

## SCS ENGINEERS

December 18, 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  
Contingency Monitoring Results for MP-8F

Dear Ms. Buchanan:

Enclosed please find the results of the four rounds of contingency gas monitoring performed at probe MP-8F on behalf of the Village of St. Bernard at the closed St. Bernard Landfill, on December 8, 11, 15, and 18, 2015.

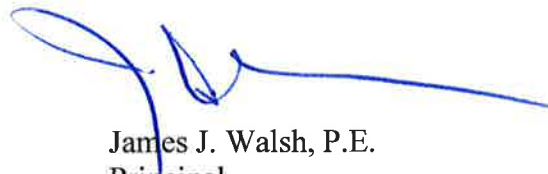
No combustible gas concentrations above the compliance threshold were detected at MP-8F. It is anticipated that a discontinuation of contingency monitoring report will be submitted shortly.

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  
Bill Burkhardt, Mayor, Village of St. Bernard

Enclosures

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

Date: <u>12/8/2015</u>	Sampler: <u>Randall Mills</u>
Instrument: <u>GEM 5000</u>	Weather: <u>partly cloudy, light breeze</u>
Calibration Prior to Sampling: <u>Yes</u>	Ambient Air Temperature (°F): <u>56</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>30.02</u>
Recalibration: <u>No</u>	Relative Humidity (%): <u>47</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	
MP-7H							2	
MP-8F	15:15	15:16	0.00	0	0	8.50	4	4.5
MP-9							2	
MP-10							2	
MP-16							2	
MP-17							2	

Notes:


Signature: *Randall C. Mills*

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

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

Date:	<u>12/11/125</u>	Sampler:	<u>Randall Mills</u>
Instrument	<u>GEM 5000</u>	Weather:	<u>cloudy, calm</u>
Calibration Prior to Sampling:	<u>Yes</u>	Ambient Air Temperature (°F):	<u>63</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>29.22</u>
Recalibration:	<u>No</u>	Relative Humidity (%):	<u>70</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							not known	
MP-7E							3	-3.0
MP-7H							2	-2.0
MP-8F	14:17	14:18	0.01	0	0	8.65	4	4.6
MP-9							2	-2.0
MP-10							2	-2.0
MP-16							2	-2.0
MP-17							2	-2.0

Notes:


Signature: *Randall C. Mills*

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

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

Date:	12/15/125	Sampler:	Randall Mills
Instrument	GEM 5000	Weather:	cloudy, light breeze
Calibration Prior to Sampling:	Yes	Ambient Air Temperature (°F):	49
Calibration Gas:	CH <sub>4</sub> 15%, CO <sub>2</sub> 15%, O <sub>2</sub> 4%	Barometric Pressure (in Hg):	29.79
Recalibration:	No	Relative Humidity (%):	69

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							not known	
MP-7E							3	-3.0
MP-7H							2	-2.0
MP-8F	12:45	13:46	0	0	0	8.75	4	4.7
MP-9							2	-2.0
MP-10							2	-2.0
MP-16							2	-2.0
MP-17							2	-2.0

Notes:

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Signature: *Randall C. Mills*

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

## Compliance Probe Monitoring Form for St. Bernard Landfill

Date: <u>12/18/125</u>	Sampler: <u>Randall Mills</u>
Instrument: <u>GEM 5000</u>	Weather: <u>cloudy, windy, snow flurries</u>
Calibration Prior to Sampling: <u>Yes</u>	Ambient Air Temperature (°F): <u>36</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>29.88</u>
Recalibration: <u>No</u>	Relative Humidity (%): <u>48</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	14:16	14:17	-0.03	0	0	8.82	4	4.8
MP-9							2	-2.0
MP-10							2	-2.0
MP-16							2	-2.0
MP-17							2	-2.0

Notes:

Signature: *Randall C. Mills*

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