SCS ENGINEERS

January 5, 2017 File No. 23212007.04

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

Subject: Village of St. Bernard Landfill

Contingency Probe Monitoring Results, December 28 and 30, 2016

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 28 and 30, 2016.

No combustible gas concentrations above the compliance threshold were detected at MP-9 or MP-10.

James J. Walsh, P.E.

SCS ENGINEERS

Principal

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

Sincerely,

Randall C. Mills, P.G.

Senior Project Professional

SCS ENGINEERS

Chuck DeJonckheere, Hamilton County Public Health

Nick Schapman, GHD

Randall Cmills

John Estep, Mayor, Village of St. Bernard

Enclosures

Compliance Probe Monitoring Form for St. Bernard Landfill

Date:		12/28/16				Jon Bedell		
Instrument	GEM 5000					clear		
	libration Prior to Sampling: Yes				Ambient Air Ten			48
Calibration Gas: CH ₄ 15%, C			O ₂ 15%, O ₂ 4%		Barometric Pres			30.04
		No			Relative Humidit	ty (%):		42
	9					<u> </u>		
Probe ID	Start Time	Stop Time	Gas Pressure (inches water)	Initial CH₄ (% by Volume)	Sustained CH₄ (% by Volume)	Depth to Water Level (feet below ground surface)	Depth to Top of Screen (feet below ground surface)	Open Screen [#] (feet)
MP-1		· · · · · · · · · · · · · · · · · · ·					not known	
MP-7E							3	
MP-7H							2	
MP-8F							4	
MP-9	16:10	16:11	0.06	0.7	0.7	5.42	2	3.4
MP-10	16:04	16:05	-0.44	0.8	0	4.21	2	2.2
MP-16							2	
MP-17							2	
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Notes:								
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Signature:	50	Du V	211/	11				

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

Compliance Probe Monitoring Form for St. Bernard Landfill

Date:		12/30/16		Sampler: Jon Bedell				
Instrument		GEM 5000		Weather: clear				
Calibration Prior to Sampling:			Yes		Ambient Air Temperature (°F):			39
Calibration	Gas:	CH ₄ 15%, CO	₂ 15%, O ₂ 4%		Barometric Pressure (in Hg):			30.13
Recalibration:		No			Relative Humidi	ty (%):	43	
							rr	
Probe ID	Start Time	Stop Time	Gas Pressure (inches water)	Initial CH₄ (% by Volume)	Sustained CH₄ (% by Volume)	Depth to Water Level (feet below ground surface)	Depth to Top of Screen (feet below ground surface)	Open Screen [#] (feet)
MP-1							not known	
MP-7E							3	
MP-7H							2	
MP-8F							4	
MP-9	16:00	16:01	0.03	0.2	0.2	6.01	2	4.0
MP-10	15:54	15:55	0.02	0.2	0.2	4.52	2	2.5
MP-16							2 2	
MP-17								
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Notes								
Notes:								
Signature:	2	Pint	Sali	1/7				

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