

October 12, 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, Weekly Report

Dear Ms. Lammers:

This letter presents the results of this week's monitoring for the blower shutdown test. The following activity was performed this week:

- Monday, October 12, 2020 – a weekly round of monitoring was performed on MP-9, one of the compliance probes which had experienced exceedances.

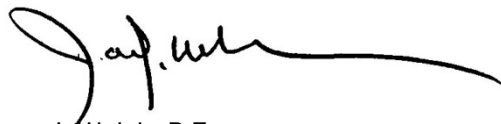
The monitoring form is attached. The combustible gas concentration was below 5 percent at MP-9. With the Friday, October 9th monitoring, four rounds of monitoring results below 5 percent over a period of no less than 2 weeks (September 23 and 30 and October 6 and 9) was obtained for MP-7E. With the Monday, October 12th monitoring, four rounds of monitoring results below 5 percent over a period of no less than 2 weeks (September 30 and October 6, 9, and 12) was obtained for MP-9. Therefore, the blower shutdown test monitoring will return to a monthly schedule. It is anticipated that the next monthly round of monitoring, this time on all probes, will occur during the first week in November.

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>10/12/20</u>	Sampler: <u>Randall Mills</u>
Instrument: <u>GEM 5000</u>	Weather: <u>overcast, calm to light breeze</u>
Calibration Prior to Sampling: <u>Yes</u>	Ambient Air Temperature (°F): <u>66</u>
Calibration Gas: <u>CH₄ 15%, CO₂ 15%, O₂ 4%</u>	Barometric Pressure (in Hg): <u>29.87</u>
Recalibration: <u>No</u>	Relative Humidity (%): <u>91</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							not known	
MP-7E								
MP-7H								
MP-8F								
MP-9	9:23	9:24	0	0	0	8.52	2	6.5
MP-16								
MP-17								

Notes:

Signature: *Randall C. Mills*

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