

SCS ENGINEERS

December 4, 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 2, 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 2, 2014.

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

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>12/2/2014</u>	Sampler: <u>Randall Mills</u>
Instrument: <u>GEM 5000</u>	Weather: <u>overcast, light breeze</u>
Calibration Prior to Sampling: <u>Yes</u>	Ambient Air Temperature (°F): <u>36</u>
Calibration Gas: <u>CH₄ 15%, CO₂ 15%, O₂ 4%</u>	Barometric Pressure (in Hg): <u>30.22</u>
Recalibration: <u>No</u>	Relative Humidity (%): <u>89</u>

Probe ID	Start Time	Stop Time	Gas Pressure (inches water)	Initial CH ₄ (% by Volume)	Sustained CH ₄ (% by Volume)	Depth to Water Level (feet below ground surface)	Depth to Top of Screen (feet below ground surface)	Open Screen* (feet)
MP-1	11:10	11:11	-0.02	0	0	9.31	not known	
MP-7E	12:15	12:16	0.01	0	0	8.65	3	5.7
MP-7F	12:27	12:28	1.10	0	0	7.25	3	4.3
MP-7G	12:20	12:21	1.15	0	0	6.67	2	4.7
MP-7H	12:33	12:34	-0.02	0	0	4.57	2	2.6
MP-8D	11:43	11:44	0	0	0	7.10	4	3.1
MP-8E	11:58	11:59	0.01	0	0	9.59	4	5.6
MP-8F	12:04	12:05	0.01	0.1	0	9.81	4	5.8
MP-8G	12:10	12:11	-0.03	0	0	9.35	4	5.3
MP-9	11:37	11:38	0	0.1	0	7.46	2	5.5
MP-10	11:33	11:34	4.76	0	0	5.44	2	3.4
MP-15	11:14	11:15	0	0	0	>4.01	2	2.0
MP-16	11:18	11:19	-0.01	0	0	4.87	2	2.9
MP-17	11:25	11:26	-0.34	0.1	0	11.80	3	8.8

Notes: Next complete round of probe monitoring with water level measurements is scheduled for first full week in January.

Signature: *Randall C. Mills*

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