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: Clear 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: March 30, 2015
Ambient Temp: 41° Barometric Pressure: 27.22 Hg
Serial #: 11944
Field Calibration Date/Time : March 30, 2015 0915

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	1:46:00 PM	2.0	0.1	1.7	19.1	27.22	Well appears to be watered in.
MM-2	Y	Y	180	1:52:00 PM	1346.0	67.3	32.5	0.0	27.22	
MM-3	Y	Y	240	2:00:00 PM	1068.0	53.4	32.8	0.1	27.22	Cover hasp difficult to open/close
MM-4	Y	Y	360	2:09:00 PM	662.0	33.1	19.1	0.0	27.22	
MM-5	Y	Y	180	2:16:00 PM	0.0	0.0	2.1	18.3	27.22	
MM-6	Y	Y	300	2:23:00 PM	232.0	11.6	9.2	0.0	27.22	
MM-7	Y	Y	240	9:41:00 AM	0.0	0.0	5.0	14.8	27.22	
MM-8	Y	Y	240	9:54:00 AM	0.0	0.0	3.9	17	27.22	
MM-9	Y	Y	240	10:09:00 AM	0.0	0.0	2.8	17.8	27.22	
MM-10	Y	Y	300	10:20:00 AM	1166.0	58.3	30.7	0.0	27.22	
MM-11	Y	Y	300	1:18:00 PM	1000.0	50.0	30.0	0.0	27.22	
MM-12	Y	Y	210	1:28:00 PM	1284.0	64.2	35.7	0.0	27.22	
MM-13	Y	Y	240	1:36:00 PM	0.0	0.0	12.6	0.4	27.22	
SM-1a	Y	Y	120	9:29:00 AM	0.0	0.0	0.1	20.1	27.22	
SM-1b	Y	Y	120	9:32:00 AM	0.0	0.0	0.1	20.1	27.22	
SM-1c	Y	Y	120	9:34:00 AM	0.0	0.0	0.1	20.2	27.22	
SM-2	Y	Y	120	9:47:00 AM	0.0	0.0	0.1	20.4	27.22	Garage door open.
SM-3	Y	Y	120	10:00:00 AM	0.0	0.0	0.1	20.7	27.22	Garage door open.
MW-12	Y	Y	120	10:04:00 AM	0.0	0.0	0.1	20.7	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.