September 9, 2019
File No. 23212007.07

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

Submitted Electronically

Subject: Village of St. Bernard Landfill
Quarterly Probe Monitoring Results

Dear Ms. Lammers:

Enclosed please find the results of the quarterly gas monitoring performed on behalf of the Village of St. Bernard at the closed St. Bernard Landfill on September 5, 2019.

No combustible gas concentrations at or above the compliance threshold were detected at any of the probes in the compliance monitoring network.

It is anticipated that the next quarterly monitoring event will be performed during the first full week in December 2019.

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

Sincerely,

Randall C. Mills

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

James J. Walsh, P.E.
Principal
SCS Engineers

RCM/JJW

cc: Nick Schapman, GHD
Tom Paul, Village of St. Bernard
John Estep, Village of St. Bernard
Chuck DeJonckheere, R.S., Hamilton County Public Health

Encl.

Compliance Probe Monitoring Form for St. Bernard Landfill

Date:	09/05/19	Sampler:	Randall Mills
Instrument	GEM 5000	Weather:	clear, breezy
Calibration Prior to Sampling:	Yes	Ambient Air Temperature (^{o}F):	78
Calibration Gas:	CH_4 15%, CO_2 15%, O_2 4%	Barometric Pressure (in Hg):	29.6
Recalibration:	Yes	Relative Humidity (%):	48

Probe ID	Start Time	Stop Time	Gas Pressure (inches water)	Initial CH_4 (% by Volume)	Sustained CH_4 (% by Volume)	Depth to Water Level (feet below ground surface)	Depth to Top of Screen (feet below ground surface)	Open Screen[#] (feet)
MP-1	15:00	15:01	0.02	0	0	9.26	not known	
MP-7E	15:35	15:36	-0.02	0	0.8	6.84	2	4.8
MP-7H	15:44	15:45	-0.35	0	0	4.69	2	2.7
MP-8F	15:29	15:30	-0.02	0	0	7.83	2	5.8
MP-9	15:21	15:22	0.20	0	0	6.98	2	5.0
MP-16	15:06	15:07	-0.01	0	0	5.33	2	3.3
MP-17	15:12	15:13	0	0	0	>11.76	2	9.7

Notes:

Signature: Randall C. Mills

[#] A zero or negative value indicates that the probe is watered in.