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: May 29, 2015
Ambient Temp: 75° Barometric Pressure: 27.40 Hg
Serial #: 11944
Field Calibration Date/Time : May 29, 2015 1105

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	12:34:00 PM	0.0	0.0	32.7	4.6	27.40	Well appears to be watered in.
MM-2	Y	Y	180	12:38:00 PM	1270.0	63.5	35.2	0.0	27.40	
MM-3	Y	Y	240	12:46:00 PM	1042.0	52.1	38.6	0.1	27.40	Cover hasp difficult to open/close
MM-4	Y	Y	360	1:02:00 PM	666.0	33.3	22.6	0.0	27.40	
MM-5	Y	Y	180	1:13:00 PM	0.0	0.0	5.3	17.4	27.40	
MM-6	Y	Y	300	12:04:00 PM	286.0	14.3	8.5	0.0	27.40	
MM-7	Y	Y	240	11:30:00 AM	0.0	0.0	6.4	15.2	27.40	
MM-8	Y	Y	240	11:37:00 AM	0.0	0.0	5.8	16.9	27.40	
MM-9	Y	Y	240	11:47:00 AM	0.0	0.0	5.3	16.6	27.40	
MM-10	Y	Y	300	11:56:00 AM	406.0	20.3	24.6	0.0	27.40	
MM-11	Y	Y	300	12:04:00 PM	980.0	49.0	33.2	0.0	27.40	
MM-12	Y	Y	210	12:12:00 PM	1242.0	62.1	36.5	0.0	27.40	
MM-13	Y	Y	240	12:21:00 PM	8.0	0.4	14.7	0.0	27.40	
SM-1a	Y	Y	120	11:25:00 AM	0.0	0.0	0.0	20.3	27.40	Garage door open.
SM-1b	Y	Y	120	11:22:00 AM	0.0	0.0	0.0	20.4	27.40	
SM-1c	Y	Y	120	11:19:00 AM	0.0	0.0	0.0	20.3	27.40	Garage door open.
SM-2	Y	Y	120	11:15:00 AM	0.0	0.0	0.0	20.3	27.40	Garage door open.
SM-3	Y	Y	120	11:42:00 AM	0.0	0.0	0.0	20.3	27.40	Garage door open.
MW-12	Y	Y	120	11:50:00 AM	0.0	0.0	0.0	20.3	27.40	

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.