

July 13, 2020  
File No. 23212007.08

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

Submitted Electronically

Subject: St. Bernard Landfill, 2020 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 March 20, 2020. The annual recalibration of CGIs was delayed in March, following Ohio EPA's March 16, 2020 approval, due to COVID-19 concerns. The table below presents the dates and times when the calibrations were performed. The calibrations were performed by Randall Mills of SCS. Mr. Mills was accompanied by Nick Schapman, GHD, on May 29, 2020. Field notes for each recalibration are also summarized in the table below. All the CGIs have a set point of 10,000 ppm (1 percent by volume), with the exception of 441 Bank Avenue for which the CGI remains at a set point of 2,000 ppm (0.2 percent by volume).

Address (Bank Avenue)	Date	Approximate Start Time (p.m.)	CGI in Operation on Arrival	Sensor Replacement Required	Calibration Completed (10,000 ppm)	Verification Test Successful
421	5/29/20	13:47	Yes	No	Yes	Yes
425	6/18/20	15:10	No	No	Yes	Yes
426*	5/29/20	13:15	No	No	Yes	Yes
429	CGI removed in 2017 per resident request.					
433	5/29/20	14:00	No	No	Yes	Yes
437	5/29/20	13:35	No	No	Yes	Yes
440	5/29/20	13:40	Yes	No	Yes	Yes
441	6/1/20	16:55	Yes	No	Calibrated to 2,000 ppm.	Yes
444	The owner of this residence declined the original offer to install a CGI. The owner was contacted on June 5, 2020 and confirmed that he does not want a CGI installed.					
448	7/10/20	14:00	Yes	No	Yes	Yes

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

The CGIs that were found to be unplugged were plugged in to perform the calibration and were left plugged in after the calibration.



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Note that the CGI in 448 Bank alarmed on June 6, 2020. The fire department responded and found no hazard due to combustible gas. The homeowner did not recall the use of any products like aerosol sprays that could have triggered the alarm at that time. The homeowner did note that she has intermittent problems with odors from the floor drain in the laundry room where the alarm is located. Methane from sewer gas is a possible cause for the alarm activation.

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.