

## SCS ENGINEERS

March 21, 2017  
File No. 23212007.05

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

**Subject:** Saint Bernard Landfill, 2017 Annual Recalibration of CGIs

Dear Ms. Buchanan:

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

SCS contacted the owners and/ or residents of the 9 homes that have alarms by letter and/or by email to schedule the annual calibration of the CGIs for the afternoon of March 7, 2016. Eight alarms were calibrated on March 7, 2017 and one alarm was calibrated on March 8, 2017. The calibration was performed by Randall Mills of SCS. Field notes for each recalibration are summarized in the table below. All the alarms 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 alarms remain at a set point of 2,000 ppm (0.2 percent by volume).

<b>Address (Bank Avenue)</b>	<b>Date</b>	<b>Approximate Start Time (p.m.)</b>	<b>CGI in Operation on Arrival</b>	<b>Sensor Replacement Required</b>	<b>Calibration Completed (10,000 ppm)</b>	<b>Verification Test Successful</b>
421	3/7/17	17:15	Yes	No	Yes	Yes
425	3/7/17	13:15	Yes	Yes	Yes	Yes
426	3/7/17	13:45	No, not plugged in.	No	Yes	Yes
429	3/7/17	16:00	Yes	Resident requested CGI be removed.		
433	3/7/17	13:52	No, not plugged in.	No	Yes	Yes
437	3/7/17	13:55	Yes	No	Yes	Yes
440	3/8/17	16:55	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	3/7/17	14:00	Yes	No	Calibrated to 2,000 ppm.	Yes
448	3/7/17	14:05	Yes	No	Yes	Yes

The alarms that were found to be unplugged were plugged in to perform the calibration and were left plugged in after the calibration. As noted above, the resident in 429 Bank requested that the CGI be removed from his residence, so the unit was removed. A signed acknowledgement is attached.

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 John Estep, Mayor, Village of St. Bernard  
Nick Schapman, GHD  
Chuck DeJonckheere, Hamilton County Health Dept.

Enclosures