

HTW BCT, May 1, 2020

March 2020 Key Events for OU2 Landfills

- TTU Operations
- Winterization
- Monterey County Health Inspection

April/May 2020 Key Events for OU2 Landfills

- TTU Operations
- Erosion Maintenance
- Raptor Perch Installation
- Annual VOC sampling of compliance probes
- TTU Source Test



Ahtna

**Thermal Treatment Unit
Operation Summary
2006 - 2020**

TREATMENT SYSTEM OPERATION SUMMARY	
Treatment System Start Date:	6/4/2001
TTU Start Date:	4/4/2006
Last Reading Date/Time:	4/1/2020 17:23
Historical through 2019 (TTU only):	
Total TTU Hours:	120,432
Total TTU Hours Operated:	35,094
% TTU Operation:	29.1%
Total Pounds of Methane Removed:	3,623,172
Current Year 2020:	
Total Hours:	2,568
Total Hours Operated:	413
% TTU Operation:	16%
Total Pounds of Methane Removed:	35,543
Cumulative (since TTU startup in 2006):	
% TTU Operation:	28.9%
Total Pounds of Methane Removed:	3,658,715

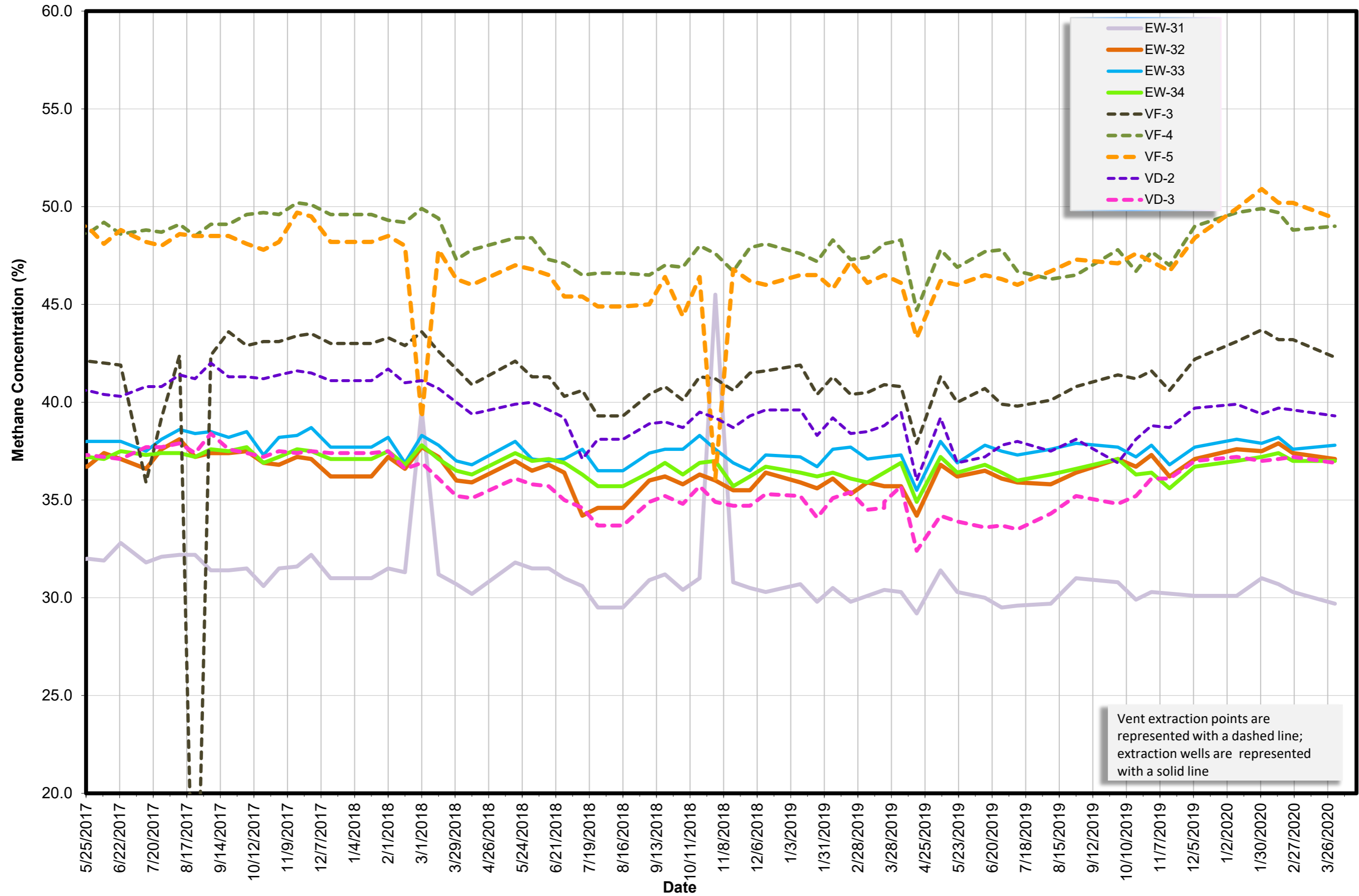
**Thermal Treatment Unit
Operation Summary
2006 - 2020**

