

Former Fort Ord Operable Unit 2 Landfills Data and Status

HTW BCT, September 12, 2018

August 2018 Key Events for OU2 Landfills

- Installation of additional raptor perches on Areas B, D, and E.

September 2018 Key Events for OU2 Landfills

- TTU operations.
- Quarterly perimeter probe monitoring
- Installation of more raptor perches
- MCHD Landfill inspection 9/17



Red-tailed hawk with squirrel in talons at OU2 Landfill

Raptor Watch

Ahtna



Red-tailed hawk launching from newly installed raptor perch

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

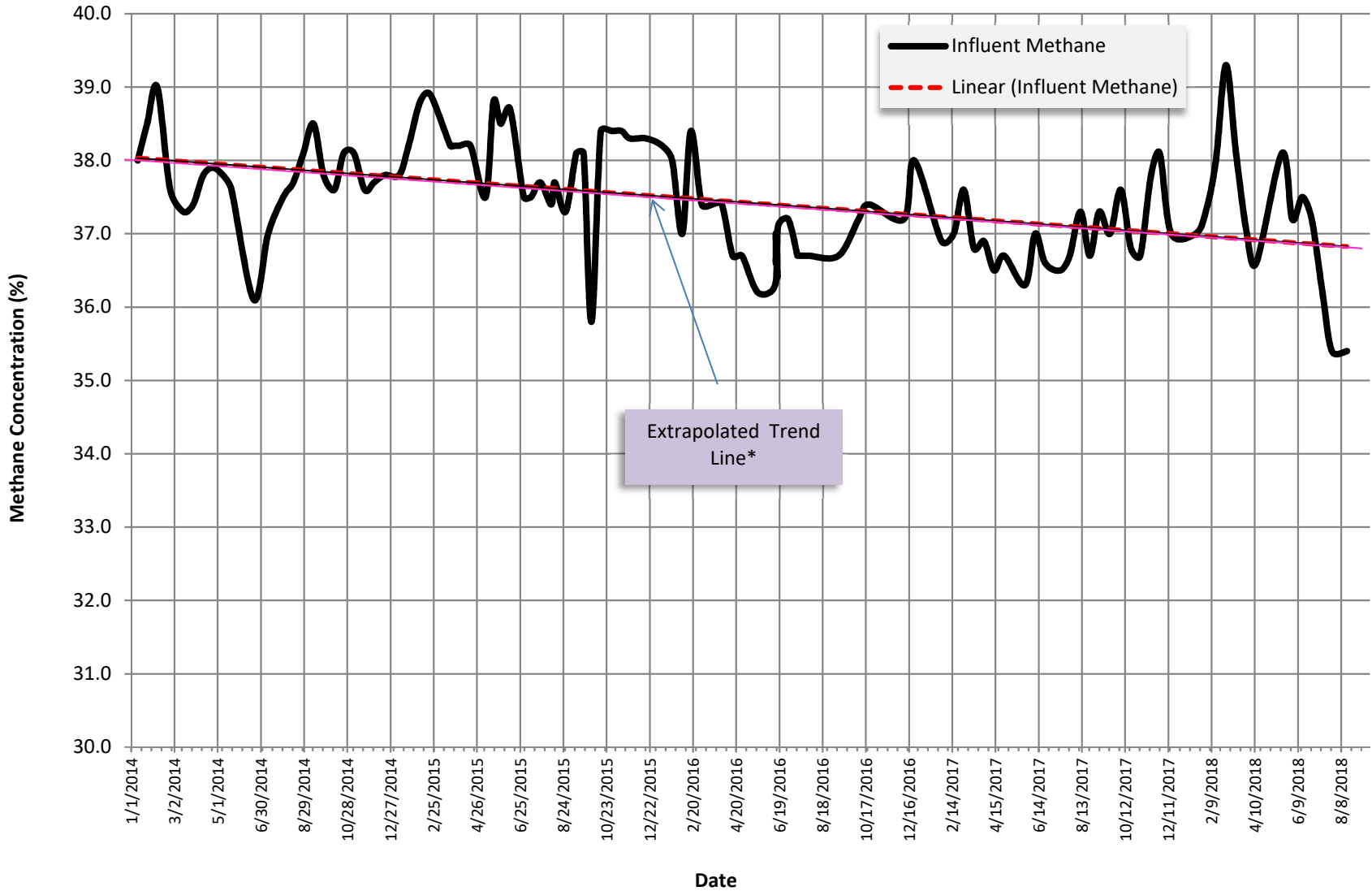
TREATMENT SYSTEM OPERATION SUMMARY	
Treatment System Start Date:	6/4/2001
TTU Start Date:	4/4/2006
Last Reading Date/Time:	8/17/2018 12:11
Historical through 2017 (TTU only):	
Total TTU Hours:	102,912
Total TTU Hours Operated:	33,220
% TTU Operation:	32.3%
Total Pounds of Methane Removed:	3,461,889
Current Year 2018:	
Total Hours:	5,952
Total Hours Operated:	1,110
% TTU Operation:	19%
Total Pounds of Methane Removed:	97,335
Cumulative (since TTU startup in 2006):	
% TTU Operation:	31.5%
Total Pounds of Methane Removed:	3,559,224

