

August 28, 2023
File No. 23212007.11

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

Submitted Electronically

Subject: St. Bernard Landfill, 2023 Annual Recalibration of CGIs

Dear Ms. Lammers:

This letter presents the results of annual recalibration of Combustible Gas Indicators (CGIs) that are installed in residences adjacent to the closed St. Bernard Landfill in compliance with the approved Explosive Gas Monitoring Plan.

SCS requested access to the eight homes that have CGIs from the owners and/or residents by letter and/or by email to schedule the annual calibration of the CGIs for the afternoon of August 22 through 25, 2023. The table below presents the dates and times when the calibrations were performed. The calibrations were performed by Randall Mills of SCS. Field notes for each recalibration are summarized in the table below. All the CGIs that were calibrated were calibrated with 10,000 ppm (1 percent by volume) methane calibration gas.

Address (Bank Avenue)	Date	Approximate Start Time (p.m.)	CGI in Operation on Arrival	Self-Test Successful	Alarm/Sensor Replacement Required	Calibration Completed (10,000 ppm)
421	8/22/23	14:01	Yes	N/A	No	Yes
425	8/22/23	13:50	Yes**	No	Alarm replaced.	Yes
426*	8/22/23	14:30	No, unplugged. Plugged in.	Yes	No	Yes
429	CGI removed in 2017 per resident request.					
433	8/23/23	16:42	Resident requested CGI be removed. CGI was removed.			
437	8/22/23	16:55	No	Yes	No	Yes
440	8/25/23	17:05	Yes	Yes	No	Yes
441	8/22/23	14:50	Yes	N/A	No	Yes
444	The owner of this residence declined the original offer to install a CGI.					
448	8/22/23	13:39	Yes	N/A	No	Yes

*This residence is located beyond 200 feet from the limits of waste.

**Resident inadvertently unplugged alarm.

A copy of the Continuous Explosive Gas Alarm Report is attached. It includes only the residences within 200 feet of the limits of waste with alarms installed at the conclusion of this monitoring event.



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Please contact the undersigned if you have any questions.

Sincerely,



Randall C. Mills, P.G.
Senior Project Scientist
SCS Engineers



James J. Walsh, P.E.
Project Director
SCS Engineers

RCM/JJW

cc Jonathan Stuchell, Mayor, Village of St. Bernard
Tom Paul, Service Director, Village of St. Bernard
Nick Schapman, GHD
Chuck DeJonckheere, Hamilton County Health Dept.

Continuous Explosive Gas Alarm Report
Closed St Bernard Landfill

Location or address	Date	Alarm Operational (Y/N)	Date Last Tested
421 Bank Avenue	08/22/23	Y	08/16/22
425 Bank Avenue	08/22/23	Y	08/25/22
437 Bank Avenue	08/22/23	Y	08/16/22
440 Bank Avenue	08/25/23	Y	02/02/21
441 Bank Avenue	08/22/23	Y	08/16/22
448 Bank Avenue	08/22/23	Y	08/16/22

Signature: *Randall C. Mills*

Date of inspection: 08/22/23 & 08/25/23