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%	Apr-17

Name of Person Taking Readings: Randal Siske, Environmental Coordinator
Weather Conditions: Cloudy 91% 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: March 3, 2015
Ambient Temp: 46° Barometric Pressure: 27.36 Hg
Serial #: 11944
Field Calibration Date/Time : March 3, 2015 0850

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	300	9:23:00 AM	40.0	2.0	4.0	19.0	27.36	Well appears to be watered in.
MM-2	Y	Y	180	9:29:00 AM	1198.0	59.9	33.0	0.0	27.36	
MM-3	Y	Y	240	9:36:00 AM	840.0	42.0	32.7	0.0	27.36	Cover hasp difficult to open/close
MM-4	Y	Y	360	9:50:00 AM	624.0	31.2	21.6	0.1	27.36	
MM-5	Y	Y	180	9:57:00 AM	0.0	0.0	1.1	18.8	27.36	
MM-6	Y	Y	300	10:08:00 AM	104.0	5.2	10.0	0.4	27.36	
MM-7	Y	Y	240	11:00:00 AM	0.0	0.0	4.6	16.1	27.36	
MM-8	Y	Y	240	11:11:00 AM	0.0	0.0	3.3	18.3	27.36	
MM-9	Y	Y	240	11:24:00 AM	0.0	0.0	2.6	18.9	27.36	
MM-10	Y	Y	300	11:30:00 AM	832.0	41.6	23.4	0.0	27.36	
MM-11	Y	Y	300	11:38:00 AM	938.0	46.9	29.6	0.0	27.36	
MM-12	Y	Y	210	11:46:00 AM	1284.0	64.2	35.7	0.0	27.36	
MM-13	Y	Y	240	11:55:00 AM	0.0	0.0	10.6	3.8	27.36	
SM-1a	Y	Y	120	10:45:00 AM	0.0	0.0	0.1	21.1	27.36	
SM-1b	Y	Y	120	10:48:00 AM	0.0	0.0	0.1	21.1	27.36	
SM-1c	Y	Y	120	10:52:00 AM	0.0	0.0	0.1	21.2	27.36	
SM-2	Y	Y	120	11:05:00 AM	0.0	0.0	0.0	21.2	27.36	Garage door open.
SM-3	Y	Y	120	11:15:00 AM	0.0	0.0	0.0	21.3	27.36	
MW-12	Y	Y	120	11:19:00 AM	0.0	0.0	0.0	21.2	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.