Environmental Consultants & Contractors

SCS ENGINEERS

July 31, 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, Week 4

Dear Ms. Lammers:

This letter presents the results of fourth week of monitoring for the blower shutdown test. The following activities were performed this week:

 Friday – a weekly round of post shutdown monitoring of the compliance probes was performed.

The monitoring form is attached. No combustible gas concentrations at or above 5 percent were recorded.

This event completed the weekly monitoring. Per the tentative schedule for the first 30-plus days of the blower shutdown test, monthly monitoring will commence. The first monthly monitoring of the compliance probes is scheduled to occur on Friday, August 7th.

Please contact the undersigned if you have any questions.

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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.

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Compliance Probe Monitoring Form for St. Bernard Landfill

Date:	07/31/20				Sampler: Randall Mills			
Instrument GEM 5000					Weather:	overcast, breeze		
Calibration Prior to Sampling: Yes					Ambient Air Ter	nperature (°F): 72		
Calibration Gas:		CH ₄ 15%	, CO ₂ 15%, C	0 ₂ 4%	Barometric Pres	ssure (in Hg):	29.32	
Recalibration: N		No			Relative Humidity (%):		59	
			Gas Pressure			Depth to Water Level (feet below	Depth to Top of Screen (feet below	Open
	Start	Stop	(inches	Initial CH₄ (%	Sustained CH ₄	ground	ground	Screen#
Probe ID	Time	Time	water)	by Volume)	(% by Volume)	surface)	surface)	(feet)
MP-1	8:32	8:33	-0.02	0	0	9.27	not known	
MP-7E	8:04	8:05	0.01	4.1	2.9	4.81	2	2.8
MP-7H	8:40	8:41	0.01	0	0	4.48	2	2.5
MP-8F	8:09	8:10	0	0	0	7.67	2	5.7
MP-9	8:17	8:18	-0.2	0	0	7.01	2	5.0
MP-16	8:27	8:28	0.05	0	0	7.38	2	5.4
MP-17	8:22	8:23	0.01	0	0	11.76	2	9.7
Notes:								
Signature: Rankal	(C. mieu							

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