

February 22, 2021  
File No. 23212007.09

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

Submitted Electronically

Subject: St. Bernard Landfill, 2021 Annual Recalibration of CGIs

Dear Ms. Lammers:

This letter presents the results of annual recalibration of Combustible Gas Indicators (CGIs) that are installed in residences adjacent to the closed St. 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 February 2, 2021. The annual recalibration of CGIs was accelerated from the normal schedule of March, per Ohio EPA's request related to the ongoing blower shutdown test. The table below presents the dates and times when the calibrations were performed. The calibrations were performed by Randall Mills of SCS. Mr. Mills was accompanied by Nick Schapman, GHD, on February 2, 2021 during the early afternoon. Field notes for each recalibration are summarized in the table below. All the CGIs were calibrated with 10,000 ppm (1 percent by volume) calibration gas. The 441 Bank Avenue CGI was formerly calibrated with 2,000 ppm (0.2 percent by volume) calibration gas but is now calibrated using the 10,000 ppm calibration gas because the 2,000 ppm calibration gas is no longer available from the calibrator manufacturer.

| 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                   | 2/2/21   | 17:02                         | Yes                         | No                          | Yes                                | Yes                          |
| 425                   | 2/2/21   | 17:07                         | Yes                         | No                          | Yes                                | Yes                          |
| 426*                  | 2/2/21   | 15:22                         | Yes                         | No                          | Yes                                | Yes                          |
| 429                   | CGI removed in 2017 per resident request. Confirmed and witnessed in person on February 2 <sup>nd</sup> that he does not want a CGI reinstalled.   |                               |                             |                             |                                    |                              |
| 433                   | 2/25/21  | 14:00                         | No. CGI was unplugged.      | No                          | Yes                                | Yes                          |
| 437                   | 2/2/21   | 14:37                         | Yes                         | No                          | Yes                                | Yes                          |
| 440                   | 2/2/21   | 13:56                         | Yes                         | No                          | Yes                                | Yes                          |
| 441                   | 2/2/21   | 14:07                         | Yes                         | No                          | Yes                                | Yes                          |
| 444                   | The owner of this residence declined the original offer to install a CGI. The owner was recontacted by email on January 25, 2021 and he confirmed that he does not want a CGI installed. |                               |                             |                             |                                    |                              |



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| Address<br>(Bank<br>Avenue) | Date   | Approximate<br>Start Time<br>(p.m.) | CGI in<br>Operation<br>on Arrival | Sensor<br>Replacement<br>Required | Calibration<br>Completed<br>(10,000 ppm) | Verification<br>Test<br>Successful |
|-----------------------------|--------|-------------------------------------|-----------------------------------|-----------------------------------|--|------------------------------------|
| 448                         | 2/2/21 | 14:02                               | Yes                               | No                                | Yes                                      | Yes                                |

\*This residence is located beyond 200 feet from the limits of waste.

Please contact the undersigned if you have any questions.

Sincerely,



Randall C. Mills, P.G.  
Senior Project Scientist  
SCS Engineers



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

RCM/JJW

cc Jonathan Stuchell, Mayor, Village of St. Bernard  
Tom Paul, Service Director, Village of St. Bernard  
Nick Schapman, GHD  
Chuck DeJonckheere, Hamilton County Health Dept.