

December 10, 2018  
File No. 23212007.06

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

*Submitted Electronically*

Subject: Village of St. Bernard Landfill  
Quarterly Probe Monitoring Results

Dear Ms. Lammers:

Enclosed please find the results of the quarterly gas monitoring performed on behalf of the Village of St. Bernard at the closed St. Bernard Landfill on December 7, 2018.

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

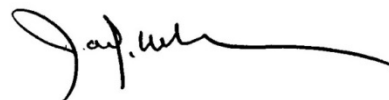
It is anticipated that the next quarterly monitoring event will be performed during the first full week in March 2019.

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

Sincerely,



Randall C. Mills, P.G.  
Senior Project Scientist  
SCS Engineers



James J. Walsh, P.E.  
Principal  
SCS Engineers

RCM/JJW

cc: Nick Schapman, GHD  
Tom Paul, Village of St. Bernard  
John Estep, Village of St. Bernard  
Chuck DeJonckheere, R.S., Hamilton County Public Health

Encl.



## Compliance Probe Monitoring Form for St. Bernard Landfill

Date: <u>12/07/18</u>	Sampler: <u>Randall Mills</u>
Instrument: <u>GEM 5000</u>	Weather: <u>clear, light breeze</u>
Calibration Prior to Sampling: <u>Yes</u>	Ambient Air Temperature (°F): <u>32</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>29.5</u>
Recalibration: <u>No</u>	Relative Humidity (%): <u>61</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	11:12	11:13	0.02	0	0	9.29	not known	
MP-7E	11:41	11:42	0	0	0	4.66	2	2.7
MP-7H	11:46	11:47	0.01	0	0	3.14	2	1.1
MP-8F	11:36	11:37	0	0	0	6.59	2	4.6
MP-9	11:32	11:33	-0.55	0	0	5.24	2	3.2
MP-16	11:18	11:19	0.33	0	0	4.96	2	3.0
MP-17	11:25	11:26	-0.03	0	0	11.20	2	9.7

Notes:

---



---



---



---



---



---



---



---



---



---

Signature: *Randall C. Mills*

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