

November 15, 2021
File No. 23212007.09

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

Submitted Electronically

Subject: Village of St. Bernard Landfill
MP-9 Weekly Contingency Monitoring Report

Dear Ms. Lammers:

Attached please find the results of the weekly contingency gas monitoring at MP-9, performed on behalf of the Village of St. Bernard at the closed St. Bernard Landfill on November 10, 2021.

MP-9 had a sustained reading of 2.6 percent combustible gas, below the threshold value of 5 percent. Contingency monitoring will continue to be performed at MP-9 until sufficient data has been collected to meet the cessation criteria.

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.



Compliance Probe Monitoring Form for St. Bernard Landfill

Date: <u>11/10/21</u>	Sampler: <u>Randall Mills</u>
Instrument: <u>GEM 5000</u>	Weather: <u>clear, calm</u>
Calibration Prior to Sampling: <u>Yes</u>	Ambient Air Temperature (°F): <u>48</u>
Calibration Gas: <u>CH₄ 15%, CO₂ 15%, O₂ 4%</u>	Barometric Pressure (in Hg): <u>29.43</u>
Recalibration: <u>No</u>	Relative Humidity (%): <u>91</u>

Probe ID	Start Time	Stop Time	Gas Pressure (inches water)	Initial CH ₄ (% by Volume)	Sustained CH ₄ (% by Volume)	Depth to Water Level (feet below ground surface)	Depth to Top of Screen (feet below ground surface)	Open Screen [#] (feet)
MP-9	9:18	9:19	0.03	2.1	2.6	7.72	2	5.7
MP-9 validation						--	--	--
MP-9 post purge						--	--	--
BP-1						--	--	--

Notes:

Signature: *Randall C. Mills*

[#] A zero or negative value indicates that the probe is watered in.