

## SCS ENGINEERS

March 19, 2015  
File No. 23212007.02

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

**Subject:** Saint Bernard Landfill, 2015 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 Explosive Gas Monitoring Plan approved by the Ohio EPA on February 2, 2015.

SCS contacted the residents or owners of the 9 homes that have alarms by phone, by letter, and/or by email to schedule the annual calibration of the CGIs for the afternoon of March 11, 2015. The calibration was performed by Randall Mills of SCS and observed by Nick Schapman of CRA. 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)	Approximate Start Time (p.m.)	CGI in Operation on Arrival	Sensor Replacement Required	Calibration Completed (10,000 ppm)	Verification Test Successful
421	15:55	Yes	No	Yes	Yes
425*	16:11	One not plugged in, the other was operating.	No**	Yes	Yes
426	16:02	No, not plugged in.	No	Yes	Yes
429	17:07	Yes	No	Yes	Yes
433	16:35	No, not plugged in.	No	Yes	Yes
437	14:45	Yes	No	Yes	Yes
440	17:00	Yes	No	Yes	Yes



Address (Bank Avenue)	Approximate Start Time (p.m.)	CGI in Operation on Arrival	Sensor Replacement Required	Calibration Completed (10,000 ppm)	Verification Test Successful
441*	17:20	One not plugged in, the other was operating.	No	Calibrated to 2,000 ppm	Yes
448	14:55	Yes	No	Yes	Yes

\* Residence has two alarms.

\*\* One of the two alarms in 425 Bank Avenue would not recalibrate. With the consent of the owner, the alarm located in the kitchen area was not replaced. The remaining alarm is located in the basement (where any methane infiltration and accumulation would be most likely to occur) and provides sufficient protection to the structure.

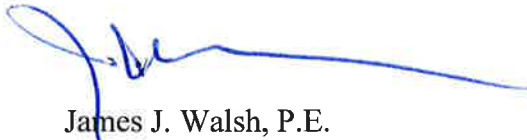
The alarms that were found to be unplugged were plugged in to perform the calibration and were left plugged after the calibration.

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 Chuck DeJonckheere, Hamilton County Health Dept.  
Nick Schapman, CRA  
Bill Burkhardt, Mayor, Village of St. Bernard

Enclosures