

## SCS ENGINEERS

December 24, 2014  
File No. 23212007.02

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

Subject: Village of St. Bernard Landfill  
Probe Monitoring Results, December 24, 2014

Dear Ms. Buchanan:

Enclosed please find the results of the gas monitoring performed on behalf of the Village of St. Bernard at the closed St. Bernard Landfill on December 24, 2014.

No combustible gas concentrations at or above the compliance threshold were detected at any of the six probes in the compliance monitoring network that are monitored weekly.

Should you have any questions or comments, please contact the undersigned.

Sincerely,



F. Daniel Brennan, P.E.  
Senior Project Professional  
**SCS ENGINEERS**



James J. Walsh, P.E.  
Principal  
**SCS ENGINEERS**

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

Enclosures

Date: 12/24/2014  
 Instrument: GEM 5000  
 Calibration Prior to Sampling: Yes  
 Calibration Gas: CH<sub>4</sub> 15%, CO<sub>2</sub> 15%, O<sub>2</sub> 4%  
 Recalibration: No

Sampler: Dan Brennan  
 Weather: Light rain/drizzle  
 Ambient Air Temperature (°F): 54° F  
 Barometric Pressure (in Hg): 29.52  
 Relative Humidity (%): 99%

| Probe ID                   | Start Time | Stop Time | Gas Pressure (inches water) | Gas Temp. (°F) | Initial CH <sub>4</sub> (Immediate Yield) (% by Volume) | Sustained CH <sub>4</sub> (% by Volume) | Vacuum Applied | Depth to Water (Feet from Top of Casing) |
|----------------------------|------------|-----------|-----------------------------|----------------|---|---|----------------|--|
| Compliance Probes (Weekly) |            |           |                             |                |   |   |                |  |
| MP-1*                      |            |           |                             |                |   |   | -              | -  |
| MP-7E                      | 11:17      | 11:18     | 0.04                        |                | 0.0   | 0.0                                     | -              |  |
| MP-7F*                     |            |           |                             |                |   |   | -              | -  |
| MP-7G*                     |            |           |                             |                |   |   | -              | -  |
| MP-7H*                     |            |           |                             |                |   |   | -              | -  |
| MP-8D                      | 11:10      | 11:12     | 0.04                        |                | 2.8   | 2.8                                     | -              |  |
| MP-8E*                     |            |           |                             |                |   |   | -              | -  |
| MP-8F                      | 11:13      | 11:14     | 0.02                        |                | 0.0   | 0.0                                     | -              |  |
| MP-8G*                     |            |           |                             |                |   |   | -              | -  |
| MP-9                       | 11:03      | 11:04     | -0.01                       |                | 0.0   | 0.0                                     | -              |  |
| MP-10                      | 10:59      | 11:00     | 0.00                        |                | 0.0   | 0.0                                     | -              |  |
| MP-15*                     |            |           |                             |                |   |   | -              | -  |
| MP-16                      | 10:57      | 10:58     | -0.04                       |                | 0.0   | 0.0                                     | -              |  |
| MP-17*                     |            |           |                             |                |   |   | -              | -  |

Notes: Check that blower is operating - yes

---



---



---



---

\* Probe monitored on monthly schedule.

Signature: \_\_\_\_\_

Depth to liquid for 1,000 gallons in condensate tank = 6.83 ft