

Former Fort Ord Operable Unit 2 Landfills Data and Status

HTW BCT, July 13, 2018

June 2018 Key Events for OU2 Landfills

- June 4 – 8: vegetation management.
- June 19: Monterey County Health Department quarterly inspection.
- June 19 – 25: 2nd quarter (annual) landfill gas monitoring event and TTU source testing.

July 2018 Key Events for OU2 Landfills

- TTU operations.



Barn owl in nest box

Raptor Watch

Ahtna



Red-tailed hawk launching from raptor perch

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

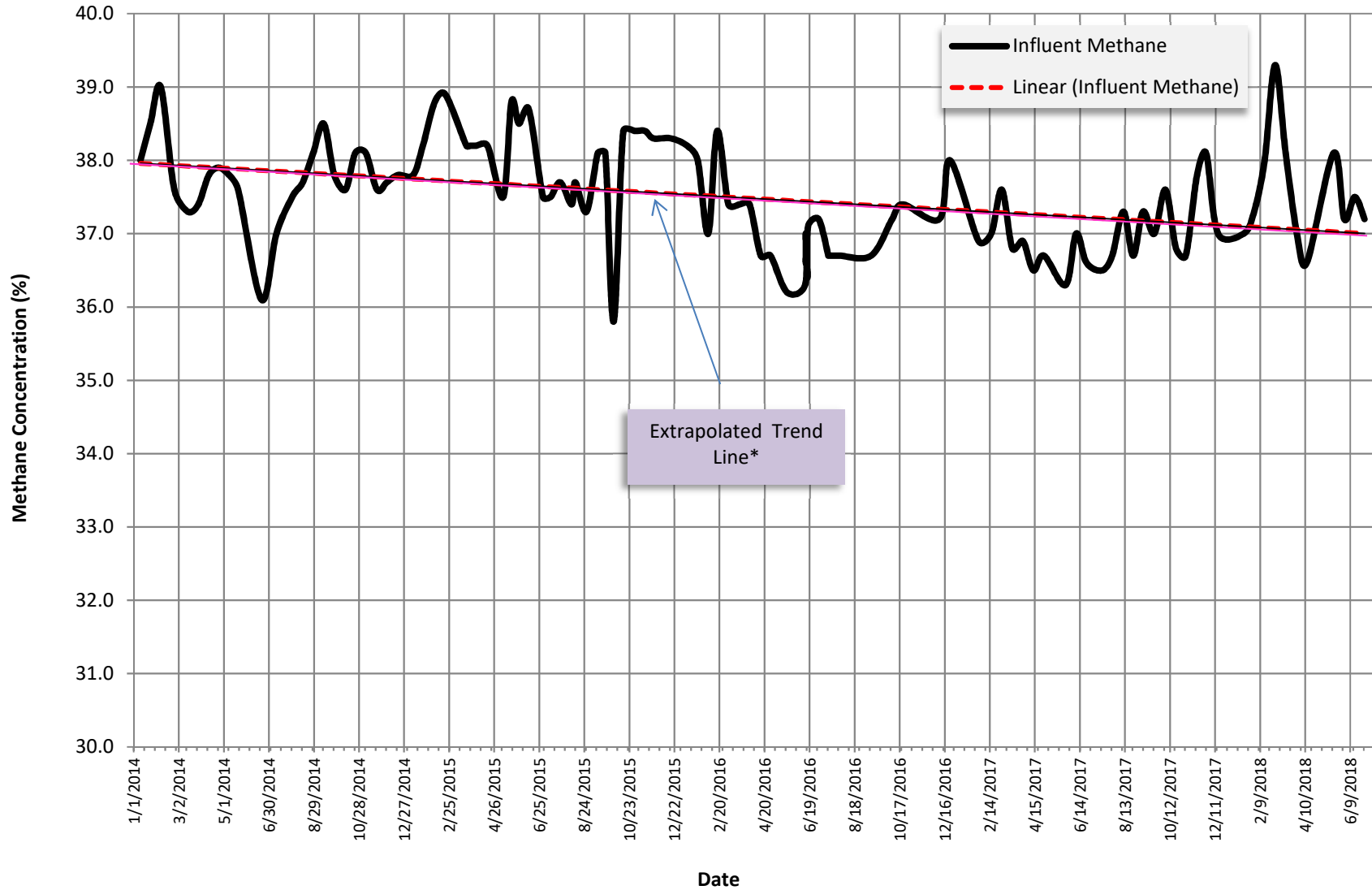
TREATMENT SYSTEM OPERATION SUMMARY	
Treatment System Start Date:	6/4/2001
TTU Start Date:	4/4/2006
Last Reading Date/Time:	6/28/2018 19:19
Historical through 2017 (TTU only):	
Total TTU Hours:	102,912
Total TTU Hours Operated:	32,990
% TTU Operation:	32.1%
Total Pounds of Methane Removed:	3,442,509
Current Year 2018:	
Total Hours:	4,464
Total Hours Operated:	880
% TTU Operation:	20%
Total Pounds of Methane Removed:	77,956
Cumulative (since TTU startup in 2006):	
% TTU Operation:	31.5%
Total Pounds of Methane Removed:	3,520,465

