

HTW BCT, May 13, 2022

Q2 2022 Key Events for OU2 Landfills

- TTU Operations (ongoing)
- Rodent Trapping (ongoing)
- MCHD Inspection
- Annual Probe monitoring (6/6-10)
- Annual TTU Source Test (6/9)
- **Q3 2022 Key Events for OU2 Landfills**
- TTU Operations (ongoing)
- Rodent Trapping (ongoing)
- MCHD Inspection
- Quarterly Probe monitoring
- Annual mowing



Ahtna

**Thermal Treatment Unit
Operation Summary
2006 - 2022**

TREATMENT SYSTEM OPERATION SUMMARY	
Treatment System Start Date:	6/4/2001
TTU Start Date:	4/4/2006
Last Reading Date/Time:	5/10/2022 17:03
Historical through 2021 (TTU only):	
Total TTU Hours:	137,952
Total TTU Hours Operated:	37,932
% TTU Operation:	27.5%
Total Pounds of Methane Removed:	3,866,828
Current Year 2022:	
Total Hours:	3,120
Total Hours Operated:	363
% TTU Operation:	12%
Total Pounds of Methane Removed:	31,286
Cumulative (since TTU startup in 2006):	
% TTU Operation:	27.1%
Total Pounds of Methane Removed:	3,898,114

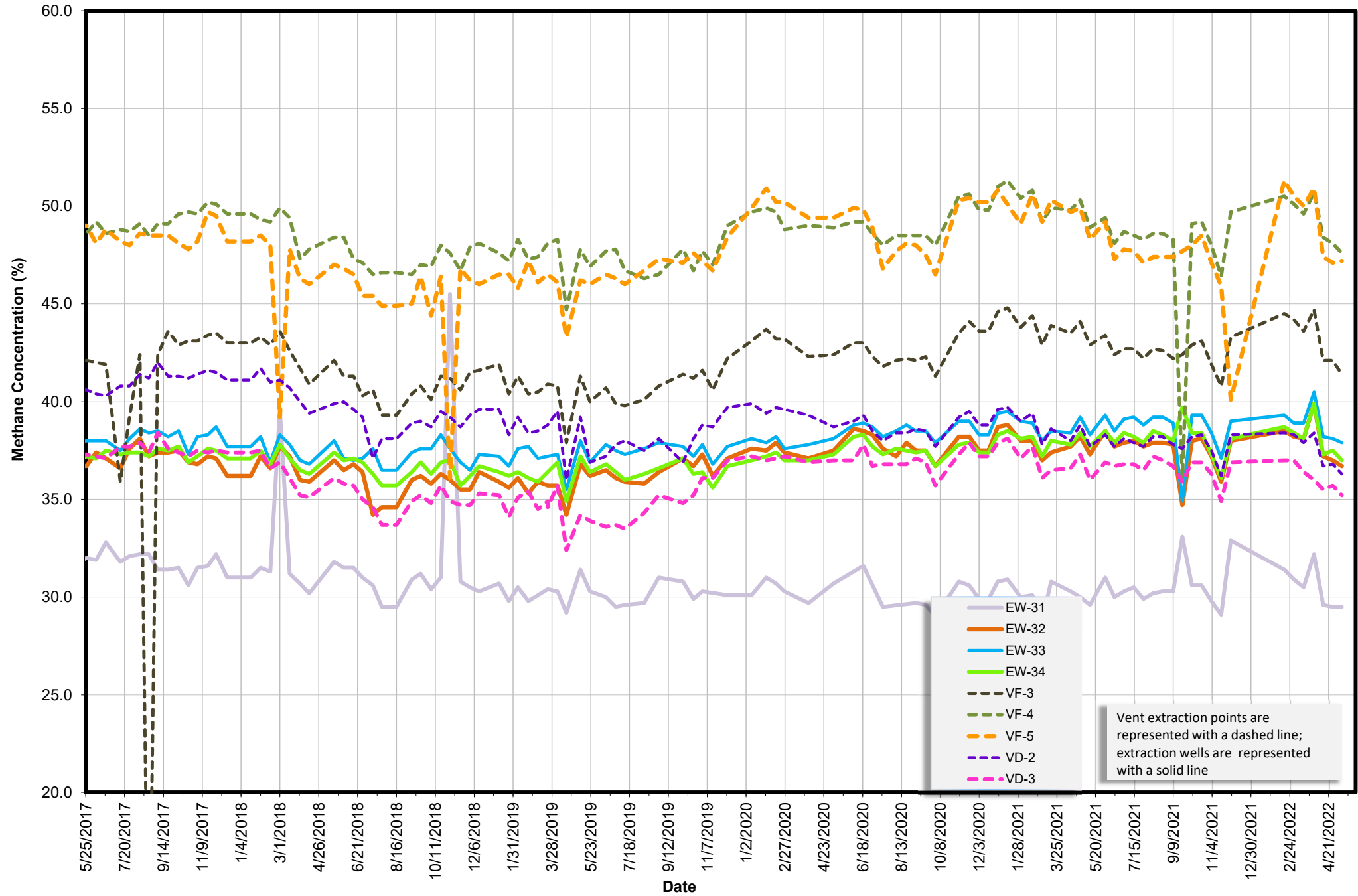
**Thermal Treatment Unit
Operation Summary
2006 - 2022**

