

Bethel-Danebo Closed Landfill Progress Report

For November 2019

Actions during this month:

- Regular sampling.
- Blower has run continually without issue since June the 25th 2015.
- The blower vacuum was at 8.7. Soils are saturated and grass is growing again.
- The lot 26 foundation gas membrane was being installed on my last site visit. I took some time to observe the installation. It had rained very hard the night before and crews were removing water with brooms and drying the seams before they could be taped. They were scheduled for smoke testing of the membrane's seal the next day. All must have gone well as the concrete slab has been poured. Two pictures of the membrane are attached to the report.

Actions scheduled to be taken within the next two months:

- Continue sampling schedule.
- Continue to monitor construction activity on lot 26

Problems experienced during the month:

- Probe # 006 had a high reading for methane (48.1%0. H2s was also present (103ppm). The three surrounding probes had zero readings for methane, including #009 which is located on the landfill side of the trench. I find it unusual for such a high reading.

Readings for November 2019

Device ID	Date/Time	CH4	CO2	O2	Balanc e	%LEL
GEM™5000; G5 V1_14_12; LSGAM:6_0_20160627; {27085492854}		%	%	%	%	%

Probe007	11/25/2019 14:07	0	4.1	12.8	83.1	0
Probe008	11/25/2019 14:10	0	0.3	19.4	80.3	0
Probe006	11/25/2019 14:15	48.1	16.2	3	32.7	>>>>
Probe009	11/25/2019 14:19	0	1	18.6	80.4	0
Probe005	11/25/2019 14:22	0	2.2	18	79.8	0
Probe004	11/25/2019 14:26	14.3	27.2	0.4	58.1	>>>>
BLOWEXAU	11/25/2019 14:29	0.6	1.1	19	79.3	12
Probe003	11/25/2019 14:33	0	15.2	9	75.8	0
Probe002	11/25/2019 14:37	0	3.2	17.5	79.3	0
Probe001	11/25/2019 14:41	0.1	9.6	9.3	81	2
Probe001	11/25/2019 15:11	0.1	8.4	12.4	79.1	2
Probe010	11/25/2019 15:15	0	13.6	9.1	77.3	0

Don Strunk
 Supervisor/Engineering Analyst
 Lane County Waste Management Division





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Probe009	11/25/2019 14:19	0	1	18.6	80.4	0
Probe005	11/25/2019 14:22	0	2.2	18	79.8	0
Probe004	11/25/2019 14:26	14.3	27.2	0.4	58.1	>>>>
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Probe010	11/25/2019 15:15	0	13.6	9.1	77.3	0

Adj. Power	Baro. Press.	Sys. Press.	Gas Pod Type	Gas Pod Value	CO	H2S	SO2	NO2
e3BTU/h	inches Hg	inches H2O			ppm	ppm		
N/A	29.77	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.77	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.77	N/A	N/A	N/A	0	103	N/A	N/A
N/A	29.77	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.77	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.77	N/A	N/A	N/A	1	1	N/A	N/A
N/A	29.77	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.77	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.76	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.76	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.77	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.76	N/A	N/A	N/A	0	0	N/A	N/A

CL2	H2	HCN	Inst-Tech	Latitude	Longitude	Altitude	UTC	SatsUsed
	LMH					ft		
N/A	4	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	4	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	12	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	9	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	12	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	14	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	11	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	10	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	8	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	11	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	2	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	6	N/A	N/A_	N/A	N/A	N/A	N/A	N/A

