

December 4, 2020
File No. 23212007.08

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

Submitted Electronically

Subject: St. Bernard Landfill, Blower Shutdown Test Monitoring Report

Dear Ms. Lammers:

This letter presents the results of the monitoring for the blower shutdown test performed on December 3, 2020. The following activity was performed:

- Thursday, December 3, 2020 – a monthly round of monitoring was at the compliance probes.

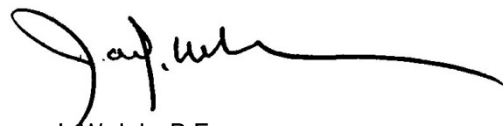
The monitoring form is attached. The combustible gas concentrations were all below 5 percent. It is anticipated that the next round of monitoring on all probes will occur during March 2021.

Please contact the undersigned if you have any questions.

Sincerely,



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



James J. Walsh, P.E.
Project Director
SCS Engineers

RCM/JJW

cc Jonathan Stuchell, Mayor, Village of St. Bernard
Tom Paul, Service Director, Village of St. Bernard
Nick Schapman, GHD
Chuck DeJonckheere, Hamilton County Health Dept.



Compliance Probe Monitoring Form for St. Bernard Landfill

Date: <u>12/03/20</u>	Sampler: <u>Randall Mills</u>
Instrument: <u>GEM 5000</u>	Weather: <u>overcast, calm</u>
Calibration Prior to Sampling: <u>Yes</u>	Ambient Air Temperature (°F): <u>34</u>
Calibration Gas: <u>CH₄ 15%, CO₂ 15%, O₂ 4%</u>	Barometric Pressure (in Hg): <u>30.35</u>
Recalibration: <u>No</u>	Relative Humidity (%): <u>76</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	9:32	9:33	-0.01	0	0	9.27	not known	
MP-7E	9:00	9:01	0.05	0	0	4.77	2	2.8
MP-7H	8:53	8:54	-0.02	0	0	4.25	2	2.3
MP-8F	9:05	9:06	0.03	0	0	7.61	2	5.6
MP-9	9:11	9:12	-0.66	0	0	4.08	2	2.1
MP-16	9:23	9:24	0.01	0	0	4.88	2	2.9
MP-17	9:17	9:18	0.02	0	0	11.77	2	9.8

Notes:

Signature: *Randall C. Mills*

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