### SCS ENGINEERS

December 18, 2015 File No. 23212007.03

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

Subject:

Village of St. Bernard Landfill

Contingency Monitoring Results for MP-8F

Dear Ms. Buchanan:

Enclosed please find the results of the four rounds of contingency gas monitoring performed at probe MP-8F on behalf of the Village of St. Bernard at the closed St. Bernard Landfill, on December 8, 11, 15, and 18, 2015.

No combustible gas concentrations above the compliance threshold were detected at MP-8F. It is anticipated that a discontinuation of contingency monitoring report will be submitted shortly.

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

Sincerely,

Randall C. Mills, P.G. Senior Project Professional

SCS ENGINEERS

James J. Walsh, P.E.

Principal

SCS ENGINEERS

cc:

Chuck DeJonckheere, Hamilton County Public Health

Nick Schapman, GHD

Randell Cmills

Bill Burkhardt, Mayor, Village of St. Bernard

**Enclosures** 

Date: 12/8/2015					Sampler: Randall Mills			
Instrument					Weather: partly cloudy, light breeze			
Calibration Prior to Sampling: Yes					Ambient Air Ter	nperature (°F):	56	
Calibration Gas: CH <sub>4</sub> 15%, CO <sub>2</sub> 15%, O <sub>2</sub> 4%				Barometric Pressure (in Hg):		30.02		
Recalibration	on:	No		_	Relative Humidity (%):		47	
	ia ia				, ,			
Probe ID	Start Time	Stop Time	Gas Pressure (inches water)	Initial CH₄ (% by Volume)	Sustained CH <sub>4</sub> (% by Volume)	Depth to Water Level (feet below ground surface)	Depth to Top of Screen (feet below ground surface)	Open Screen <sup>#</sup> (feet)
MP-1							not known	
MP-7E							3	
MP-7H							2	
MP-8F	15:15	15:16	0.00	0	0	8.50	4	4.5
MP-9							2	
MP-10							2	
MP-16							2	
MP-17							2	
Notes:								
54								
Signature:	Rondell C.	Mille						

<sup>&</sup>lt;sup>#</sup> A zero or negative value indicates that the probe is watered in.

Date:	: 12/11/125					Randall Mills				
Instrument					Weather: cloudy, calm					
Calibration Prior to Sampling: Yes					Ambient Air Temperature (°F): 63					
Calibration Gas: CH <sub>4</sub> 15%, CO <sub>2</sub> 15%, O <sub>2</sub> 4%				Barometric Pressure (in Hg):		29.22				
Recalibration:		No			Relative Humidi	70				
							Depth to Top of			
			Ï			Depth to	Screen			
			Gas			Water Level	(feet			
			Pressure			(feet below	below	Open		
			(inches	Initial CH₄ (%	Sustained CH <sub>4</sub>	ground	ground	Screen#		
Probe ID	Start Time	Stop Time	water)	by Volume)	(% by Volume)	surface)	surface)	(feet)		
MP-1							not known			
MP-7E							3	-3.0		
MP-7H							2	-2.0		
MP-8F	14:17	14:18	0.01	0	0	8.65	4	4.6		
MP-9							2	-2.0		
MP-10							2	-2.0		
MP-16							2	-2.0		
MP-17							2	-2.0		
Matan										
Notes:										
	1									
Signature:	Signature: Randell C. Mills									

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

Date:		12/15/125			Sampler:	Randall Mills					
Instrument	ent GEM 5000			_	Weather:	cloudy, light bre	eze				
Calibration Prior to Sampling: Yes				Ambient Air Ten	nperature (°F):		49				
Calibration Gas: CH <sub>4</sub> 15%, CO <sub>2</sub> 15%		2 15%, O <sub>2</sub> 4%		Barometric Pres	ssure (in Hg):		29.79				
Recalibratio	n:	No			Relative Humidi	ity (%):		69			
						• , ,					
				V			Depth to				
l l		1 !	1				Top of	1			
l l		1	1 1	ĺ		Depth to	Screen	1			
	1	1	Gas			Water Level	(feet	ř l			
l l	l	1	Pressure	1		(feet below	below	Open			
	1	1	(inches	Initial CH₄ (%	Sustained CH <sub>4</sub>		ground	Screen#			
Probe ID	Start Time	Stop Time	water)	by Volume)	(% by Volume)		surface)	(feet)			
MP-1							not known				
MP-7E							3	-3.0			
MP-7H							2	-2.0			
MP-8F	12:45	13:46	0	0	0	8.75	4	4.7			
MP-9							2	-2.0			
MP-10							2	-2.0			
MP-16							2	-2.0			
MP-17							2	-2.0			
						12					
Notes:											
Signature:	Signature: Royald Comille										

<sup>&</sup>lt;sup>#</sup> A zero or negative value indicates that the probe is watered in.

Date:		12/18/125				Randall Mills		
Instrument	The state of the s				Weather:	cloudy, windy, snow flurries		
Calibration Prior to Sampling: Yes				Ambient Air Ter		36		
Calibration Gas:		CH <sub>4</sub> 15%, CO	15%, O <sub>2</sub> 4%		Barometric Pressure (in Hg):		29.88	
Recalibration:		No			Relative Humidity (%):		48	
. 1555	2							
							Depth to	
	l l						Top of	
			- 1			Depth to	Screen	
			Gas			Water Level	(feet	_
			Pressure			(feet below	below	Open
			(inches	Initial CH₄ (%	Sustained CH₄	ground	ground	Screen#
Probe ID	Start Time	Stop Time	water)	by Volume)	(% by Volume)	surface)	surface)	(feet)
MP-1							not known	
MP-7E		*				v	3	-3.0
MP-7H							2	-2.0
MP-8F	14:16	14:17	-0.03	0	0	8.82	4	4.8
MP-9							2	-2.0
MP-10							2	-2.0
MP-16							2	-2.0
MP-17							2	-2.0
Notes:								
		3.						
Signature:	Ronadl C.	mille						

<sup>&</sup>lt;sup>#</sup> A zero or negative value indicates that the probe is watered in.