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: Fair 81% 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: August 29, 2014
Ambient Temp: 65° **Barometric Pressure:** 27.42 Hg
Serial #: 11944
Field Calibration Date/Time : August 29, 2014 0950

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	240	11:30:00 AM	1322.0	66.1	33.7	0.1	27.42	
MM-2	Y	Y	180	11:35:00 AM	1234.0	61.7	38.1	0.0	27.42	
MM-3	Y	Y	240	11:43:00 AM	1134.0	56.7	39.7	0.1	27.42	Cover hasp difficult to open/close
MM-4	Y	Y	360	11:54:00 AM	672.0	33.6	25.6	0.0	27.42	
MM-5	Y	Y	180	11:58:00 AM	0.0	0.0	3.0	18.0	27.42	
MM-6	Y	Y	300	12:08:00 PM	284.0	14.2	12.1	0.0	27.42	
MM-7	Y	Y	240	11:04:00 AM	0.0	0.0	5.4	14.6	27.42	
MM-8	Y	Y	240	10:57:00 AM	0.0	0.0	4.5	16.6	27.42	
MM-9	Y	Y	240	10:48:00 AM	0.0	0.0	3.5	17.4	27.42	
MM-10	Y	Y	240	10:35:00 AM	0.0	0.0	9.9	13.5	27.42	
MM-11	Y	Y	210	10:27:00 AM	826.0	41.3	32.2	0.1	27.42	
MM-12	Y	Y	210	10:20:00 AM	1226.0	61.3	38.5	0.0	27.42	
MM-13	Y	Y	240	10:12:00 AM	0.0	0.0	14.1	6.3	27.42	
SM-1a	Y	Y	120	11:10:00 AM	0.0	0.0	0.0	20.1	27.42	
SM-1b	Y	Y	120	11:07:00 AM	0.0	0.0	0.0	20.2	27.42	Garage door open.
SM-1c	Y	Y	120	11:10:00 AM	0.0	0.0	0.0	20.2	27.42	Garage door open.
SM-2	Y	Y	120	10:52:00 AM	0.0	0.0	0.0	20.0	27.42	Garage door open.
SM-3	Y	Y	120	10:40:00 AM	0.0	0.0	0.0	20.0	27.42	Garage door open.
MW-12	Y	Y	120	10:43:0 0 AM	0.0	0.0	0.0	20.0	27.42	

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.