

## SCS ENGINEERS

July 7, 2016  
File No. 23212007.04

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, July 7, 2016

Dear Ms. Buchanan:

Enclosed please find the results of the monthly gas monitoring at MP-8F performed on behalf of the Village of St. Bernard at the closed St. Bernard Landfill on July 7, 2016. MP-8F is being monitored monthly until it meets the criteria for quarterly monitoring.

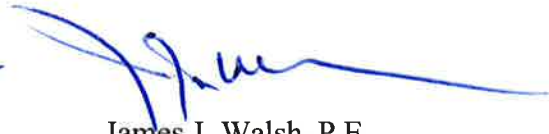
No combustible gas concentrations at or above the compliance threshold were detected at MP-8F. It is anticipated that the next monthly monitoring event for MP-8F will be performed during the first full week of June, along with the other probes that are being monitored on a quarterly schedule.

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 Public Health  
Nick Schapman, GHD  
John Estep, Mayor, Village of St. Bernard

Enclosures

## Compliance Probe Monitoring Form for St. Bernard Landfill

Date: <u>7/7/2016</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>75</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>29.79</u>
Recalibration: <u>No</u>	Relative Humidity (%): <u>83</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							3	-3.0
MP-7H							2	-2.0
MP-8F	8:41	8:42	0.01	0	0	8.29	4	4.3
MP-9							2	-2.0
MP-10							2	-2.0
MP-16							2	-2.0
MP-17							2	-2.0

Notes:

MP-8F is being monitored monthly, until it meets the criteria to be monitored quarterly.  
The other probes are monitored on a quarterly schedule.

Signature: *Randall C. Mills*

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