

Former Fort Ord Operable Unit 2 Landfills Data and Status

HTW BCT, February 1, 2019

December 2018 Key Events for OU2 Landfills

- TTU operations.
- Landfill winterization activities

January 2019 Key Events for OU2 Landfills

- TTU operations.
- Monitor for erosion



Ahtna

**Thermal Treatment Unit
Operation Summary
2006 - 2019**

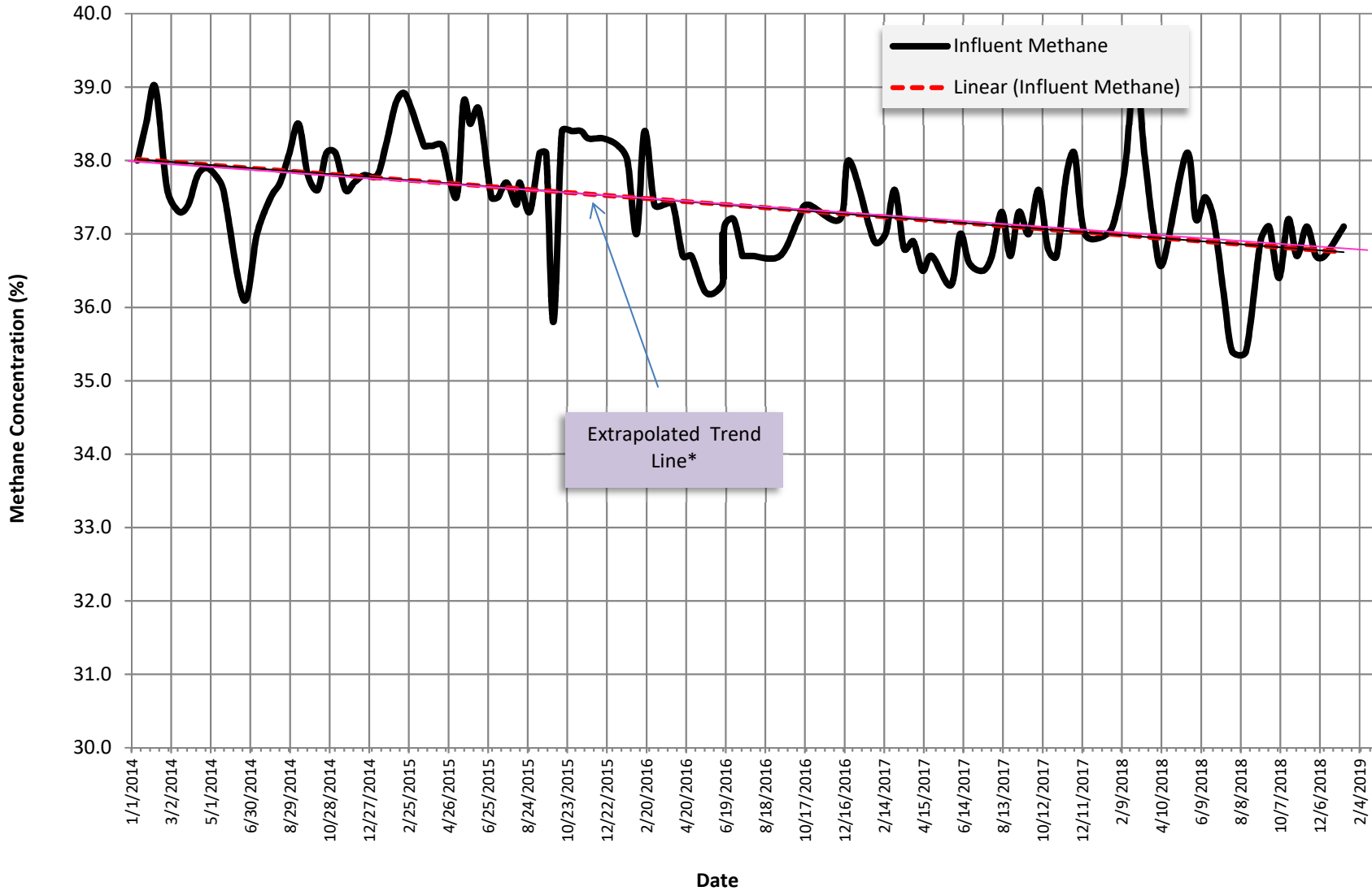
TREATMENT SYSTEM OPERATION SUMMARY	
Treatment System Start Date:	6/4/2001
TTU Start Date:	4/4/2006
Last Reading Date/Time:	1/11/2019 12:42
Historical through 2018 (TTU only):	
Total TTU Hours:	111,672
Total TTU Hours Operated:	33,771
% TTU Operation:	30.2%
Total Pounds of Methane Removed:	3,509,729
Current Year 2019:	
Total Hours:	384
Total Hours Operated:	96
% TTU Operation:	25%
Total Pounds of Methane Removed:	8,379
Cumulative (since TTU startup in 2006):	
% TTU Operation:	30.2%
Total Pounds of Methane Removed:	3,518,108

