

September 8, 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  
Second Semi-Annual 2023 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 7, 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 March 2024.

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  
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:** 9/7/2023

**Weather conditions:** overcast, light breeze  
**Ambient air temperature (degrees F):** 74      **Relative humidity (%):** 53  
**Barometric pressure (inches Hg):** 29.87      **Odors present?:** No  
**Comments:** Depth to liquid in condensate tank = 8.74 ft below manhole cover

**Gas meter make and model:** GEM 5000      **Calibration gas:** CH4 15%, CO2 15%, O2 4.0%

**Date of last calibration:** 9/7/23      **Calibration was performed in:** Field (      Factory      ) (circle one)

Probe Identification	Sampling Time	Initial CH <sub>4</sub> (% by volume)	Contingency (check one)		Current Conditions of the Probe	Pressure (inches water)	Depth to water (FT) from top of casing	Probe Depth (FT below GS))	Length of screen (FT)	Is screened interval flooded? (check one)		Comments
			Yes	No						Yes	No	
MP-1	1:53	0		X	good	0.02	12.05	12.55	unknown		X	replaced quick connect
MP-7E	2:26	0		X	good	0.01	8.25	14	11		X	
MP-7H	2:35	0.1		X	good	-0.22	5.98	15	13		X	
MP-8F	2:22	0		X	good	0.004	8.78	14	10		X	
MP-9	2:16	0		X	good	0.008	8.00	12	10		X	gasket on valve box damaged
MP-16	2:02	0		X	good	-0.01	8.86	12	10		X	
MP-17	2:08	0		X	good	-0.01	11.52	13	10		X	

**Name:** Randall Mills  
**Affiliation:** SCS Engineers