Outlook

Bethel-Danebo DEQ monthly

From STRUNK Donald L <Donald.Strunk@co.lane.or.us>
Date Thu 5/7/2015 5:08 PM
To READ Norm <read.norm@deq.state.or.us>
Cc Eric J. Tuppan <ejtuppan@easystreet.net>; 'Jeff Friesen' <jfriesen@energyneeringsolutions.com>; Jason Mackenzie (Jmackenzie@energyneeringsolutions.com) <Jmackenzie@energyneeringsolutions.com>; William Song (wsong@energyneeringsolutions.com) <wsong@energyneeringsolutions.com>; HURLEY Daniel M <Daniel.HURLEY@co.lane.or.us>

2 attachments (52 KB)
BDmonthlyApril.docx; April2015.csv;

Norm,
Please find attached the monthly report and monitoring results. I anticipate the blower skid hardware to be onsite the end of next week.
Let me know if you need any additional information.
Thanks.

Don Strunk
Supervisor/Technical Specialist
Lane County Department of Public Works
Waste Management Division
3100 E. 17th Ave.
Eugene, Oregon 97403

Bethel-Danebo Closed Landfill Progress Report

For April 2015

Actions during this month:

- Gas sampling at trench probes.
- Gas sampling at buildings, manholes and electrical vaults.
- Electrical permitting efforts with the City of Eugene and E.W.E.B. are completed.
- The power pole for the blower skid is placed.
- Most of the new gas probes were able to be monitored this round.

• Actions scheduled to be taken within the next two months:

- De-watering of old Lane Plywood gas probes.
- Sampling of additional gas monitoring locations that had been flooded.
- Delivery and setup of the blower skid.

Problems experienced during the month:

- Several of the older gas probes were flooded to the ground surface and were not able to be tested. 3 c
  the new probes were saturated and caused a pump failure do to vacuum pressures but did not produc
  liquids.

• Monitoring Results:

Device ID	Date/Time	CH4	CO2	O2	Balance	%LEL	
GEM™5000; G5 V1_11_16; LSGAM:6_0_20140529; {224173150731}		%	%	%	%	%	
Probe001	4/28/2015 9:34	0	11.2	11.3	77.5		0
probe002	4/28/2015 9:39	50.1	25.9	0	24	>>>>	
Probe003	4/28/2015 9:42	43.8	19.1	0.3	36.8	>>>>	
LP06VPL6	4/28/2015 9:54	0.1	0.3	19.7	79.9		2
Probe004	4/28/2015 9:58	16.8	21	0	62.2	>>>>	
Probe005	4/28/2015 10:03	0	6.1	15.3	78.6		0

Device ID	Date/Time	CH4	CO2	O2	Balance	%LEL	
GEM™5000; G5 V1_11_16; LSGAM:6_0_20140529; {224173150731}		%	%	%	%	%	
Probe001	4/28/2015 9:34	0	11.2	11.3	77.5		0
probe002	4/28/2015 9:39	50.1	25.9	0	24	>>>>	
Probe003	4/28/2015 9:42	43.8	19.1	0.3	36.8	>>>>	
LP06VPL6	4/28/2015 9:54	0.1	0.3	19.7	79.9		2
Probe004	4/28/2015 9:58	16.8	21	0	62.2	>>>>	
Probe005	4/28/2015 10:03	0	6.1	15.3	78.6		0
Probe006	4/28/2015 10:09	8.8	9.4	5.7	76.1	>>>>	
LP07VPL7	4/28/2015 10:14	0	0.4	19.7	79.9		0
Probe007	4/28/2015 10:17	0	3.5	15.7	80.8		0
Probe008	4/28/2015 10:21	0.6	10.5	10.3	78.6		12
LP08VPL8	4/28/2015 10:27	0	1.2	18.9	79.9		0
LC14-GP6	4/28/2015 10:33	0	4.6	15.1	80.3		0
Probe009	4/28/2015 10:39	74.7	24.5	0	0.8	>>>>	
Probe010	4/28/2015 10:44	29.6	12.5	0.2	57.7	>>>>	
LP25GP26	4/28/2015 10:48	46.4	23.9	0	29.7	>>>>	
LP00EV47	4/28/2015 10:57	0	0.3	20.2	79.5		0
LP00SD10	4/28/2015 10:59	0	0.1	20.4	79.5		0
LP00SD12	4/28/2015 11:03	0	0.1	20.5	79.4		0
LP00EV45	4/28/2015 11:06	0	0.1	20.4	79.5		0
LP00EV43	4/28/2015 11:10	0	0.1	20.4	79.5		0
LP29MW5	4/28/2015 11:18	45.5	26.6	6.8	21.1	>>>>	
LC14-GP9	4/28/2015 11:21	0.5	19.8	0	79.7		10
LC14GP10	4/28/2015 11:27	68	23	0	9	>>>>	
LP00EV41	4/28/2015 11:33	0	0.2	20	79.8		0
LC14-GP2	4/28/2015 11:43	13.9	25.5	0.1	60.5	>>>>	
LP00SD03	4/28/2015 11:48	0	0.1	20.1	79.8		0
LP00EV39	4/28/2015 11:51	0	0.1	20.2	79.7		0
LC14-GP4	4/28/2015 11:56	73.1	21.6	0.1	5.2	>>>>	
LP00EV37	4/28/2015 12:01	0	0.1	20	79.9		0
LP00SD05	4/28/2015 12:04	0	0.1	20	79.9		0

