

Former Fort Ord Operable Unit 2 Landfills Data and Status

HTW BCT, June 13, 2018

May 2018 Key Events for OU2 Landfills

- May 8: new purge blower installed on thermal treatment unit (TTU).

June 2018 Key Events for OU2 Landfills

- June 4 – 8: vegetation management.
- June 18 – 22: 2nd quarter (annual) landfill gas monitoring event and TTU source testing.



Barn owl in nest box

Raptor Watch

Ahtna



Red-tailed hawk launching from raptor perch

**Thermal Treatment Unit
Operation Summary
2006 - 2018**

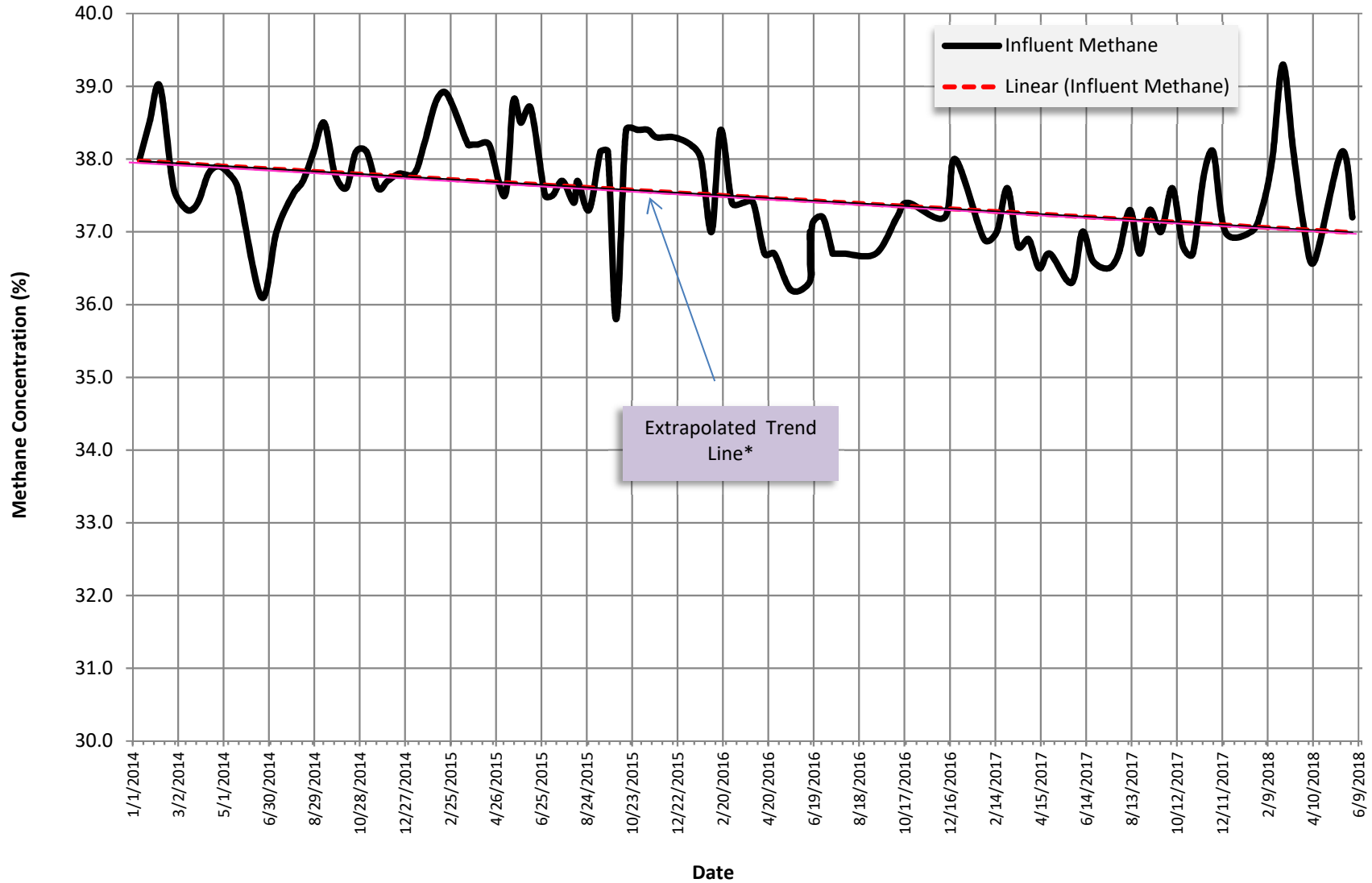
TREATMENT SYSTEM OPERATION SUMMARY	
Treatment System Start Date:	6/4/2001
TTU Start Date:	4/4/2006
Last Reading Date/Time:	6/1/2018 17:11
Historical through 2017 (TTU only):	
Total TTU Hours:	102,912
Total TTU Hours Operated:	32,773
% TTU Operation:	31.8%
Total Pounds of Methane Removed:	3,423,425
Current Year 2018:	
Total Hours:	3,768
Total Hours Operated:	663
% TTU Operation:	18%
Total Pounds of Methane Removed:	58,871
Cumulative (since TTU startup in 2006):	
% TTU Operation:	31.3%
Total Pounds of Methane Removed:	3,482,296

