## SCS ENGINEERS

**Environmental Consultants & Contractors** 

September 16, 2022 File No. 23212007.10

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

Submitted Electronically

Subject:

Village of St. Bernard Landfill

Second Semi-Annual 2022 Monitoring Report

Dear Ms. Lammers:

Enclosed please find the results of the second semi-annual gas monitoring performed on behalf of the Village of St. Bernard at the closed St. Bernard Landfill on September 15, 2022.

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 semi-annual monitoring event will be performed in March 2023.

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

Sincerely,

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

Randall Cmills

**SCS** Engineers

James J. Walsh, P.E.

Principal

SCS Engineers

RCM/JJW

cc: Nick Schapman, GHD

Tom Paul, Village of St. Bernard

Jonathan Stuchell, Village of St. Bernard

Chuck DeJonckheere, R.S., Hamilton County Public Health

Encl.

## Compliance Probe Monitoring Form for St. Bernard Landfill

Date:	09/15/22				Sampler: Randall Mills			
Instrument		GEM 500	00		Weather:	clear, calm		
Calibration Prior to	<u>):</u>	Yes		Ambient Air Ter	nperature (°F): 65			
Calibration Gas:		CH <sub>4</sub> 15%	, CO <sub>2</sub> 15%, C	0 <sub>2</sub> 4%	Barometric Pres	ssure (in Hg):	30.27	
Recalibration: No					Relative Humid	ity (%):	91	
							Depth to	
						Donth to	Top of Screen	
			Gas			Depth to Water Level	(feet	
			Pressure			(feet below	below	Open
	Start	Stop	(inches	Initial CH₄ (%	Sustained CH₄	ground	ground	Screen <sup>#</sup>
Probe ID	Time	Time	water)	by Volume)	(% by Volume)	surface)	surface)	(feet)
MP-1	8:46	8:47	0.01	0	0	9.29	not known	( )
MP-7E	9:05	9:06	-0.41	0.6	1.1	7.63	2	5.6
MP-7H	8:57	8:58	-0.02	0	0	4.57	2	2.6
MP-8F	9:10	9:11	0	0	0	8.02	2	6.0
MP-9	9:19	9:20	0.02	0	0	7.33	2	5.3
MP-16	9:36	9:37	0	0	0	5.15	2	3.2
MP-17	9:28	9:29	0	0	0	>11.80	2	9.8
Notes:								
110100.								
1								
Signature: Randal	(C. Mills							

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