

## SCS ENGINEERS

December 19, 2014  
File No. 23212007.02

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, December 18, 2014

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 December 18, 2014.

No combustible gas concentrations at or above the compliance threshold were detected at any of the six probes in the compliance monitoring network that are monitored weekly.

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>12/18/2014</u>	Sampler: <u>Randall Mills</u>
Instrument: <u>GEM 5000</u>	Weather: <u>overcast, intermittent snow</u>
Calibration Prior to Sampling: <u>Yes</u>	Ambient Air Temperature (°F): <u>30</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>30.30</u>
Recalibration: <u>No</u>	Relative Humidity (%): <u>72</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* (feet)
MP-1*						-	not known	
MP-7E	15:02	15:03	0.01	0	0	-	3	
MP-7F*						-	3	
MP-7G*						-	2	
MP-7H*						-	2	
MP-8D	14:54	14:55	0.01	0	0	-	4	
MP-8E*						-	4	
MP-8F	14:58	14:59	0.04	0	0	-	4	
MP-8G*						-	4	
MP-9	14:51	14:52	-0.03	0	0	-	2	
MP-10	14:49	14:50	0.04	0	0	-	2	
MP-15*						-	2	
MP-16	14:46	14:47	0.01	0	0	-	2	
MP-17*						-	3	

Notes: Next monthly round of monitoring of all compliance probe and water level measurements is scheduled for the first full week in January.

Could not verify blower is running due to electric utility trucks blocking road to park.

\* Probe monitored on monthly schedule.

Signature: *Randall C. Mills*

\* A zero or negative value indicates that the probe is watered in.