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SCS ENGINEERS

December 15, 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 12, 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 12, 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,

Randall C. Mills, P.G.

Senior Project Professional

SCS ENGINEERS

James J. Walsh, P.E.

Principal

SCS ENGINEERS

cc:

Chuck DeJonckheere, Hamilton County Health Dept.

Nick Schapman, CRA

Candall Cmills

Bill Burkhardt, Mayor, Village of St. Bernard

Enclosures

Compliance Probe Monitoring Form for St. Bernard Landfill

Date: 12/12/2014					Sampler:	Randall Mills			
Instrument GEM 5000					Weather: clear, light breeze				
Calibration Prior to Sampling: Yes					/4	mbient Air Temperature (°F): 44			
Calibration Gas:		CH ₄ 15%, CO ₂ 15%, O ₂ 4%			Barometric Pressure (in Hg):		30.31		
Recalibration:		No				Relative Humidity (%):		58	
						, (,,,,			
			Gas Pressure			Depth to Water Level (feet below	Depth to Top of Screen (feet below	Open	
			(inches	Initial CH ₄ (%	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	14:47	14:48	-0.02	0	0	-	3		
MP-7F*						-	3		
MP-7G*						-	2		
MP-7H*						-	2		
MP-8D	14:36	14:37	0	0	0	-	4		
MP-8E*							4		
MP-8F	14:41	14:42	-0.03	0	0	=	4		
MP-8G*						#	4		
MP-9	14:33	14:34	0.13	0	0	#	2		
MP-10	14:31	14:32	0.01	0	0	=	2		
MP-15*		11.0=	0.40				2 2		
MP-16	14:26	14:27	-0.43	0	0		3		
MP-17*						5	3		
-									
Notes: Next montly round of monitoring of all compliance probe and water level measurements is scheduled for the first full week in January.									
Verified blower is running.									
+									
		-							
* Drobe menitored on mentally ashedule									
* Probe monitored on monthly schedule.									
Signature: Randall C. Mills									

^{*} A zero or negative value indicates that the probe is watered in.