## SCS ENGINEERS

**Environmental Consultants & Contractors** 

March 16, 2023 File No. 23212007.11

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

Submitted Electronically

Subject:

Village of St. Bernard Landfill

First Semi-Annual 2023 Monitoring Report

Dear Ms. Lammers:

Enclosed please find the results of the first semi-annual gas monitoring performed on behalf of the Village of St. Bernard at the closed St. Bernard Landfill on March 15, 2023.

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 September 2023.

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

Randall Cmills

Jonathan Stuchell, Village of St. Bernard

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

Encl.

Facility:	Closed St. Bernard Landfill Hamilton County				Barometric pressure: Ambient air temperature: Barometric pressure:			clear, light breeze					
County:								45 degrees F					
Date of	3/15/2023							30.31	Relative hun	Relative humidity:		33%	
Sampling:								Odors prese		sent?: No			
					<b>Comments:</b>								
Gas meter m	ake and model	: <u>GEM 50</u>	000				Calibra	ition gas:	CH4 15%, CO2 15%, O	2 4.0%	_		
Date of last of Calibration was per	alibration:		Factor	у									
Probe Identification	Sampling Time	Initial CH4 (% by volume)	Conting (check		Current Conditions of the Probe	Pressure (inches water)	Depth to water (FT) from top of casing	As-built Probe Depth (FT below	Length of screen (FT)	Is scre interval fl (check Yes	looded?		
						-		GS)				Comments	
MP-1	14:12	0		X	OK	0.03	12.02	unknown	unknown		X		
MP-7E	14:48	0		X	OK	0.01	5.32	14	11		X		
MP-7H	14:57	0		X	water in valve box	0.01	3.32	15	13		X	bailed water	
MP-8F	14:41	0		X	OK	0	6.90	14	10		X		
MP-9	14:35	0		X	water in valve box	-0.19	6.36	12	10		X	bailed water	
MP-16	14:19	0.1		X	OK	-0.01	5.00	12	10		X		
MP-17	14:25	0		X	OK	0.02	11.23	13	10		X		
									1				

Name Randell C. Mille						
Affiliation:	SCS Engineers					