

SCS FIELD SERVICES

October 2, 2013
File No. 07211015.00

Mr. Mike Gurley
Republic Services
5105 Morehead Road
Concord, NC 28027

Subject: **Fourth Quarter 2013**
JMN Landfill Probe Monitoring Report
Grover, North Carolina

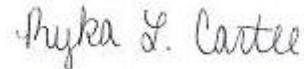
Dear Mike:

SCS Field Services (SCS-FS) performed probe monitoring at the subject site on October 1, 2013. The Landtec GEM-2000 Infrared Gas Analyzer (GEM-2000) was used for monitoring of the probes. The probes were sampled for methane, carbon dioxide, oxygen, balance gas, and pressure. The probe monitoring results are attached.

The data collected is representative of the locations monitored on this date. SCS-FS makes no representation with respect to the presence of methane concentrations in locations not monitored on this date.

Thank you for the opportunity to provide our services. SCS-FS, an employee-owned company, is pleased to assist you in the operation and maintenance of your gas collection system. Please contact either of the undersigned if you have questions or require more information or assistance.

Sincerely,



Ryka L. Cartee
Sr. Project Administrator
SCS FIELD SERVICES



Garold (Tony) A. Cartee
Project Manager
SCS FIELD SERVICES

RLC/GAC

Enclosure

cc: J Morgan, SCS Engineers
Tim Allen, Republic Services

Landfill Gas Monitoring Data Form

- Facility Name: **JMN Landfill**

- Permit Number: Solid Waste Permit # 23-02

- Date of Sampling: **10/01/13**

- NC Landfill Rule (.0500 (C&D) or .1600 (MSW)): .0500

- Name and Position of Sample Collector: Mike Richards/Senior Technician

- Pump Rate of Gas Meter: 300 cc/min.

- Ambient Air Temperature: 77°

- Barometric Pressure: 29.4

- Type and Serial Number of Gas Meter: GEM 2000/ Serial # 7038

- Calibration Date of Gas Meter: March 19, 2013

- Date and Time of Field Calibration: 10/1/13 at 9:50 a.m.

- Type of Field Calibration Gas (15/15 or 35/50): 15/15

- Expiration Date of Field Calibration Gas Canister: January 2016

- General Weather Conditions: Clear

JMN Landfill - Probe Data - 10/01/2013 through 12/31/2013

Name	Date Time	Carbon				Static Press (H2O inch)
		Methane (% by vol)	Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	
GP-01	10/1/2013 10:05	0	2.2	19.8	78	0
GP-02	10/1/2013 10:10	0	0.2	16.5	83.3	0
GP-03	10/1/2013 10:16	0	0.1	18.5	81.4	0
GP-04	10/1/2013 10:23	0	0.3	13.4	86.3	0
GP-05	10/1/2013 10:35	1.3	1	9.4	88.3	0
GP-06	10/1/2013 10:39	0	0.6	20.5	78.9	0
GP-07	10/1/2013 10:47	0	0.1	14.3	85.6	0
GP-08	10/1/2013 10:54	0	0.1	17.2	82.7	0

Field Technician and Weather Conditions

Technician	Date	Ambient Temp (deg F)	Baro Press (in -Hg)	General Weather	Wind Speed	Wind Direction
Mike Richards	10/01/13	77	29.4	Clear	Calm	SE

