

## SCS ENGINEERS

March 13, 2015  
File No. 23212007.03

Ms. Tracy Buchanan  
Ohio EPA Southwest District Office  
401 East Fifth Street  
Dayton, Ohio 45402-2911

Subject: Village of St. Bernard Landfill  
Probe Monitoring Results, March 12, 2015

Dear Ms. Buchanan:

Enclosed please find the results of the gas monitoring performed on behalf of the Village of St. Bernard at the closed St. Bernard Landfill on March 12, 2015.

No combustible gas concentrations at or above the compliance threshold were detected at any of the probes in the compliance monitoring network. It is anticipated that the next monitoring event will be performed during the first full week in April.

Should you have any questions or comments, please contact the undersigned.

Sincerely,



Randall C. Mills, P.G.  
Senior Project Professional  
**SCS ENGINEERS**



James J. Walsh, P.E.  
Principal  
**SCS ENGINEERS**

cc: Chuck DeJonckheere, Hamilton County Health Dept.  
Nick Schapman, CRA  
Bill Burkhardt, Mayor, Village of St. Bernard

Enclosures

**Compliance Probe Monitoring Form for St. Bernard Landfill**

Date: <u>3/12/2015</u>	Sampler: <u>Randall Mills</u>
Instrument: <u>GEM 5000</u>	Weather: <u>Clear to partly cloudy, mod. breeze</u>
Calibration Prior to Sampling: <u>Yes</u>	Ambient Air Temperature (°F): <u>59</u>
Calibration Gas: <u>CH<sub>4</sub> 15%, CO<sub>2</sub> 15%, O<sub>2</sub> 4%</u>	Barometric Pressure (in Hg): <u>30.44</u>
Recalibration: <u>No</u>	Relative Humidity (%): <u>34</u>

Probe ID	Start Time	Stop Time	Gas Pressure (inches water)	Initial CH <sub>4</sub> (% by Volume)	Sustained CH <sub>4</sub> (% by Volume)	Depth to Water Level (feet below ground surface)	Depth to Top of Screen (feet below ground surface)	Open Screen <sup>#</sup> (feet)
MP-1	14:21	14:22	0.02	0	0	9.33	not known	
MP-7E	14:54	14:55	0.01	0	0	4.67	3	1.7
MP-7H	14:59	15:00	1.72	0	0	2.98	2	1.0
MP-8F	14:47	14:48	0	0	0	7.47	4	3.5
MP-9	14:43	14:44	-0.01	0	0	4.30	2	2.3
MP-10	14:39	14:40	0.29	0	0	4.20	2	2.2
MP-16	14:27	14:28	-0.25	0	0	5.03	2	3.0
MP-17	14:32	14:33	0.13	0	0	11.60	2	9.6

Notes:


Signature: Randall C. Mills

<sup>#</sup> A zero or negative value indicates that the probe is watered in.