

HTW IPM, April 10, 2019

## March 2019 Key Events for OU2 Landfills

- TTU operations
- Monitor Erosion
- Monterey County Health Dept Inspection

## April 2019 Key Events for OU2 Landfills

- TTU operations
- Monitor Erosion

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

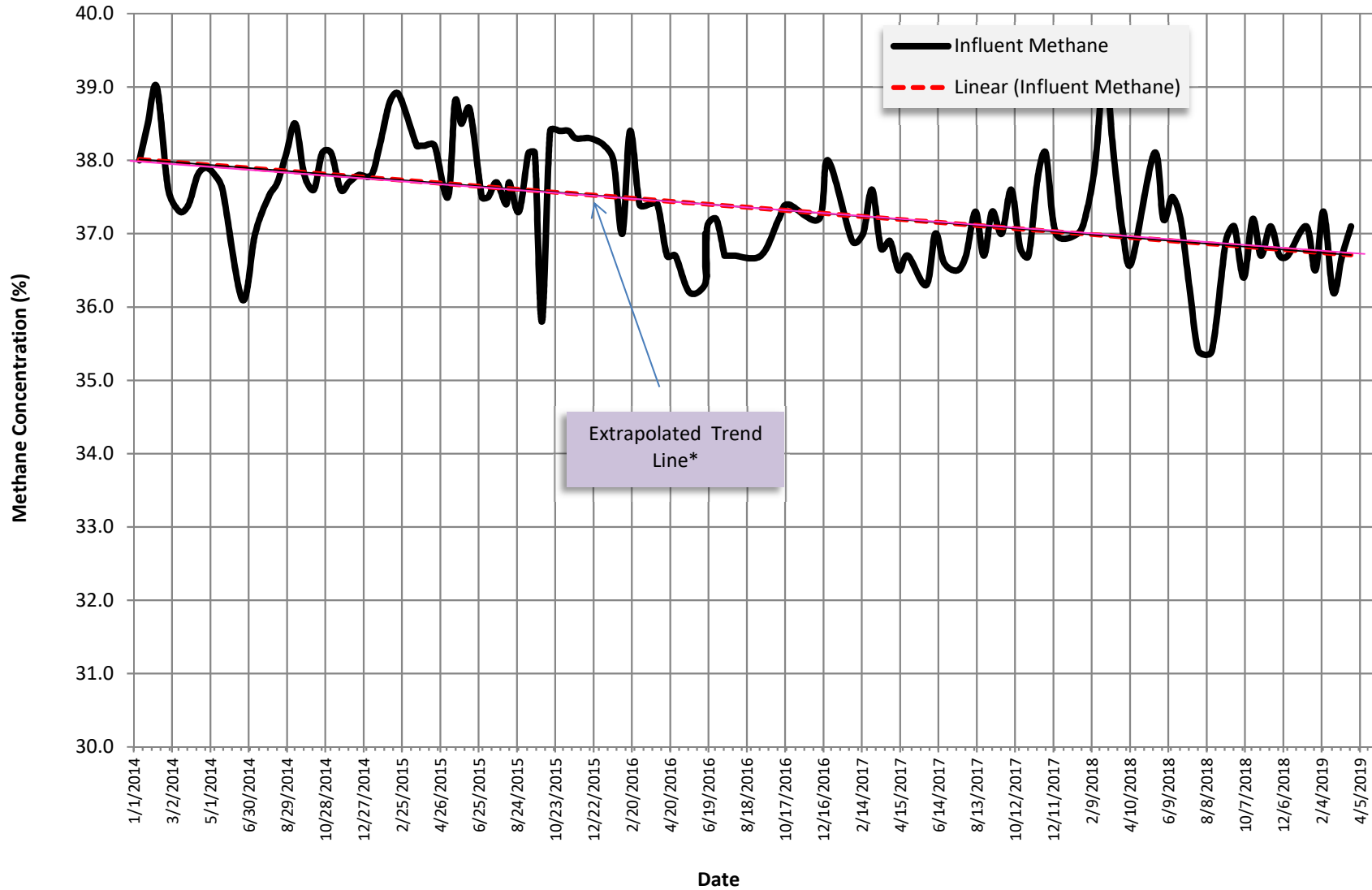
<b>TREATMENT SYSTEM OPERATION SUMMARY</b>	
<b>Treatment System Start Date:</b>	<b>6/4/2001</b>
<b>TTU Start Date:</b>	<b>4/4/2006</b>
<b>Last Reading Date/Time:</b>	<b>3/22/2019 15:08</b>
<b>Historical through 2018 (TTU only):</b>	
Total TTU Hours:	<b>111,672</b>
Total TTU Hours Operated:	<b>33,771</b>
% TTU Operation:	<b>30.2%</b>
Total Pounds of Methane Removed:	<b>3,509,729</b>
<b>Current Year 2019:</b>	
Total Hours:	<b>2,040</b>
Total Hours Operated:	<b>452</b>
% TTU Operation:	<b>22%</b>
Total Pounds of Methane Removed:	<b>39,263</b>
<b>Cumulative (since TTU startup in 2006):</b>	
% TTU Operation:	<b>30.1%</b>
Total Pounds of Methane Removed:	<b>3,548,992</b>