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%	233,046	30%	4,469	0.6	-52%
2018	1,110		97,335		1,867		

**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	35.1	25	518	19%	22,062	21%
Area F						
EW-31	29.5	2.0	34.8	17%	2,628	2%
EW-32	34.6	20.0	408.2	17%	18,864	18%
EW-33	36.5	15.0	322.9	17%	15,699	15%
EW-34	35.7	27.0	568.5	17%	28,726	27%
VF-3	39.3	6.0	139.1	19%	6,408	6%
VF-4	46.6	6.0	164.9	19%	5,774	7%
VF-5	44.9	3.0	79.5	19%	3,016	3%
Area D						
VD-2	38.1	2	45	19%	2,004	2%
VD-3	33.7	3.0	59.6	19%	1,905	2%
MIXED						
MIXED	35.4	96.0	2004.5	19%	90,864	100%

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

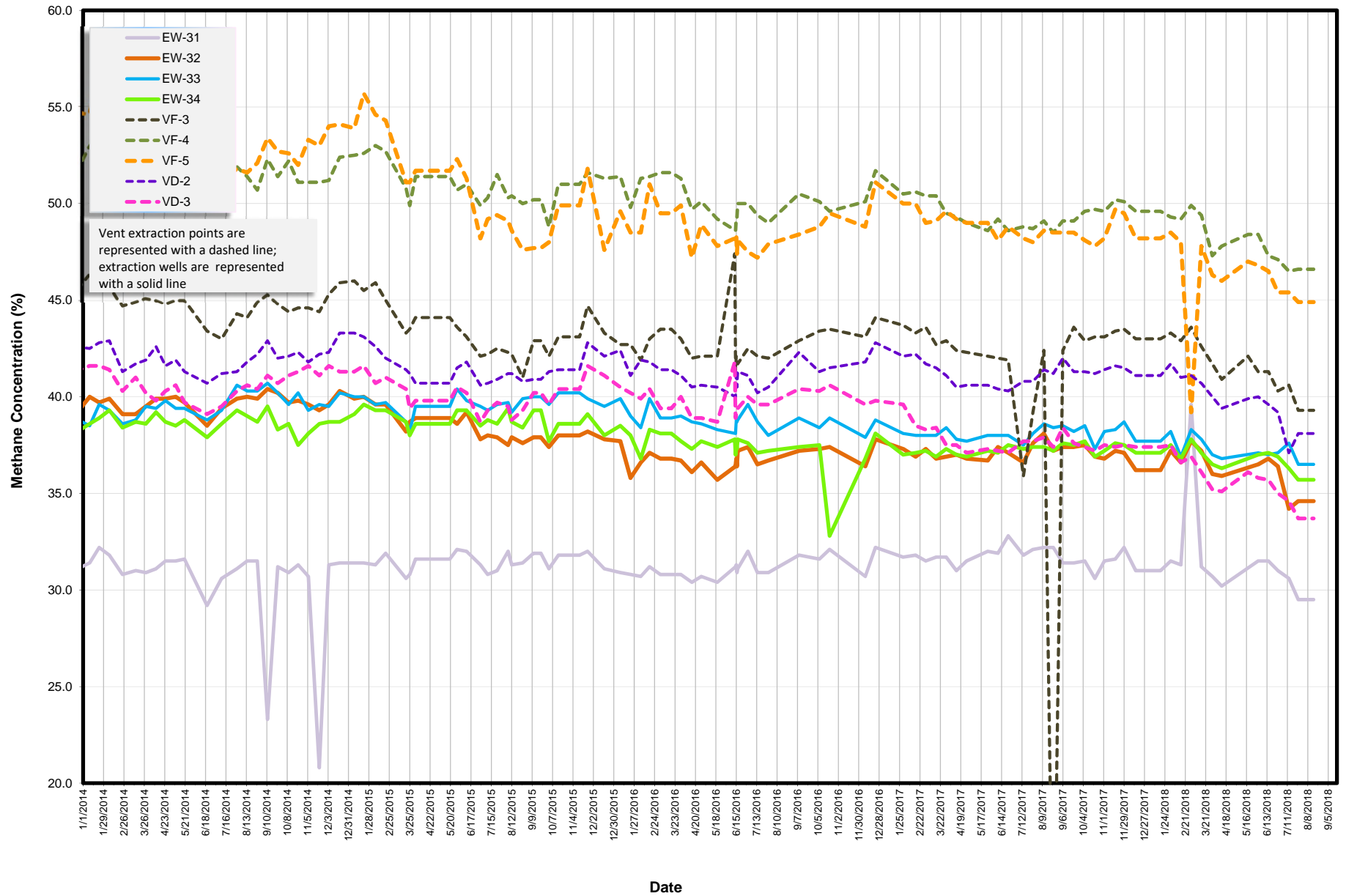


* Trend line generated from all data 1/1/14 to present

Methane Concentration vs. Time

OU2 Landfill Extraction Sources

1/1/2011 to present



Methane Concentration vs. Time

OU2 Landfill Extraction Sources

1/1/2011 to present