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	7%	145,174	7%	2,784	0.6	-9%
2019	1,227	-26%	113,443	-22%	2,176	0.6	9%
2020	1,316	7%	113,095	0%	2,169	0.6	0%
2021	1,150	-13%	130,560	15%	2,504	0.4	-34%
2022	363		31,286		1,672		

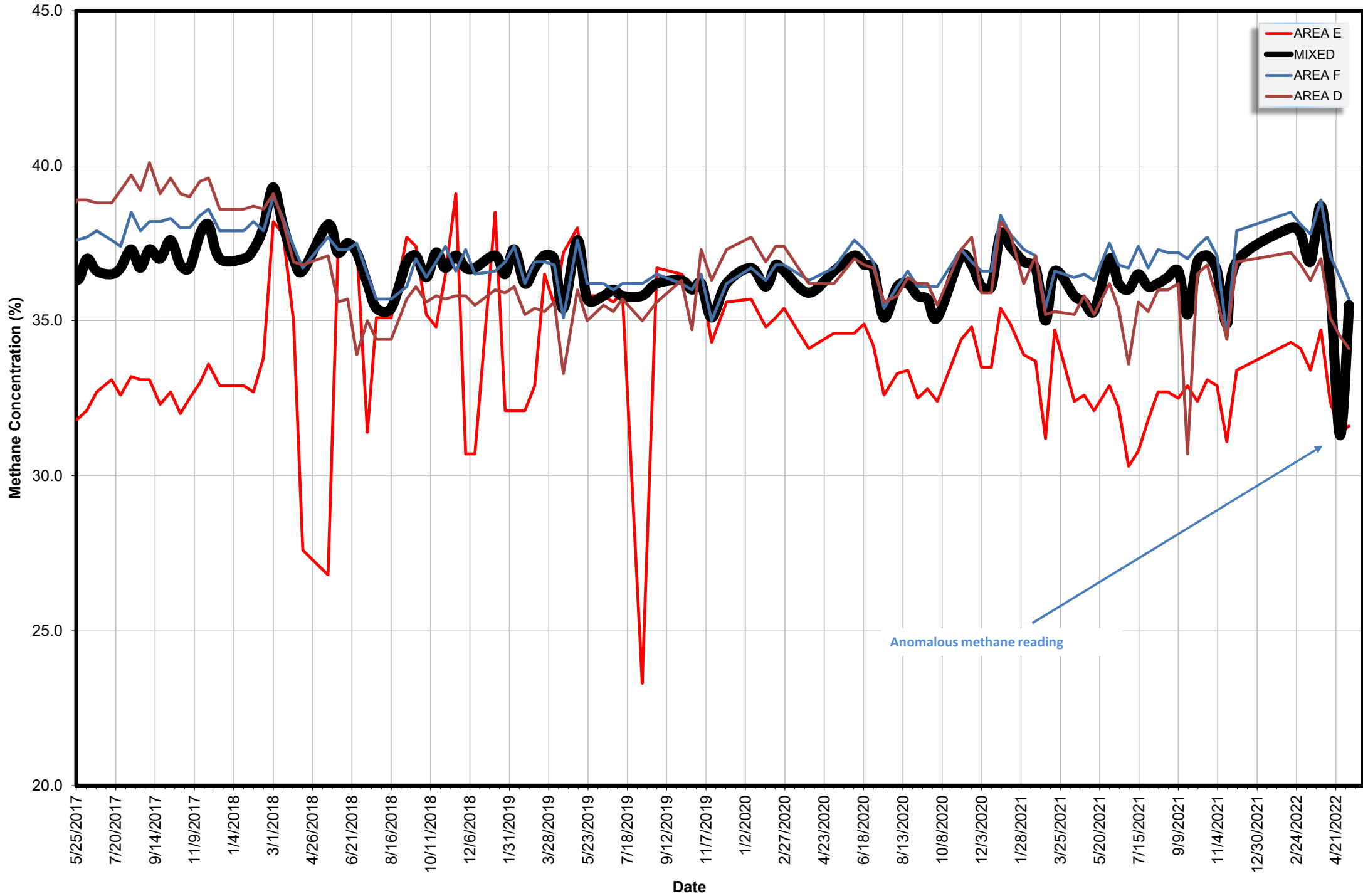
**Thermal Treatment Unit
Operation Summary
2006 - 2022**