LC14-GP1	4/28/2015 12:17	0	10.6	7.6	81.8	0
LC14-GP3	4/28/2015 12:22	0	0.1	19.7	80.2	0
LC14-GP5	4/28/2015 12:27	0	0.6	19.5	79.9	0

Init. Static Press.	Adj. Static Press.	Init. Diff. Press.	Adj. Diff. Press.	Init. Gas Temp.	Adj. Gas Temp.	Init. Flow	Adj. Flow	Init. Power
inches H2O	inches H2O	inches H2O	inches H2O	DegF	DegF	SCFM	SCFM	BTU
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-0.02	-0.02	0.009	0.009	68	0	0	0	0
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Adj. Power	Baro. Press.	Sys. Press.	Gas Pod Type	Gas Pod Value	CO	H2S	SO2	NO2
BTU	inches Hg	inches H2O			ppm	ppm		
N/A	29.67	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.67	N/A	N/A	N/A	0	9	N/A	N/A
N/A	29.67	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.68	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.67	N/A	N/A	N/A	0	52	N/A	N/A
N/A	29.67	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.65	N/A	N/A	N/A	0	3	N/A	N/A
N/A	29.68	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.68	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.69	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.69	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.7	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.7	N/A	N/A	N/A	0	57	N/A	N/A
N/A	29.69	N/A	N/A	N/A	0	4	N/A	N/A
N/A	29.7	N/A	N/A	N/A	0	2	N/A	N/A
N/A	29.68	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.69	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.69	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.69	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.69	N/A	N/A	N/A	0	0	N/A	N/A
0	29.7	0.01	N/A	N/A	0	5	N/A	N/A
N/A	29.71	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.7	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.7	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.72	N/A	N/A	N/A	1	7	N/A	N/A
N/A	29.7	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.7	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.71	N/A	N/A	N/A	1	7	N/A	N/A
N/A	29.71	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.71	N/A	N/A	N/A	0	0	N/A	N/A

N/A	29.72	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.71	N/A	N/A	N/A	0	0	N/A	N/A
N/A	29.72	N/A	N/A	N/A	0	1	N/A	N/A

CL2	H2	HCN	Inst-Tech	Latitude	Longitude	Altitude	UTC	SatsUsed
	LMH					ft		
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A

N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A
N/A	LOW	N/A	N/A_	N/A	N/A	N/A	N/A	N/A

Herror	Verror	HDOP	Status	FLD-Tech	DL-Tech	Serial Number	Ambient-Temp	Precipitation
m	m							
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0

N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0
N/A	N/A	N/A	N/A	Don S.	Don S.	G502535	68	0

Wind-Speed	Wind-Direction	Anemometer Vel.	PeakCH4	PeakCO2	Anemometer Flow	MinO2	Temp. GA Mode	Rel. Press.
		m/s	%	%	m3/hr	%	DegF	inches H2O
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.02
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.02
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.04
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.05
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	-0.02
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.01
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.01
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.02
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	-0.01
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.01
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.02
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.04
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.03
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.02
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	-0.01
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.01
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.01
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	-0.02
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.02
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.02
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.08
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.04
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.03
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.04
	4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.05

4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.08
4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.06
4 W	N/A	N/A	N/A	N/A	N/A	N/A	0.05

Site Chosen	Comments	Answers	Site Answers
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,
,,,,,,,	,,,,,,,	,,	,,,,

,,,,,,, ,,,,,,, ,, ,,,,

,,,,,,, ,,,,,,, ,, ,,,,

,,,,,,, ,,,,,,, ,, ,,,,