

1299 HARRISBURG PIKE | PO BOX 4425 | LANCASTER, PA 17604 PHONE: 717-397-9968 | FAX: 717-397-9973

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April 16, 2019

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

1st Quarter 2019 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 March 28, 2019. The results of that monitoring are attached. No sampled peripheral locations, structures or landfill gas monitoring probes (sampled 3/28/19).

Please do not hesitate in contacting me at nrogers@lcswma.org, if you have any questions or concerns.

Respectfully Submitted,

Thick Men

Nick Rogers

Environmental Compliance Manager

Attachment

cc: Michelle Marsh

Randy Weiss (PA DEP)

cc/att: Bob Eshbach

Jeff Musser

Jordan Gallagher

Dan Brown

CRESWELL METHANE MONITORING PROGRAM SAMPLE POINT INSPECTION FORM

SAMPLE POINT NUMBER	DESCRIPTION	METHANE LEVEL (as % LEL)				
		DATE	DATE	DATE	DATE	
		3/28/19				
1 to 15	GP WELLS	not included with this monitoring				
16	CONTROL BUILDING LAB	0				
17	CONTROL BUILDING COMPRESSOR ROOM	0				
18	CONTROL BUILDING LOCKER ROOM	0				
19	NTHW PIT	no longer exists				
20	OTHW PIT	0				
21	LTS AERATION PIT AT WEATHER STATION #1	0				
22	LTS AERATION PIT AT WEATHER STATION #2	0		,,		
23	LTS WIRE TRENCH VENTS 1	0				
24	LTS WIRE TRENCH VENTS 2	0				
25	LTS WIRE TRENCH VENTS 3		no longer exists			
26	PUMP HOUSE	0				
27	PUMP HOUSE WET WELL	0				
28	MH #1	0				
29	MH #2	0				
30	INLET; STREAM R PIPE	0				
31	OUTLET; STREAM R PIPE	0				
32	UPPER END; RAVINE LEACHATE COLLECTION C.O.	no longer exists				
33	SEE MAP	0				
34	SEE MAP	0				
35	SEE MAP	0				
36	SEE MAP	0				
37	SEE MAP	0				
38	SEE MAP	0				
39	SEE MAP	0				
40	SEE MAP	0	<u> </u>		, 	
41	SEE MAP	0				
42	SEE MAP	0		,		
43	SEE MAP	0				
44	SEE MAP	0				
45	SEE MAP	0				
46	SEE MAP	0				
47	SEE MAP	0				
48	SEE MAP	0				
49	SEE MAP	0				
50	SEE MAP	0	·			
	Atmospheric Pressure (in. Hg)	29.59"				
	Air Temperature (Deg. C)	9.6°C				