EXTRACTION SYSTEM (2022)						
Location	Last Instantaneous Methane Reading (%)	Last Instantaneous Flow Rate Reading (scfm)	Current Methane Removal Rate (lbs/day)	2022 % Operation	2021 Methane Removed (Lbs)	% Contribution of Each Extraction Source
Area E						
EP-36	31.6	25.0	466.0	4%	29667.3	12%
Area F						
EW-31	29.5	1.0	17.4	4%	2131.9	1%
EW-32	36.7	15.8	342.0	4%	24,706	10%
EW-33	37.9	14.7	328.6	4%	23,770	9%
EW-34	37.0	18.2	397.2	4%	29,918	12%
VD-3	35.2	2.6	54.0	4%	2100.5	1%
VF-3	41.4	5.2	127.0	4%	6102.2	2%
VF-5	47.2	3.4	94.7	4%	4534.8	2%
Area D						
MIXED	35.5	96.0	2010.2	4%	126319.2	50%
VD-2	36.3	3.3	70.7	4%	2468.1	1%
MIXED						
EW-35	28.1	2.6	43.1	0%	55.5	100%

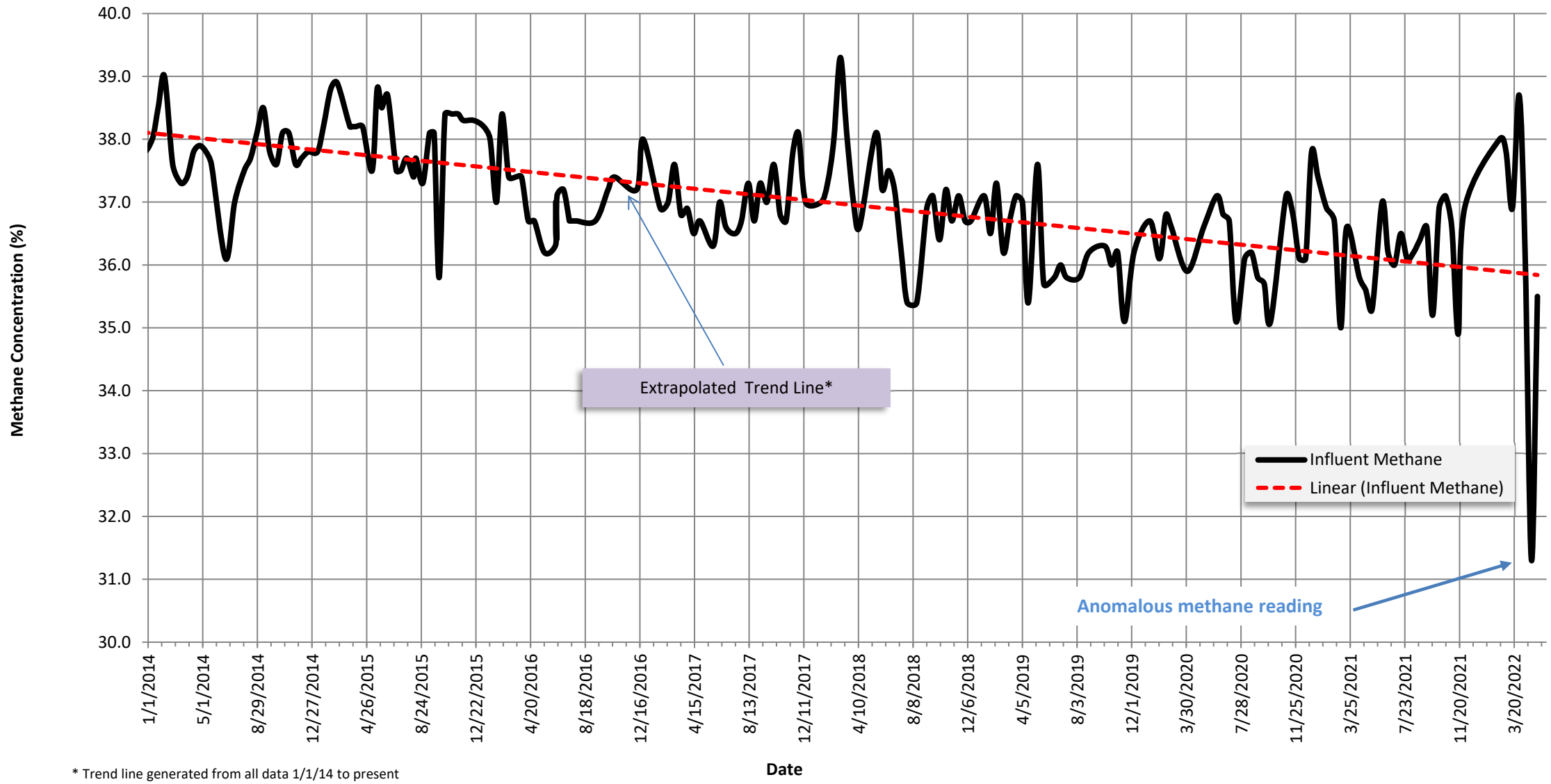
Methane Concentration Time Series Plot
OU2 Landfill Individual Extraction Sources
5/2017 to present



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