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## Bethel-Danebo Monthly

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

**Date** Tue 12/9/2014 4:34 PM

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

**Cc** HURLEY Daniel M <Daniel.HURLEY@co.lane.or.us>; Eric J. Tuppan <ejtuppan@easystreet.net>; Jason Mackenzie (Jmackenzie@energyneeringsolutions.com) <Jmackenzie@energyneeringsolutions.com>

 2 attachments (26 KB)

November Report.docx; November2014.csv;

Hello Norm,

Attached is the monthly report for Bethel-Danebo. Landtec was able to dig out a USB driver that I was able to download. This at least allowed me to be able to upload results to excel. I am still shopping for a new monitor, thanks all for the suggestions. This last month was a busy one at the old landfill.

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# Bethel-Danebo Closed Landfill Progress Report

## For November 2014

### Actions during this month:

- Gas sampling of the 10 monitoring probes, two adjacent buildings and the well located on lot 29.
- Energyneering Solutions submitted an acceptable bid for the custom blower skid.
- Permission was obtained from all property owners where the new gas probes are to be placed.
- Utility locates for the gas probes were called in and are to be located by December 11th .
- Cascade submitted a quote for probe installation that was accepted. Installation is currently scheduled for January 7<sup>th</sup>.
- Mowing and weed eating of the trench and gas probe area was completed. Control of brush and cover in the area is essential to limit vandalism and illegal camping.
  
- **Actions scheduled to be taken within the next two months:**
- Installation of 10 additional gas probes.
- Now that a blower skid design is in hand permitting and electrical installation can begin for the skid placement.
- Purchase of a new landfill gas monitor.
- Field PH testing of onsite ground water level wells and gas probes where samples can be obtained.

### Problems experienced during the month:

- Proposed gas probes P-1, P-3 and P-5 had to be located north of the adjacent railroad tracks onto E.W.E.B. property in order to be placed beyond the wood waste cover and outside of railroad property lines.

### Monitoring Results:

Device ID	Date/Time	CH4	CO2	O2	Balance	%LEL
GEM™2NAV; Version 3_12L,18/06/10; LSGAM:6_0_20140818; {53409638744}						
		%	%	%	%	%
PROBE001	11/26/2014 14:34	1.1	3.5	16.3	79.1	22
PROBE002	11/26/2014 14:36	47.3	34	0.1	18.6	946
PROBE003	11/26/2014 14:39	0.1	3.7	16.7	79.5	2
PROBE004	11/26/2014 14:42	18.6	26.5	0.4	54.5	372

PROBE005	11/26/2014 14:46	0	4.4	14.4	81.2	0
LP07VPL7	11/26/2014 14:49	0	0.4	19.8	79.8	0
PROBE006	11/26/2014 14:52	52.4	11.1	0.3	36.2	1048
PROBE007	11/26/2014 14:54	0.1	0.1	19.9	79.9	2
PROBE008	11/26/2014 14:57	0	3.7	14.5	81.8	0
PROBE009	11/26/2014 15:01	50	18	3	29	1000
PROBE010	11/26/2014 15:05	0.1	1.6	19.1	79.2	2
well0290	11/26/2014 15:09	1.7	1	19.9	77.4	34

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Device ID	Date/Time	CH4	CO2	O2
GEM™2NAV; Version 3_12L,18/06/10; LSGAM:6_0_20140818; {53409638744}		%	%	%
PROBE001	11/26/2014 14:34	1.1	3.5	16.3
PROBE002	11/26/2014 14:36	47.3	34	0.1
PROBE003	11/26/2014 14:39	0.1	3.7	16.7
PROBE004	11/26/2014 14:42	18.6	26.5	0.4
PROBE005	11/26/2014 14:46	0	4.4	14.4
LP07VPL7	11/26/2014 14:49	0	0.4	19.8
PROBE006	11/26/2014 14:52	52.4	11.1	0.3
PROBE007	11/26/2014 14:54	0.1	0.1	19.9
PROBE008	11/26/2014 14:57	0	3.7	14.5
PROBE009	11/26/2014 15:01	50	18	3
PROBE010	11/26/2014 15:05	0.1	1.6	19.1
well0290	11/26/2014 15:09	1.7	1	19.9



Adj. Flow	Init. Power	Adj. Power	Baro. Press.	Sys. Press.	Gas Pod Type	Gas Pod Value	CO	H2S
SCFM	e3BTU/h	e3BTU/h	inches Hg	inches H2O	type	ppm	ppm	ppm
N/A	N/A	N/A	29.66	N/A	N/A	N/A	0	0
N/A	N/A	N/A	29.66	N/A	N/A	N/A	0	21
N/A	N/A	N/A	29.65	N/A	N/A	N/A	0	0
N/A	N/A	N/A	29.65	N/A	N/A	N/A	0	32
N/A	N/A	N/A	29.64	N/A	N/A	N/A	0	0
N/A	N/A	N/A	29.64	N/A	N/A	N/A	0	0
N/A	N/A	N/A	29.63	N/A	N/A	N/A	0	142
N/A	N/A	N/A	29.64	N/A	N/A	N/A	0	0
N/A	N/A	N/A	29.64	N/A	N/A	N/A	0	0
N/A	N/A	N/A	29.63	N/A	N/A	N/A	0	34
N/A	N/A	N/A	29.63	N/A	N/A	N/A	0	0
N/A	N/A	N/A	29.63	N/A	N/A	N/A	0	0







Temp. GA Mode	Rel. Press.	Site Chosen	Comment s	Answers	Site Answers
DegF	inches H2O				
N/A	0.03	,,,,,,,,	,,,,,,,,	,,	,,,
N/A	0.02	,,,,,,,,	,,,,,,,,	,,	,,,
N/A	0	,,,,,,,,	,,,,,,,,	,,	,,,
N/A	-6.78	,,,,,,,,	,,,,,,,,	,,	,,,
N/A	0.01	,,,,,,,,	,,,,,,,,	,,	,,,
N/A	0.02	,,,,,,,,	,,,,,,,,	,,	,,,
N/A	-4.19	,,,,,,,,	,,,,,,,,	,,	,,,
N/A	-9.9	,,,,,,,,	,,,,,,,,	,,	,,,
N/A	-10.26	,,,,,,,,	,,,,,,,,	,,	,,,
N/A	0.04	,,,,,,,,	,,,,,,,,	,,	,,,
N/A	-6.36	,,,,,,,,	,,,,,,,,	,,	,,,
N/A	0	,,,,,,,,	,,,,,,,,	,,	,,,