

SCS ENGINEERS

May 11, 2018
File No. 23212007.06

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

Submitted Electronically

Subject: Saint Bernard Landfill, 2018 Annual Recalibration of CGIs

Dear Ms. Buchanan:

This letter presents the results of annual recalibration of Combustible Gas Indicators (CGIs) that are installed in residences adjacent to the closed Saint 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 14, 2018. Six homes had their CGIs calibrated on March 14, 2018 and one home had their CGI calibrated on April 27, 2018. The calibrations were performed by Randall Mills of SCS. Field notes for each recalibration are summarized in the table below. All the CGIs have a set point of 10,000 ppm (1 percent by volume), with the exception of the Zeigler property (441 Bank Avenue) for which the two CGIs remain 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	3/14/18	18:00	Yes	No	Yes	Yes
425	As of the date of this report, SCS has not been able to make contact with the owner of this residence. SCS will continue to attempt to perform the calibration and will submit a supplemental report when the calibration is performed.					
426	3/14/18	12:54	No, not plugged in.	No	Yes	Yes
429	CGI removed in 2017 per resident request.					
433	4/27/18	17:45	No, not plugged in.	No	Yes	Yes
437	3/14/18	16:30	Yes	No	Yes	Yes
440	3/14/18	13:00	Yes	No	Yes	Yes



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
441	3/14/18	13:10	Yes	No	Calibrated to 2,000 ppm.	Yes
444	The owner of this residence declined the original offer to install a CGI.					
448	3/14/18	18:05	Yes	No	Yes	Yes

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

Please contact the undersigned if you have any questions.

Sincerely,



Randall C. Mills
Senior Project Scientist
SCS ENGINEERS



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

RCM/JJW

- cc Tracy Buchanan, Ohio EPA
John Estep, Mayor, Village of St. Bernard
Tom Paul, Service Director, Village of St. Bernard
Nick Schapman, GHD
Chuck DeJonckheere, Hamilton County Health Dept.