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%	213,666	20%	4,098	0.6	-52%
2018	880		77,956		1,495		

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

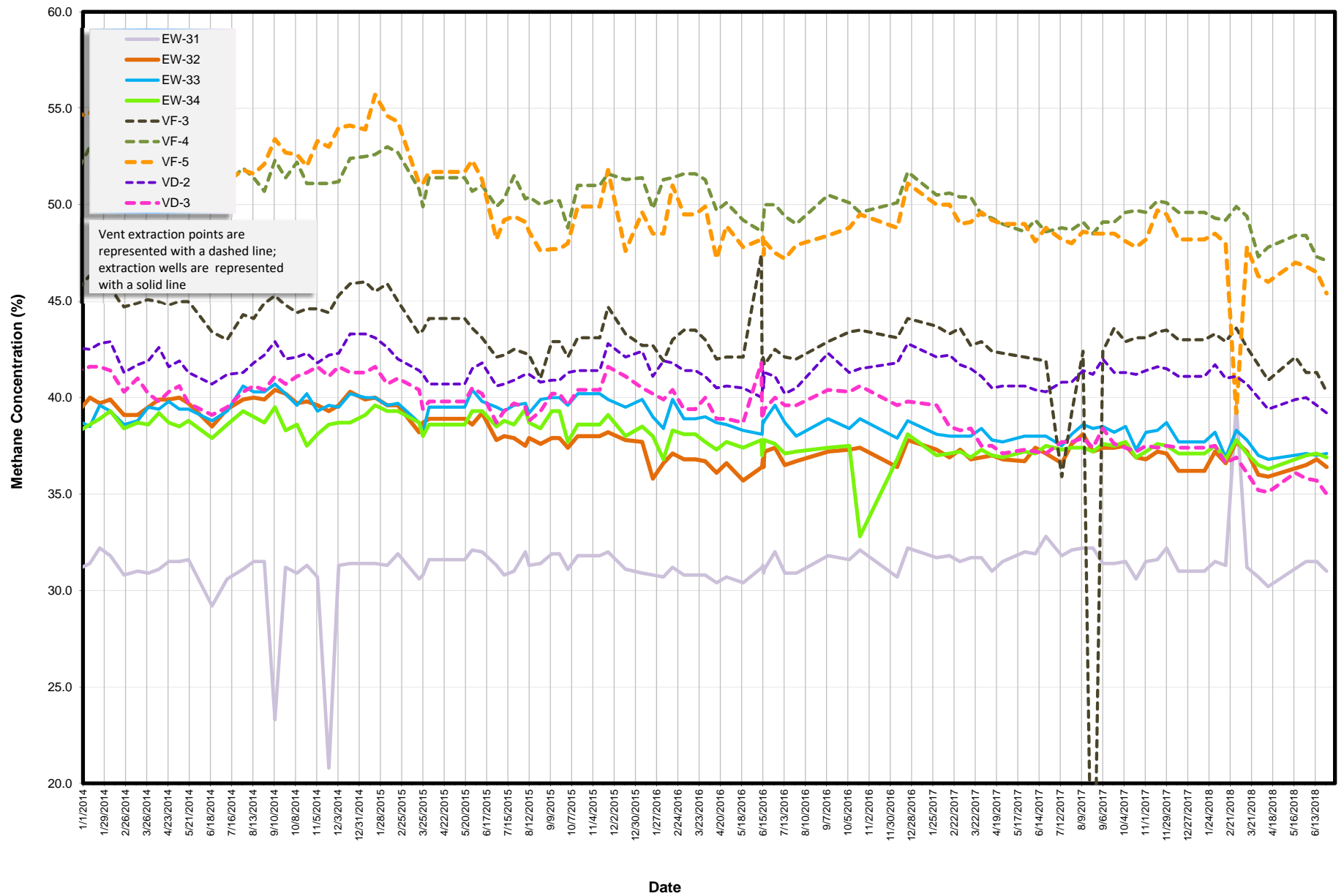
EXTRACTION SYSTEM (2018)						
Location	Last Instantaneous Methane Reading (%)	Last Instantaneous Flow Rate Reading (scfm)	Current Methane Removal Rate (lbs/day)	2018 % Operation	2018 Methane Removed (Lbs)	% Contribution of Each Extraction Source
Area E						
EP-36	37.4	25	552	20%	17,294	20%
Area F						
EW-31	31.0	2.0	36.6	18%	2,354	3%
EW-32	36.4	21.0	450.9	18%	14,896	18%
EW-33	37.1	16.0	350.1	18%	12,410	15%
EW-34	36.9	28.0	609.4	18%	23,012	27%
VF-3	40.3	6.0	142.6	20%	4,888	6%
VF-4	47.1	6.0	166.7	20%	5,157	8%
VF-5	45.4	4.0	107.1	20%	2,155	3%
Area D						
VD-2	39.2	2	46	20%	1,655	2%
VD-3	35.0	3.0	61.9	20%	1,255	1%
MIXED						
MIXED	37.2	96.0	2106.4	20%	71,484	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

