

Bethel-Danebo Closed Landfill Progress Report

For July 2020

Actions during this month:

- Regular sampling.
- Blower has run continually without issue since June the 25th 2015.
- The blower vacuum was at 7.4 Soils have dried and begun to crack.
- I have begun training a new person to take the gas samples at Bethel/Danebo. (Hailey Natho) I will continue to do the monthly reports and oversee the site.
- **Actions scheduled to be taken within the next two months:**
- Continue sampling schedule.

Problems experienced during the month:

The Gem 5000 was sent in for service the first week in June just after the June gas sampling. The service center is located in Michigan about 60 miles from Flint. The meter was lost in the postal service and presumed a casualty of the riots until it was located a couple weeks ago and delivered to the service center as we were buying a replacement. We received the meter back July 30th. Gas sampling was done on the following Monday.

Gas Readings for July 2020 completed August 3rd

Device ID	Date/Time	CH4	CO2	O2	Balanc e	%LEL
GEM™5000; G5 V1_15_12; LSGAM:6_0_20160627; {448066619}		%	%	%	%	%
BLOWEXAU	8/3/2020 14:28	0.1	0.1	20.1	79.7	2
Probe001	8/3/2020 14:35	0.2	10.6	8.3	80.9	4
Probe002	8/3/2020 14:39	0	1.9	18.2	79.9	0
Probe010	8/3/2020 14:42	0	5.4	16.2	78.4	0
Probe003	8/3/2020 14:46	0	12.4	7.8	79.8	0
Probe003	8/3/2020 14:49	0	11.1	15.1	73.8	0
Probe004	8/3/2020 14:52	20.4	30.3	0.1	49.2	408
Probe005	8/3/2020 14:56	0	2.2	17.4	80.4	0
Probe006	8/3/2020 15:00	23.1	13.2	3.9	59.8	462
Probe007	8/3/2020 15:04	0	7.1	11.6	81.3	0
Probe008	8/3/2020 15:08	0	4.1	16.1	79.8	0

Probe009	8/3/2020 15:18	3.6	7.1	4.6	84.7	72
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Don Strunk
Supervisor/Engineering Analyst
Lane County Waste Management Division

Device ID	Date/Time	CH4	CO2	O2	Balance	%LEL	Init. Static Press.
GEM™5000; G5 V1_15_12; LSGAM:6_0_201 60627; {448066619}		%	%	%	%	%	inches H2O
BLOWEXAU	8/3/2020 14:28	0.1	0.1	20.1	79.7	2	N/A
Probe001	8/3/2020 14:35	0.2	10.6	8.3	80.9	4	N/A
Probe002	8/3/2020 14:39	0	1.9	18.2	79.9	0	N/A
Probe010	8/3/2020 14:42	0	5.4	16.2	78.4	0	N/A
Probe003	8/3/2020 14:46	0	12.4	7.8	79.8	0	N/A
Probe003	8/3/2020 14:49	0	11.1	15.1	73.8	0	N/A
Probe004	8/3/2020 14:52	20.4	30.3	0.1	49.2	408	N/A
Probe005	8/3/2020 14:56	0	2.2	17.4	80.4	0	N/A
Probe006	8/3/2020 15:00	23.1	13.2	3.9	59.8	462	N/A
Probe007	8/3/2020 15:04	0	7.1	11.6	81.3	0	N/A
Probe008	8/3/2020 15:08	0	4.1	16.1	79.8	0	N/A
Probe009	8/3/2020 15:18	3.6	7.1	4.6	84.7	72	N/A

Baro. Press.	Sys. Press.	Gas Pod Type	Gas Pod Value	CO	H2S	SO2	NO2	CL2
inches Hg	inches H2O							
29.71	N/A	N/A	N/A	1	0	N/A	N/A	N/A
29.71	N/A	N/A	N/A	1	0	N/A	N/A	N/A
29.72	N/A	N/A	N/A	1	0	N/A	N/A	N/A
29.72	N/A	N/A	N/A	0	0	N/A	N/A	N/A
29.73	N/A	N/A	N/A	1	0	N/A	N/A	N/A
29.73	N/A	N/A	N/A	0	0	N/A	N/A	N/A
29.73	N/A	N/A	N/A	1	30	N/A	N/A	N/A
29.73	N/A	N/A	N/A	0	0	N/A	N/A	N/A
29.73	N/A	N/A	N/A	0	12	N/A	N/A	N/A
29.73	N/A	N/A	N/A	0	0	N/A	N/A	N/A
29.74	N/A	N/A	N/A	0	0	N/A	N/A	N/A
29.74	N/A	N/A	N/A	0	0	N/A	N/A	N/A

H2	HCN	Inst-Tech	Latitude	Longitude	Altitude	UTC	SatsUsed	Herror
					ft			m
0	N/A	N/A_	N/A	N/A	N/A	N/A	N/A	N/A
0	N/A	N/A_	N/A	N/A	N/A	N/A	N/A	N/A
0	N/A	N/A_	N/A	N/A	N/A	N/A	N/A	N/A
0	N/A	N/A_	N/A	N/A	N/A	N/A	N/A	N/A
7	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
23	N/A	N/A_	N/A	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A_	N/A	N/A	N/A	N/A	N/A	N/A
26	N/A	N/A_	N/A	N/A	N/A	N/A	N/A	N/A
30	N/A	N/A_	N/A	N/A	N/A	N/A	N/A	N/A
32	N/A	N/A_	N/A	N/A	N/A	N/A	N/A	N/A
60	N/A	N/A_	N/A	N/A	N/A	N/A	N/A	N/A

WIND-DIRECTION	Anemometer Vel.	PeakCH4	PeakCO2	Anemometer Flow	MinO2	Temp. GA Mode	Rel. Press.	Site Chosen
	m/s	%	%	SCFM	%	DegF	inches H2O	
NW	N/A	N/A	N/A	N/A	N/A	N/A	1.5	,,,,,,
NW	N/A	N/A	N/A	N/A	N/A	N/A	0.06	,,,,,,
NW	N/A	N/A	N/A	N/A	N/A	N/A	0.09	,,,,,,
NW	N/A	N/A	N/A	N/A	N/A	N/A	0.07	,,,,,,
NW	N/A	N/A	N/A	N/A	N/A	N/A	0.06	,,,,,,
NW	N/A	N/A	N/A	N/A	N/A	N/A	0.08	,,,,,,
NW	N/A	N/A	N/A	N/A	N/A	N/A	0.08	,,,,,,
NW	N/A	N/A	N/A	N/A	N/A	N/A	0.01	,,,,,,
NW	N/A	N/A	N/A	N/A	N/A	N/A	0.12	,,,,,,
NW	N/A	N/A	N/A	N/A	N/A	N/A	0.13	,,,,,,
NW	N/A	N/A	N/A	N/A	N/A	N/A	0.09	,,,,,,
NW	N/A	N/A	N/A	N/A	N/A	N/A	0.14	,,,,,,

