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**Bethel/Danebo**

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**From** STRUNK Donald L <Donald.Strunk@co.lane.or.us>

**Date** Fri 6/10/2016 12:58 PM

**To** READ Norm <read.norm@deq.state.or.us>

**Cc** eric@tuppanconsultants.com <eric@tuppanconsultants.com>; Jason Mackenzie (Jmackenzie@energyneeringsolutions.com) <Jmackenzie@energyneeringsolutions.com>

 2 attachments (26 KB)

BDmay2016.docx; BDMay2016.csv;

Hello Norm,

Please find attached the Bethel/Danebo monthly report. Note that I had a reading on the northern portion of the trench where I haven't typically had a reading.

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Waste Management Division  
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# Bethel-Danebo Closed Landfill Progress Report

## For May 2016

### Actions during this month:

- Gas sampling at trench probes.
- Blower has run continually without issue since June the 25<sup>th</sup>.
- The blower vacuum has dropped to 7.4. The soils have dried and have small cracking although it has begun to rain again.
  
- **Actions scheduled to be taken within the next two months:**
  
- Continue sampling schedule. Extra round of sampling of the probes in the northern area of the trench.

### Problems experienced during the month:

Probe 08, the northern most probes on the east side of the trench had a fairly steady reading in the 12 percent range CH4 this month. For the past two months this probe has had a CH4 reading but it quickly cleared when the probe was purged. Based on the high CH4 readings I am getting on the probes to the north (LC14-GP04) in the old log pond area I believe the trench vacuum could be encouraging migration toward the south. I will plan to do some extra sampling in this area.

Device ID	Date/Time	CH4	CO2	O2	Balance	%LEL
GEM™5000; G5 V1_11_16; LSGAM:6_0_20160513; {33235606063}		%	%	%	%	%
Probe001	5/31/2016 14:17	0	11.5	9.3	79.2	0
probe002	5/31/2016 14:22	1.1	6.3	13.6	79	22
Probe003	5/31/2016 14:25	0.1	14.3	6.7	78.9	2
Probe004	5/31/2016 14:29	26.8	31.6	0	41.6	>>>>
Probe005	5/31/2016 14:33	0	2.7	17.6	79.7	0
Probe006	5/31/2016 14:37	1.6	10.2	9.3	78.9	32
Probe007	5/31/2016 14:41	0	4.5	14.1	81.4	0
Probe008	5/31/2016 14:45	12.7	12.4	7.3	67.6	>>>>
Probe009	5/31/2016 14:54	0.2	1.8	16.8	81.2	4
Probe010	5/31/2016 14:59	0	11.5	7.5	81	0

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Supervisor/Technical Specialist

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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	29.57	N/A	N/A	N/A	1	0	N/A	N/A
N/A	29.57	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.57	N/A	N/A	N/A	1	0	N/A	N/A
N/A	29.57	N/A	N/A	N/A	1	0	N/A	N/A
N/A	29.57	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.58	N/A	N/A	N/A	0	2	N/A	N/A
N/A	29.57	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.57	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.57	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.57	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	2	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	5	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	14	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	21	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	35	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	28	N/A	N/A_	N/A	N/A	N/A	N/A	N/A