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	-9%
2019	1,227	-21%	113,443	-16%	2,176	0.6	9%
2020	876		35,543		2,304		

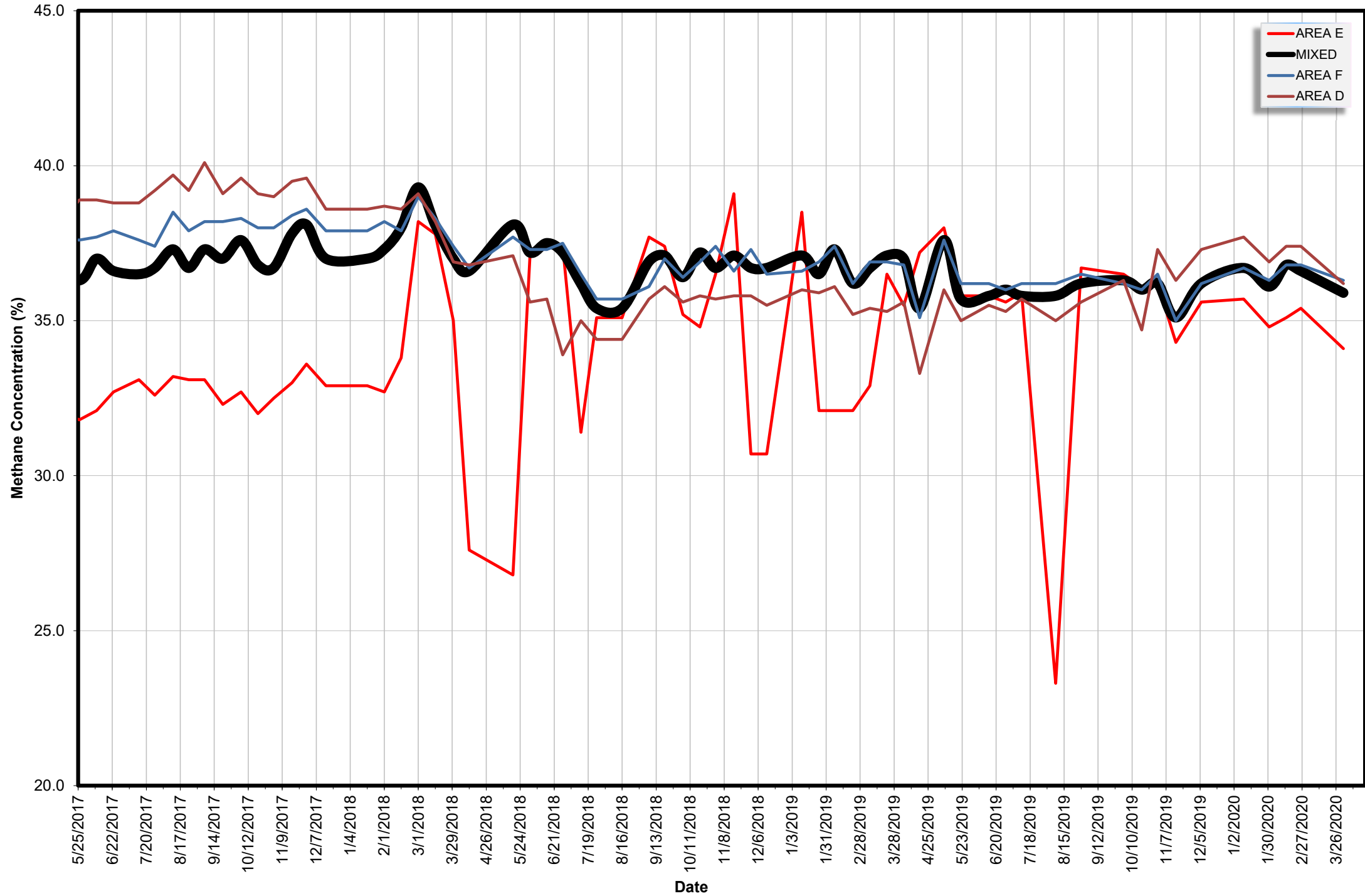
**Thermal Treatment Unit
Operation Summary
2006 - 2020**

