

September 11, 2024
File No. 23212007.12

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 2024 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 11, 2024.

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 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
County: Hamilton County
Date of Sampling: 9/11/2024

Weather Conditions
Ambient air temperature: 86 degrees F Relative Humidity (%): 28%
Barometric pressure (inches Hg): 30.13 Odor Present? No
Comments: _____

Gas meter make and model: GEM 5000

Calibration gas: CH4 15%, CO2 15%, O 11%

Date of last calibration: 9/11/24

Calibration was performed in: **Field** **Factory**

Probe Identification	Sampling Time	CH ₄ (% by volume)	Contingency (check one)		Current Conditions of the Probe	Pressure (inches water)	Depth to water (FT below GS)	As-built Probe Depth (FT below GS)	Length of screen (FT)	Is screened interval flooded? (check one)		Comments
			Yes	No						Yes	No	
MP-1	9:43	0		X	OK		9.31	unknown	unknown		--	depth of top of screen not known
MP-7E	10:31	0		X	OK		9.18	14	11		X	
MP-7H	10:41	0		X	see note 1		6.63	15	13		X	
MP-8F	10:24	0		X	OK		9.60	14	10		X	
MP-9	10:13	0.1		X	see note 1		8.88	12	10		X	
MP-16	9:49	0.2		X	OK		9.04	12	10		X	
MP-17	9:59	0		X	OK		dry to 11.77	13	10		X	

Note 1. Flush mount protective casing filled with water. Bailed before monitoring.

Name: *Randall C. Miller*

Affiliation: SCS Engineers