

March 24, 2025
File No. 23212007.13

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 2025 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 21, 2025.

No combustible gas concentrations at or above the compliance threshold were detected at any of the probes in the compliance monitoring network. One probe, MP-9, was watered-in. A bar punch was performed adjacent to that probe on the residence site and no combustible gas concentration at or above the compliance threshold was detected.

It is anticipated that the next semi-annual monitoring event will be performed in September 2025.

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: Tim Werdmann, Village of St. Bernard
Jonathan Stuchell, Village of St. Bernard
Chuck DeJonckheere, R.S., Hamilton County Public Health

Encl.



EXPLOSIVE GAS MONITORING REPORT

Facility: Closed St. Bernard Landfill	Weather conditions: partly cloudy, windy	Relative Humidity: 29 percent
County: Hamilton County	Ambient air temperature: 58 degrees F	Odors Present?: None
Date of Sampling: 3/21/25	Barometric pressure: 29.98 inches HG	
Comments:		

Gas meter make and model: GEM 5000 **Calibration gas:** CH4 15%, CO2 15%, O2 11.0%

Date of last calibration: 03-21-2025 Calibration was performed in: Field factory

Stick-up Probe Identification	Sampling Time	Initial CH4 (% by volume)	Contingency (check one)		Current Conditions of the Probe	Pressure (inches water)	Depth to water (FT) below TOC	As-built Top of Screen Depth (FT below TOC)	Probe Depth (FT below TOC)	Length of screen (FT)	Is screened interval flooded? (check one)		Comments
			Yes	No							Yes	No	
MP-1	14:20	0		X	no issues	-0.004	10.26	unknown	12.53	unknown		X	
Flush Mount Probe Identification	Sampling Time	Initial CH4 (% by volume)	Contingency (check one)		Current Conditions of the Probe	Pressure (inches water)	Depth to water (FT) below GS	As-built Top of Screen Depth (FT below GS)	Probe Depth (FT below GS)	Length of screen (FT)	Is screened interval flooded? (check one)		Comments
Yes	No	Yes	No	Yes							No		
MP-7E	15:17	0		X	no issues	0.07	2.71	3	14	11		X	
MP-7H	15:07	0		X	no issues*	0	2.06	2	15	13		X	* flush-mount protective casing filled with water. Bailed to remove water to access the probe quick connect.
MP-8F	14:57	0		X	no issues	0.03	6.12	4	14	10		X	
MP-9	14:41			X	watered in*		1.24	2	12	10	X		* flush-mount protective casing filled with water. Bailed to remove water to access the probe quick connect.
MP-16	14:26	0		X	no issues	0.02	5.04	2	12	10		X	
MP-17	14:33	0		X	no issues	0.03	8.88	3	13	10		X	

Name: Randall C. Miller

Affiliation: SCS Engineers