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	34.1	25.0	502.8	0.2	72432.2	22%
Area F						
EW-31	29.7	1.0	17.5	0.2	6177.6	2%
EW-32	37.1	18.3	400.5	17%	63,720	19%
EW-33	37.8	20.1	448.1	17%	53,365	16%
EW-34	37.0	14.4	314.3	17%	79,745	24%
VF-3	42.3	6.7	167.2	0.2	21353.6	6%
VF-4	49.0	6.0	173.4	0.2	16443.8	5%
VF-5	49.4	1.0	29.1	17%	11503.7	3%
Area D						
VD-2	39.3	3.6	83.5	0.2	6269.9	2%
VD-3	36.9	1.0	21.8	0.2	5570.5	2%
MIXED						
MIXED	35.9	96.0	2032.8	0.2	294160.0	100%

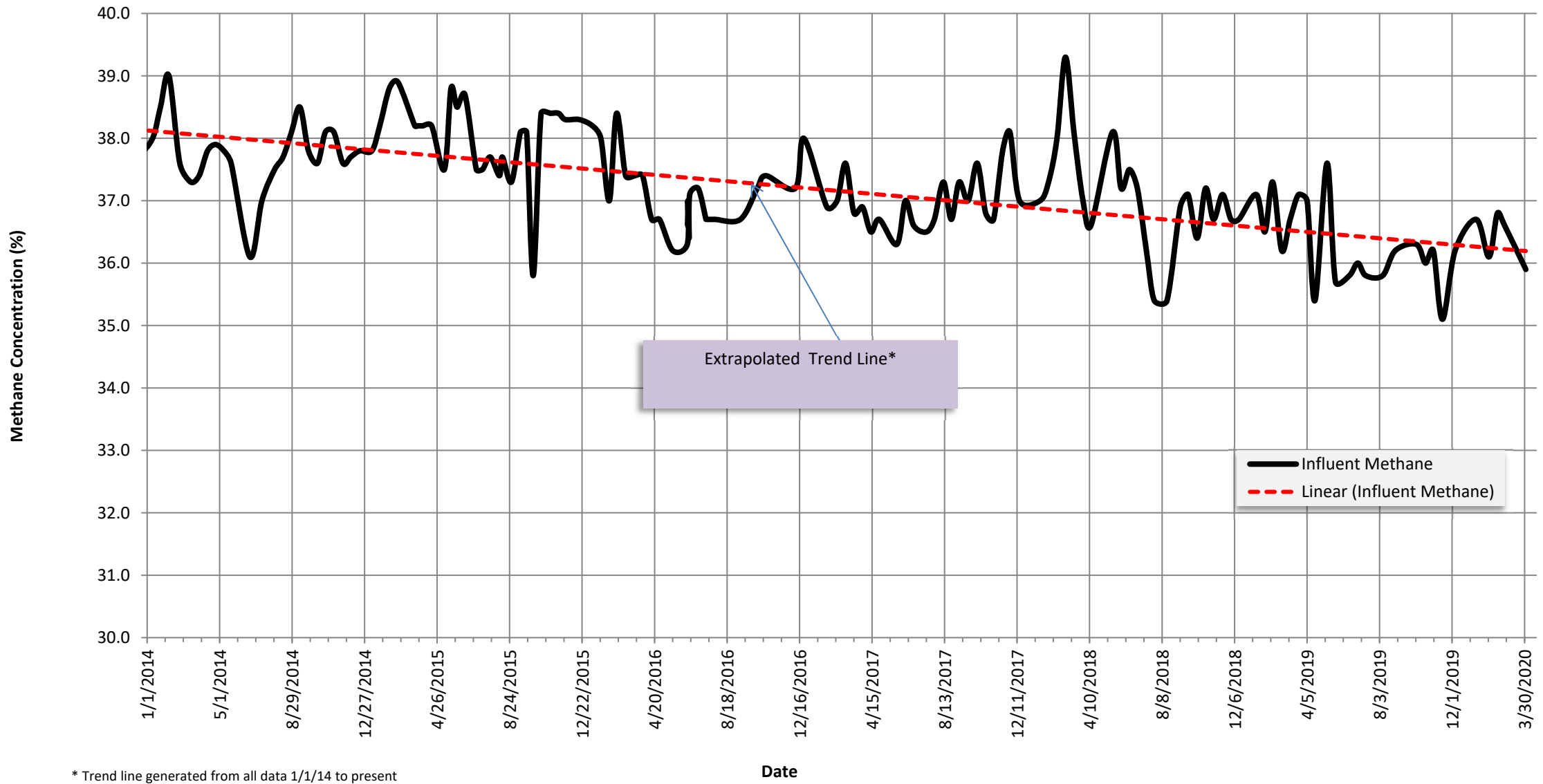
Methane Concentration Time Series Plot
OU2 Landfill Individual Extraction Sources
5/2017 to present



Methane Concentration Time Series Plot
OU2 Landfill Extraction Legs
5/2017 to present



Methane Concentration Time Series Plot
Thermal Treatment Unit Influent
01/01/2014 to present



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