

## SCS ENGINEERS

March 25, 2014  
File No. 23212007.02

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

Subject: Saint Bernard Landfill, 2014 Annual Recalibration of CGIs

Dear Ms. Buchanan:

This letter presents the results of annual recalibration, per Order #28 of the Director's Final Findings and Orders (DFF&Os) dated September 16, 2009, of Combustible Gas Indicators (CGIs) that have been installed in residences adjacent to the Saint Bernard Landfill in compliance with Orders #24 and 26 of the DFF&Os.

SCS contacted the residents or owners of the 8 homes that have alarms by phone, by letter, and/or by email to schedule the annual calibration of the CGIs for the evening of March 20, 2014. The calibration was performed by Randall Mills of SCS and observed by Nick Schapman of CRA. Field notes for each recalibration are attached and are summarized in the table below. All the alarms have a set point of 10,000 ppm, with the exception of the Zeigler property (441 Bank Avenue) for which the alarms remain at a set point of 2,000 ppm.

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	4:22	Yes	No	Yes	Yes
425	5:24	Yes*	No	Yes	Yes
426	5:19	Yes	No	Yes	Yes
429	4:31	Yes	No	Yes	Yes
433	4:39	Yes	No	Yes	Yes
437	4:48	Yes	No	Yes	Yes
441	4:55	Yes*	No	Calibrated to 2,000 ppm	Yes
448	5:11	Yes	No	Yes	Yes

\*Residence has two alarms.



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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

St. Bernard Landfill

Combustible Gas Indicator Action Record

Date: 3/20/14 Time: 4:22

Address: 421 Bank Avenue

Resident Contact: Mike Ramsey

SCS Personnel: R. Mills

Action:  Annual Calibration  
 Alarm Response  
 Other: \_\_\_\_\_

Describe situation found: Alarm was plugged in and indicator light was on.

Describe actions taken: Applied calibration gas. Alarm sounded within 30 sec of application. Alarm stopped within 30 sec of removal of calibration gas.

Follow-up recommended: None

St. Bernard Landfill

Combustible Gas Indicator Action Record

Date: 3/20/14 Time: 5:24

Address: 425 Bank Avenue

Resident Contact: tenant of Tim Hackney

SCS Personnel: R. Mills

Action:  Annual Calibration  
 Alarm Response  
 Other: \_\_\_\_\_

Describe situation found: Alarms in kitchen and basement were plugged in and indicator lights were on

Describe actions taken: Applied calibration gas to each alarm. Adjusted sensitivity until each alarm responded within 30 seconds of application of calibration gas and both alarms stopped within 30 seconds of removal of calibration gas.

Follow-up recommended: None.

St. Bernard Landfill

Combustible Gas Indicator Action Record

Date: 3/20/14 Time: 5.19

Address: 426 Bank Avenue

Resident Contact: Bob Craddock

SCS Personnel: R. Mills

Action:  Annual Calibration  
 Alarm Response  
 Other: \_\_\_\_\_

Describe situation found: Alarm was found plugged in with indicator light on

Describe actions taken: Applied calibration gas. Alarm sounded within 30 seconds. Alarm stopped within 20 seconds of removal of calibration gas.

Follow-up recommended: None

St. Bernard Landfill

Combustible Gas Indicator Action Record

Date: 3/20/14 Time: 4:31

Address: 429 Bank Avenue

Resident Contact: Bob Schreyer

SCS Personnel: R. Mills

Action:  Annual Calibration  
 Alarm Response  
 Other: \_\_\_\_\_

Describe situation found: Alarm was plugged in and indicator light was on.

Describe actions taken: Applied calibration gas and alarm sounded within 30 seconds. Alarm stopped with 30 seconds of removal of calibration gas.

Follow-up recommended: None.

St. Bernard Landfill

Combustible Gas Indicator Action Record

Date: 3/20/14 Time: 4:39

Address: 433 Bank Avenue

Resident Contact: Jackie Shrader

SCS Personnel: R. Mills

Action:  Annual Calibration  
 Alarm Response  
 Other: \_\_\_\_\_

Describe situation found: Alarm was plugged in and indicator light was on.

Describe actions taken: Applied calibration gas and alarm sounded within 30 seconds. Alarm stopped within 30 seconds at the gas removed.

Follow-up recommended: None

St. Bernard Landfill

Combustible Gas Indicator Action Record

Date: 3/20/14 Time: 4:48

Address: 437 Bank Avenue

Resident Contact: Marian Ristner

SCS Personnel: R. Mills

Action:  Annual Calibration  
 Alarm Response  
 Other: \_\_\_\_\_

Describe situation found: Alarm was plugged in and green indicator light was on.

Describe actions taken: Applied calibration gas and alarm sounded within 30 seconds. Alarm stopped within 30 seconds of removal of calibration gas.

Follow-up recommended: None.



St. Bernard Landfill

Combustible Gas Indicator Action Record

Date: 3/20/14 Time: 4:55

Address: 441 Bank Avenue

Resident Contact: tenant of Greg Ziegler

SCS Personnel: R. Mills

Action:  Annual Calibration  
 Alarm Response  
 Other: \_\_\_\_\_

Describe situation found: The 2 alarms located in the basement were both plugged in and green indicator lights were lit.

Describe actions taken: Applied calibration gas to each and each alarm sounded within 30 seconds of application of calibration gas. Both alarms stopped within 30 seconds of removal of calibration gas.

Follow-up recommended: None.

St. Bernard Landfill

Combustible Gas Indicator Action Record

Date: 3/20/14 Time: 5:11

Address: 448 Bank Avenue

Resident Contact: Kathy Thomas

SCS Personnel: R. Mills

Action:  Annual Calibration  
 Alarm Response  
 Other: \_\_\_\_\_

Describe situation found: Alarm was plugged in and green indicator light was on.

Describe actions taken: Applied calibration gas and alarm sounded within 30 seconds. Alarm stopped within 30 seconds of removal of calibration gas

Follow-up recommended: None