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	452		39,263		753		-100%

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

<b>EXTRACTION SYSTEM (2019)</b>						
<b>Location</b>	<b>Last Instantaneous Methane Reading (%)</b>	<b>Last Instantaneous Flow Rate Reading (scfm)</b>	<b>Current Methane Removal Rate (lbs/day)</b>	<b>2018 % Operation</b>	<b>2018 Methane Removed (Lbs)</b>	<b>% Contribution of Each Extraction Source</b>
<b>Area E</b>						
EP-36	36.5	25.0	538.2	0.2	44808.6	20%
<b>Area F</b>						
EW-31	30.4	4.0	71.7	0.2	4083.5	2%
EW-32	35.7	25.0	526.4	20%	41,118	18%
EW-33	37.2	16.0	351.1	20%	31,661	14%
EW-34	36.4	32.0	687.0	20%	57,884	26%
VF-3	40.9	7.0	168.9	0.2	14194.3	6%
VF-4	48.1	6.0	170.2	0.2	13903.6	6%
VF-5	46.5	1.0	27.4	20%	7301.8	3%
<b>Area D</b>						
VD-2	38.8	1.0	22.9	0.2	4326.3	2%
VD-3	34.9	1.0	20.6	0.2	4118.3	2%
<b>MIXED</b>						
MIXED	37.1	96.0	2100.8	0.2	184437.3	100%

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

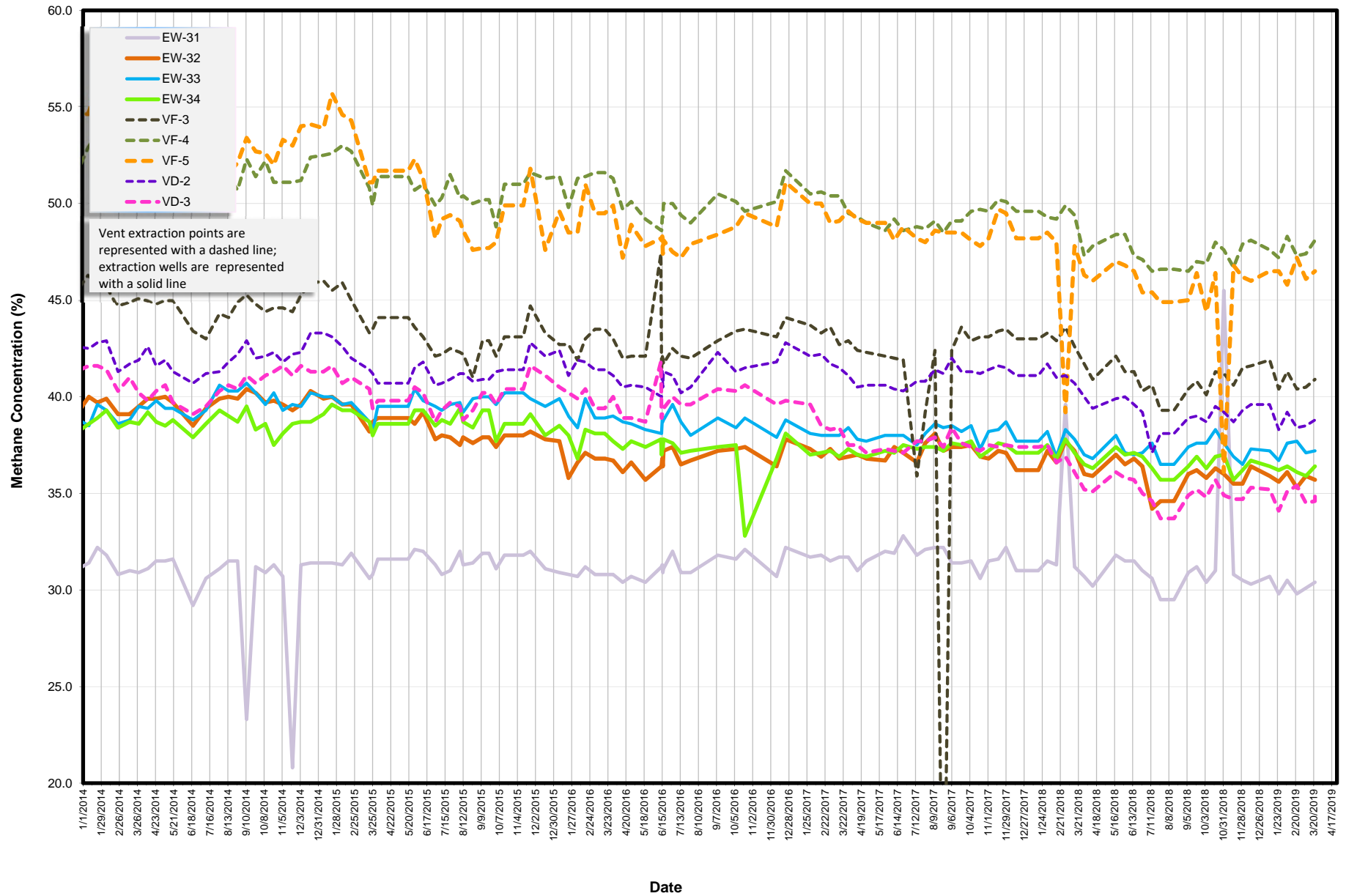


\* Trend line generated from all data 1/1/14 to present

# 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