Year	Operating Hours	Change from Previous Year	Methane			OU2 Groundwater COCs	
			Pounds Removed	Change from Previous Year	Pounds/week	Pounds Removed	Change from Previous Year
2007	4,035		532,130		10,205	6.2	
2008	2,838	-30%	288,458	-46%	5,532	3.1	-51%
2009	4,493	58%	448,154	55%	8,595	3.4	11%
2010	2,421	-46%	212,681	-53%	4,079	1.4	-60%
2011	2,543	5%	228,082	7%	4,374	1.4	0%
2012	2,509	-1%	229,397	1%	4,399	1.2	-13%
2013	2,116	-16%	187,779	-18%	3,601	1.1	-8%
2014	1,961	-7%	174,427	-7%	3,345	1.0	-11%
2015	2,653	35%	237,571	36%	4,556	1.3	29%
2016	2,039	-23%	178,645	-25%	3,426	0.9	-28%
2017	1,554	-24%	194,582	9%	3,732	0.6	-52%
2018	663		58,871		1,129	0.6	-33%

**Thermal Treatment Unit
Operation Summary
2006 - 2018**

EXTRACTION SYSTEM (2018)						
Location	Last Instantaneous Methane Reading (%)	Last Instantaneous Flow Rate Reading (scfm)	Current Methane Removal Rate (lbs/day)	2018 % Operation	2018 Methane Removed (Lbs)	% Contribution of Each Extraction Source
Area E						
EP-36	37.1	25	547	18%	12,304	20%
Area F						
EW-31	31.5	1.0	18.6	16%	2,108	3%
EW-32	36.5	22.0	473.6	16%	10,603	17%
EW-33	37.1	16.0	350.1	16%	9,255	15%
EW-34	37.0	32.0	698.4	16%	17,294	28%
VF-3	41.3	6.0	146.2	18%	3,811	6%
VF-4	48.4	6.0	171.3	18%	3,650	7%
VF-5	46.8	3.0	82.8	18%	1,177	2%
Area D						
VD-2	40.0	1	24	18%	1,018	2%
VD-3	35.8	3.0	63.3	18%	788	1%
MIXED						
MIXED	37.2	96.0	2106.4	18%	52,400	100%

Methane Concentration Time Series Plot
OU2 Landfill Extraction Sources
01/01/2014 to present

