

SCS ENGINEERS

March 14, 2016
File No. 23212007.04

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

Subject: Saint Bernard Landfill, 2016 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 4, 2016. On the initial day, the alarms were calibrated at 5 residences. The alarms in two residences were calibrated on March 11, 2016. Another alarm was recalibrated on March 14th. The alarm at the 9th residence has not been calibrated at the time of this report as the room in which the alarm is located is undergoing renovation. 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).

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	3/14/16	15:55	No, not plugged in.	No	Yes	Yes
425	3/4/16	13:00	Yes	No	Yes	Yes
426	3/11/16	17:45	No, not plugged in.	No	Yes	Yes
429	3/4/16	13:07	Yes	No	Yes	Yes
433	(Access to room where alarm located not available due to renovation.)					
437	3/4/16	13:30	Yes	No	Yes	Yes
440	3/4/16	13:35	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	3/11/16	16:05	Yes*	No	Calibrated to 2,000 ppm	Yes
448	3/4/16	13:30	Yes	No	Yes	Yes

* Residence has two alarms.

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

A supplement to this report will be prepared after the alarm at 433 Bank Avenue has been calibrated.

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.