Revision Date: June 2011

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

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CRESWELL METHANE MONITORING PROGRAM SAMPLE POINT INSPECTION FORM

DATE DATE	SAMPLE	DESCRIPTION	N	METHANE LEVEL (as % LEL)				
52			ŀ	DATE	DATE	DATE		
DRAIN PIPE UNDER RAVINE PHASE II 0	51	LTS DISCHARGE MH #1	0					
S4	52	LTS DISCHARGE MH #2	0					
S5	53	DRAIN PIPE UNDER RAVINE PHASE II	0					
56 LAGOON LINER BALLOON 1 NA NA NA NA 57 LEACHATE PIPE LOWER END OF RAVINE capped; no longer monitored 58 CWOB092W 0	54	OLD SCALE HOUSE PIT	no longer monitored					
57 LEACHATE PIPE LOWER END OF RAVINE capped; no longer monitored 58 CWOB092W 0 0 59 CWOB093A 0 0 60 CWOB093B (aka CWMP016W) 0 0 61 CWOB080W (formerly CWMP006W) 0 0 62 CWGMP002; Gas monitoring probe 0 0 63 CWGMP04B; Gas monitoring probe abandoned for Soil Borrow Project stockpile 65 CWGMP04B; Gas monitoring probe 0 0 66 CWGMP08A; Gas monitoring probe 0 0 67 CWGMP08B; Gas monitoring probe 0 0 68 CWGMP08B; Gas monitoring probe 0 0 69 CWGMP10A; Gas monitoring probe 0 0 70 CWGMP10B; Gas monitoring probe 0 0 71 CWGMP10B; Gas monitoring probe 0 0 72 CWGMP10C; Gas monitoring probe 0 0 73 CWO100DW 0 0 74 CWGMP12B; Gas Monitoring Probe <	55	NEW SCALE HOUSE PIT	no longer exists					
58 CWOB092W 0 0 59 CWOB093A 0 0 60 CWOB093B (aka CWMP016W) 0 0 61 CWOB080W (formerly CWMP006W) 0 0 62 CWGMP002; Gas monitoring probe CWGMP04A; Gas monitoring probe 63 CWGMP04B; Gas monitoring probe abandoned for Soil Borrow Project stockpile 65 CWGMP06B; Gas monitoring probe O Abandoned for Soil Borrow Project stockpile 66 CWGMP06B; Gas monitoring probe 0 O 67 CWGMP08B; Gas monitoring probe 0 O 68 CWGMP08B; Gas monitoring probe 0 O 69 CWGMP08C; Gas monitoring probe 0 O 71 CWGMP10B; Gas monitoring probe 0 O 72 CWGMP10B; Gas monitoring probe 0 O 73 CWO100DW 0 O 74 CWO100SW 0 O 75 CWGMP1	56	LAGOON LINER BALLOON 1	NA	NA	NA	NA		
59 CWOB093A 0 0 60 CWOB093B (aka CWMP016W) 0 0 61 CWOB080W (formerly CWMP006W) 0 0 62 CWGMP002; Gas monitoring probe Abandoned for Soil Borrow Project stockpile 63 CWGMP04B; Gas monitoring probe Abandoned for Soil Borrow Project stockpile 65 CWGMP06A; Gas monitoring probe Abandoned for Soil Borrow Project stockpile 66 CWGMP06B; Gas monitoring probe O 67 CWGMP08B; Gas monitoring probe O 68 CWGMP08B; Gas monitoring probe O 69 CWGMP10A; Gas monitoring probe O 71 CWGMP10B; Gas monitoring probe O 72 CWGMP10C; Gas monitoring probe O 73 CWO100DW O 74 CWGMP12A; Gas Monitoring Probe O 75 CWGMP12B; Gas Monitoring Probe O 76 CWGMP13A; Gas Monitoring Probe O	57	LEACHATE PIPE LOWER END OF RAVINE	(capped; no longer monitored				
60	58	CWOB092W	0					
61 CWOB080W (formerly CWMP006W) 62 CWGMP002; Gas monitoring probe 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 68 CWGMP08B; Gas monitoring probe 69 CWGMP08C; Gas monitoring probe 70 CWGMP10A; Gas monitoring probe 71 CWGMP10B; Gas monitoring probe 72 CWGMP10C; Gas monitoring probe 73 CWO100DW 74 CWO100SW 75 CWGMP12A; Gas Monitoring Probe 76 CWGMP12B; Gas Monitoring Probe 77 CWGMP12B; Gas Monitoring Probe 77 CWGMP13A; Gas Monitoring Probe 77 CWGMP13A; Gas Monitoring Probe 78 CWGMP13A; Gas Monitoring Probe 79 CWGMP13A; Gas Monitoring Probe 70 CWGMP13A; Gas Monitoring Probe 71 CWGMP13A; Gas Monitoring Probe	59	CWOB093A	0					
CWGMP002; Gas monitoring probe CWGMP04A; Gas monitoring probe CWGMP04B; Gas monitoring probe CWGMP06A; Gas monitoring probe CWGMP06B; Gas monitoring probe CWGMP08B; Gas monitoring probe CWGMP08B; Gas monitoring probe CWGMP08B; Gas monitoring probe CWGMP08C; Gas monitoring probe CWGMP10A; Gas monitoring probe CWGMP10A; Gas monitoring probe CWGMP10B; Gas monitoring probe CWGMP10B; Gas monitoring probe CWGMP10B; Gas monitoring probe CWGMP10C; Gas monitoring probe CWGMP12A; Gas Monitoring Probe CWGMP12B; Gas Monitoring Probe CWGMP13A; Gas Monitoring Probe	60	CWOB093B (aka CWMP016W)	0					
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79 CWGMP14A; Gas Monitoring Probe 0	79		0		,			
80 CWGMP14B; Gas Monitoring Probe 0	80	CWGMP14B; Gas Monitoring Probe	0					
81 CWGMP018; Gas Monitoring Probe 0	81	CWGMP018; Gas Monitoring Probe						
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84 CWGMP021; Gas Monitoring Probe 0	84	CWGMP021; Gas Monitoring Probe						
85 CWGMP022; Gas Monitoring Probe 0	85		0					
86 CWGMP023; Gas Monitoring Probe 0	86							

¹ Liner was repaired; "NA" indicates point was inspected and balloon has not reoccurred

Revision Date: June 2011

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

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