	0.0	27.22	
MM-2	Y	Y	180	3:26:00 PM	1244.0	62.2	37.7	0.0	27.22	
MM-3	Y	Y	240	3:34:00 PM	1114.0	55.7	39.3	0.1	27.22	Cover hasp difficult to open/close
MM-4	Y	Y	360	3:44:00 PM	644.0	32.2	21.5	0.0	27.22	
MM-5	Y	Y	180	3:49:00 PM	0.0	0.0	2.9	18.0	27.22	
MM-6	Y	Y	300	3:58:00 PM	258.0	12.9	10.5	0.0	27.22	
MM-7	Y	Y	240	2:18:00 PM	0.0	0.0	5.9	14.5	27.22	
MM-8	Y	Y	240	2:25:00 PM	0.0	0.0	5.1	16.5	27.22	
MM-9	Y	Y	240	2:35:00 PM	0.0	0.0	4.1	16.7	27.22	
MM-10	Y	Y	300	2:44:00 PM	0.0	0.0	18.8	8.2	27.22	
MM-11	Y	Y	300	2:52:00 PM	926.0	46.3	32.2	0.0	27.22	
MM-12	Y	Y	210	3:00:00 PM	1240.0	62.0	37.9	0.0	27.22	
MM-13	Y	Y	240	3:09:00 PM	0.0	0.0	15.2	4.1	27.22	
SM-1a	Y	Y	120	2:13:00 PM	0.0	0.0	0.0	20.4	27.22	Garage door open.
SM-1b	Y	Y	120	2:10:00 PM	0.0	0.0	0.0	20.5	27.22	
SM-1c	Y	Y	120	2:07:00 PM	0.0	0.0	0.0	20.4	27.22	Garage door open.
SM-2	Y	Y	120	2:04:00 PM	0.0	0.0	0.0	20.4	27.22	Garage door open.
SM-3	Y	Y	120	2:30:00 PM	0.0	0.0	0.0	20.4	27.22	Garage door open.
MW-12	Y	Y	120	2:38:00 PM	0.0	0.0	0.0	20.4	27.22	

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.