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%	135,711	-24%	2,603	0.6	-33%
2018	1,661	-19%	145,174	-19%	2,784	0.6	-39%
2019	96		8,379		161		-100%

**Thermal Treatment Unit
Operation Summary
2006 - 2019**

EXTRACTION SYSTEM (2019)						
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	38.5	25.0	567.7	0.2	37610.3	20%
Area F						
EW-31	30.7	3.0	54.3	0.2	3523.0	2%
EW-32	35.9	28.0	592.9	19%	33,512	18%
EW-33	37.2	17.0	373.0	19%	26,576	14%
EW-34	36.4	33.0	708.5	19%	48,272	26%
VF-3	41.9	7.0	173.0	0.2	11689.2	6%
VF-4	47.6	7.0	196.5	0.2	11107.9	6%
VF-5	46.5	4.0	109.7	19%	6510.0	4%
Area D						
VD-2	39.6	1.0	23.4	0.2	3522.3	2%
VD-3	35.2	1.0	20.8	0.2	3614.6	2%
MIXED						
MIXED	37.1	96.0	2100.8	0.2	153552.8	100%

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

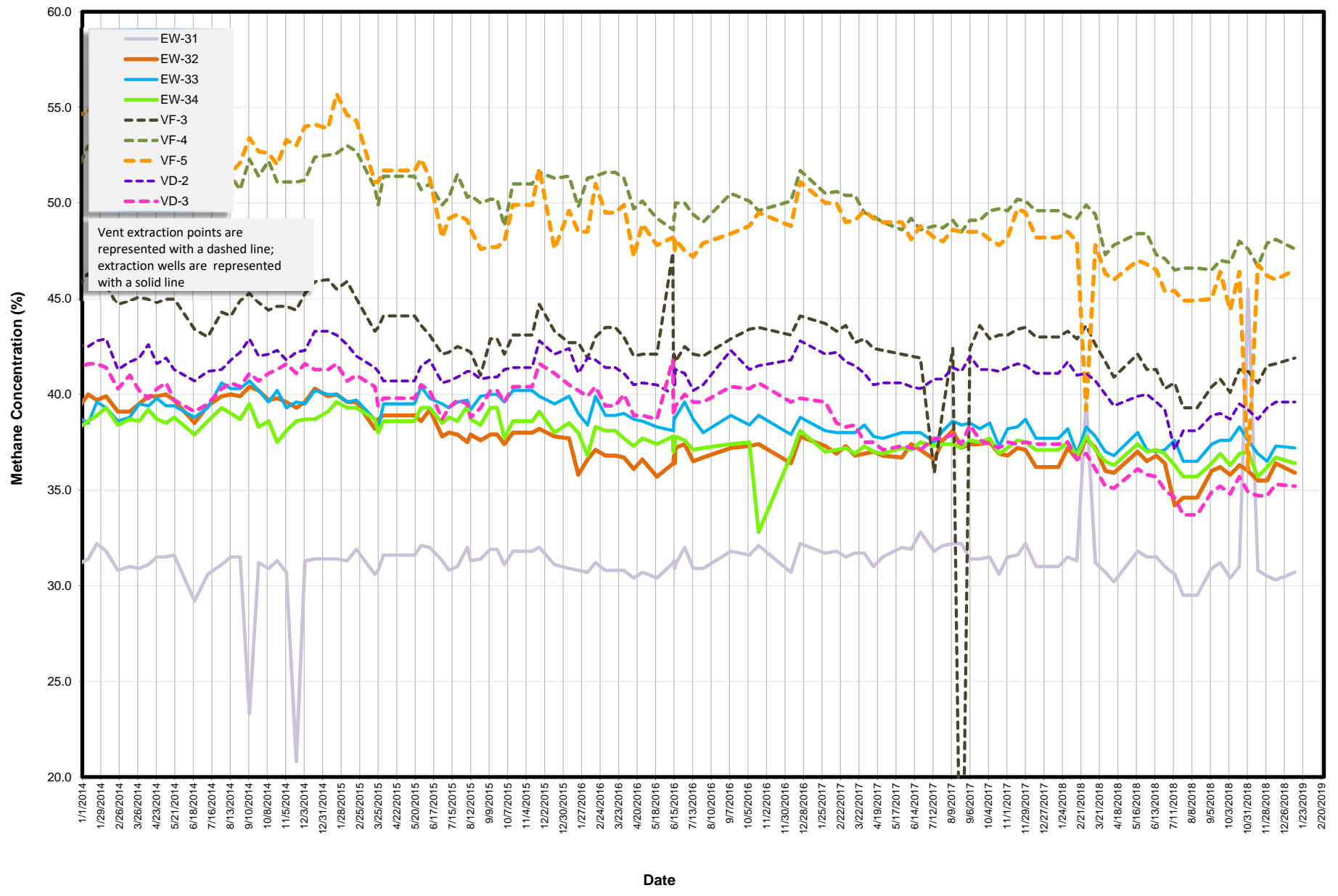


* Trend line generated from all data 1/1/14 to present

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