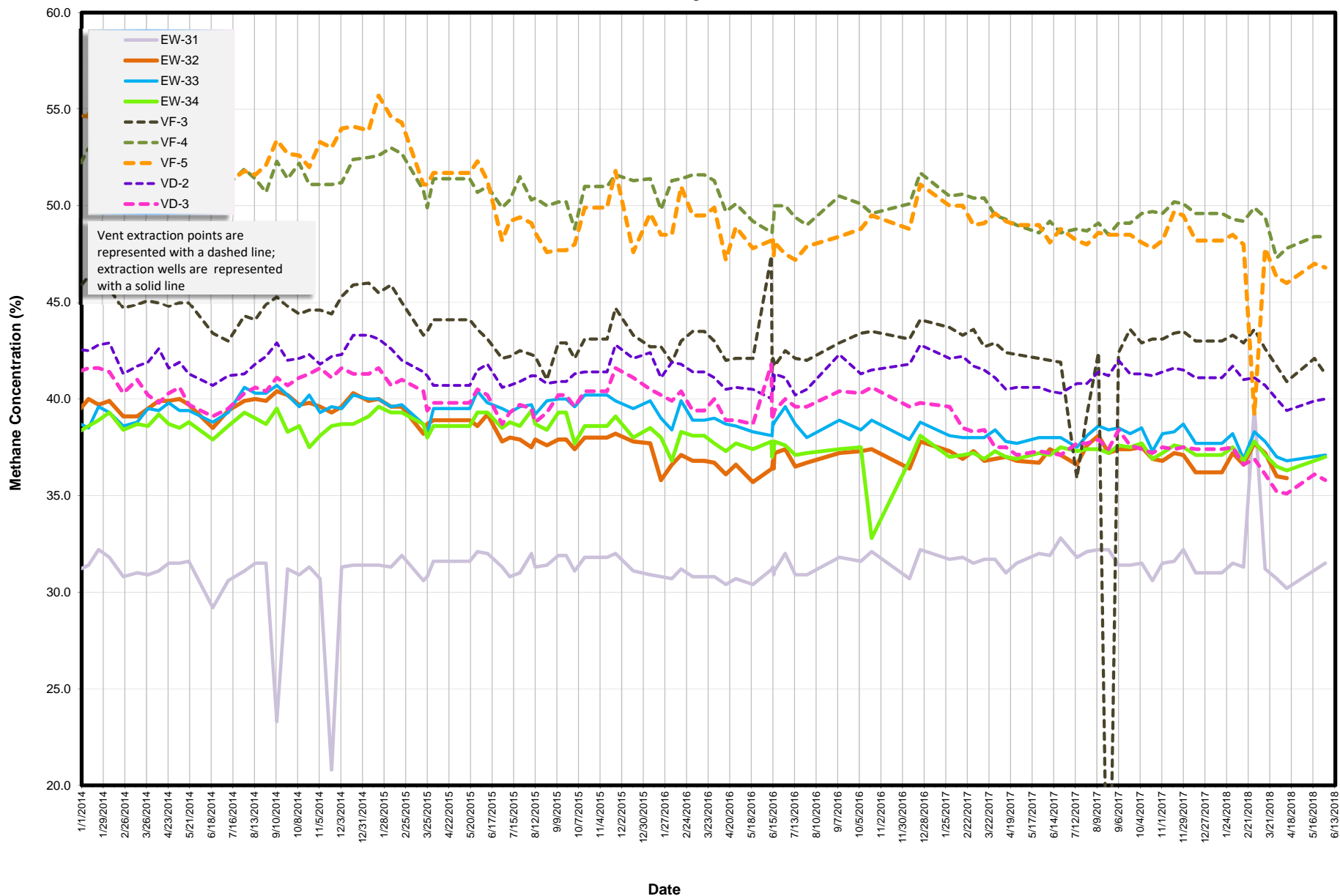


* Trend line generated from all data 1/1/14 to present

Methane Concentration vs. Time

OU2 Landfill Extraction Sources

1/1/2011 to present



Methane Concentration Time Series Plot
OU2 Landfill Extraction Legs
1/1/2014 to present

