

December 31, 2015

Mr. Ed Rawski, P.E.  
Pennsylvania Department of Environmental Protection  
Bureau of Waste Management  
909 Elmerton Avenue  
Harrisburg, PA 17110-8200

RE: Creswell Landfill; Landfill Gas Monitoring; BWM Permit #10008  
4<sup>th</sup> Quarter 2015 Perimeter %LEL LFG Report

Dear Mr. Rawski:

In accordance with the Municipal Waste Management Regulations (§273.292 – “Gas Control and Monitoring”), the Lancaster County Solid Waste Management Authority (LCSWMA) continues quarterly monitoring of methane gas levels at the perimeter of the above referenced facility.

LCSWMA personnel completed monitoring of sample points along the facility boundary and in adjacent buildings and structures on December 9, 2015. The results of that monitoring are attached. No sampled peripheral locations, structures or landfill gas monitoring probes (sampled 12/28/15) were found to contain methane, while two (2) manholes, internal to the landfill, were found to contain methane.

Please do not hesitate in contacting me at [mreider@lcswma.org](mailto:mreider@lcswma.org), if you have any questions or concerns.

Respectfully Submitted,



Mark D Reider  
Environmental Manager

Attachment

cc: Bob Zorbaugh  
Randy Weiss (PADEP-Lanc.)  
cc/att: Dan Brown  
Jeff Musser  
Bob Eshbach

CRESWELL METHANE MONITORING PROGRAM  
SAMPLE POINT INSPECTION FORM

SAMPLE POINT NUMBER	DESCRIPTION	METHANE LEVEL (as % LEL)			
		DATE 3/18/15	DATE 6/24/15	DATE 9/24/15	DATE 12/9/15
1 to 15	GP WELLS	not included with this monitoring			
16	CONTROL BUILDING LAB	0	0	0	0
17	CONTROL BUILDING COMPRESSOR ROOM	0	0	0	0
18	CONTROL BUILDING LOCKER ROOM	0	0	0	0
19	NTHW PIT	no longer exists			
20	OTHW PIT	0	0	0	0
21	LTS AERATION PIT AT WEATHER STATION #1	0	3	0	0
22	LTS AERATION PIT AT WEATHER STATION #2	0	4	0	0
23	LTS WIRE TRENCH VENTS 1	0	0	0	0
24	LTS WIRE TRENCH VENTS 2	0	0	0	0
25	LTS WIRE TRENCH VENTS 3	no longer exists			
26	PUMP HOUSE	0	0	0	0
27	PUMP HOUSE WET WELL	0	0	0	0
28	MH #1	12	6	2	4
29	MH #2	5	6	0	6
30	INLET; STREAM R PIPE	0	0	0	0
31	OUTLET; STREAM R PIPE	0	0	0	0
32	UPPER END; RAVINE LEACHATE COLLECTION C.O.	no longer exists			
33	SEE MAP	0	0	0	0
34	SEE MAP	0	0	0	0
35	SEE MAP	0	0	0	0
36	SEE MAP	0	0	0	0
37	SEE MAP	0	0	0	0
38	SEE MAP	0	0	0	0
39	SEE MAP	0	0	0	0
40	SEE MAP	0	0	0	0
41	SEE MAP	0	0	0	0
42	SEE MAP	0	0	0	0
43	SEE MAP	0	0	0	0
44	SEE MAP	0	0	0	0
45	SEE MAP	0	0	0	0
46	SEE MAP	0	0	0	0
47	SEE MAP	0	0	0	0
48	SEE MAP	0	0	0	0
49	SEE MAP	0	0	0	0
50	SEE MAP	0	0	0	0
	Atmospheric Pressure (in. Hg)	29.58"	29.51"	29.77"	29.57"
	Air Temperature (Deg. C)	0.8 °C	20.8°C	22.4°C	0.8 °C

Revision Date: June 2011

Revisions: deleted points 62 to 66; added points 81 through 86

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SAMPLE POINT INSPECTION FORM

SAMPLE POINT NUMBER	DESCRIPTION	METHANE LEVEL (as % LEL)			
		DATE 3/18/15	DATE 6/24/15	DATE 9/24/15	DATE 12/9/15
51	LTS DISCHARGE MH #1	0	0	0	0
52	LTS DISCHARGE MH #2	0	0	0	0
53	DRAIN PIPE UNDER RAVINE PHASE II	0	0	5	0
54	OLD SCALE HOUSE PIT	no longer monitored			
55	NEW SCALE HOUSE PIT	0	0	0	0
56	LAGOON LINER BALLOON <sup>1</sup>	NA	NA	NA	NA
57	LEACHATE PIPE LOWER END OF RAVINE	capped; no longer monitored			
58	CWOB092W	0	0	0	0
59	CWOB093A	0	0	0	0
60	CWOB093B (aka CWMP016W)	0	0	0	0
61	CWOB080W (formerly CWMP006W)	0	0	0	0
62	CWGMP002; Gas monitoring probe	abandoned for Soil Borrow Project stockpile			
63	CWGMP04A; Gas monitoring probe				
64	CWGMP04B; Gas monitoring probe				
65	CWGMP06A; Gas monitoring probe				
66	CWGMP06B; Gas monitoring probe				
67	CWGMP08A; Gas monitoring probe	0	0	0	0
68	CWGMP08B; Gas monitoring probe	0	0	0	0
69	CWGMP08C; Gas monitoring probe	0	0	0	0
70	CWGMP10A; Gas monitoring probe	0	0	0	0
71	CWGMP10B; Gas monitoring probe	0	0	0	0
72	CWGMP10C; Gas monitoring probe	0	0	0	0
73	CWO100DW	0	0	0	0
74	CWO100SW	0	0	0	0
75	CWGMP12A; Gas Monitoring Probe	0	0	0	0
76	CWGMP12B; Gas Monitoring Probe	0	0	0	0
77	CWGMP13A; Gas Monitoring Probe	0	0	0	0
78	CWGMP13B; Gas Monitoring Probe	0	0	0	0
79	CWGMP14A; Gas Monitoring Probe	0	0	0	0
80	CWGMP14B; Gas Monitoring Probe	0	0	0	0
81	CWGMP018; Gas Monitoring Probe	0	0	0	0
82	CWGMP019; Gas Monitoring Probe	0	0	0	0
83	CWGMP020; Gas Monitoring Probe	0	0	0	0
84	CWGMP021; Gas Monitoring Probe	0	0	0	0
85	CWGMP022; Gas Monitoring Probe	0	0	0	0
86	CWGMP023; Gas Monitoring Probe	0	0	0	0

<sup>1</sup> Liner was repaired; "NA" indicates point was inspected and balloon has not reoccurred

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