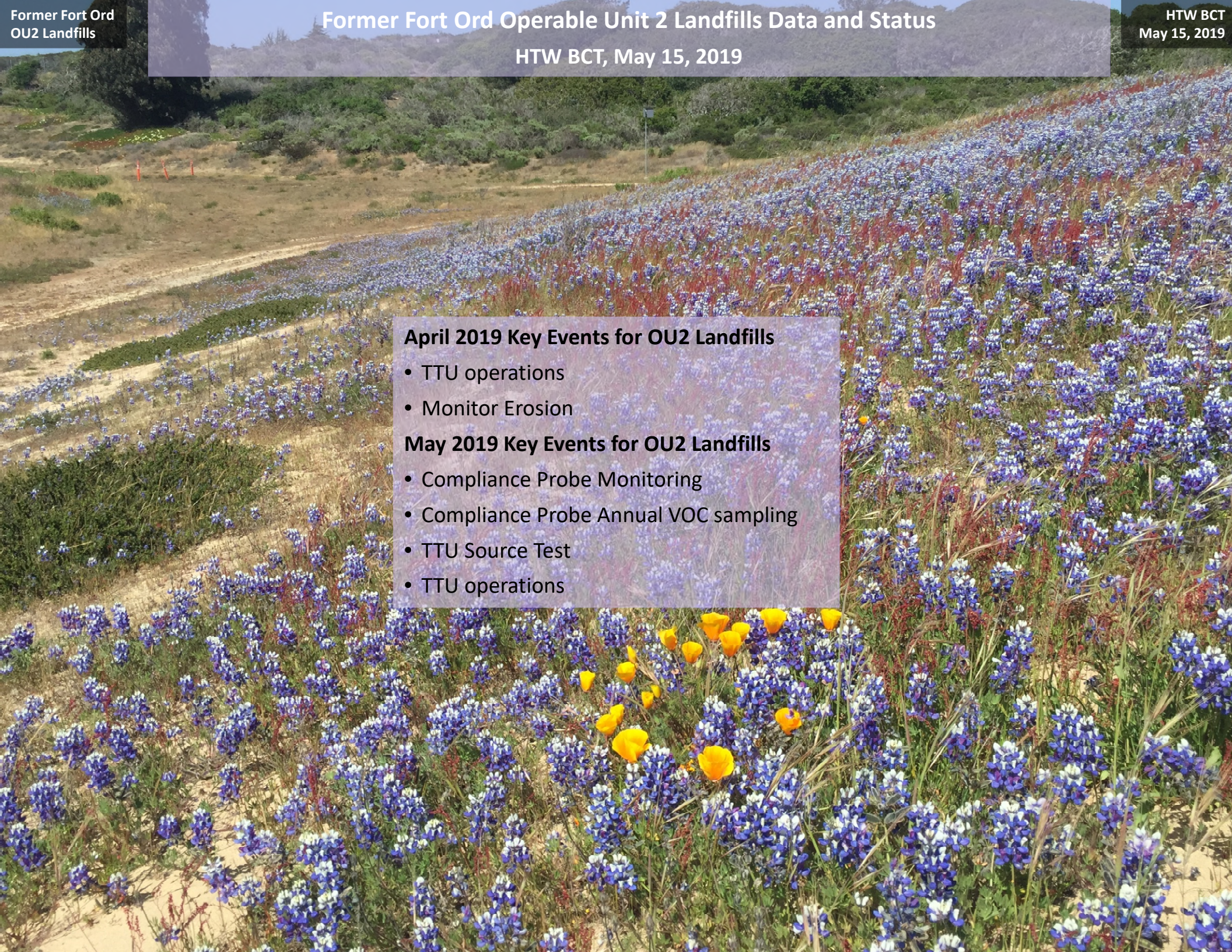




April 2019 Key Events for OU2 Landfills

- TTU operations
- Monitor Erosion

May 2019 Key Events for OU2 Landfills

- Compliance Probe Monitoring
- Compliance Probe Annual VOC sampling
- TTU Source Test
- TTU operations

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

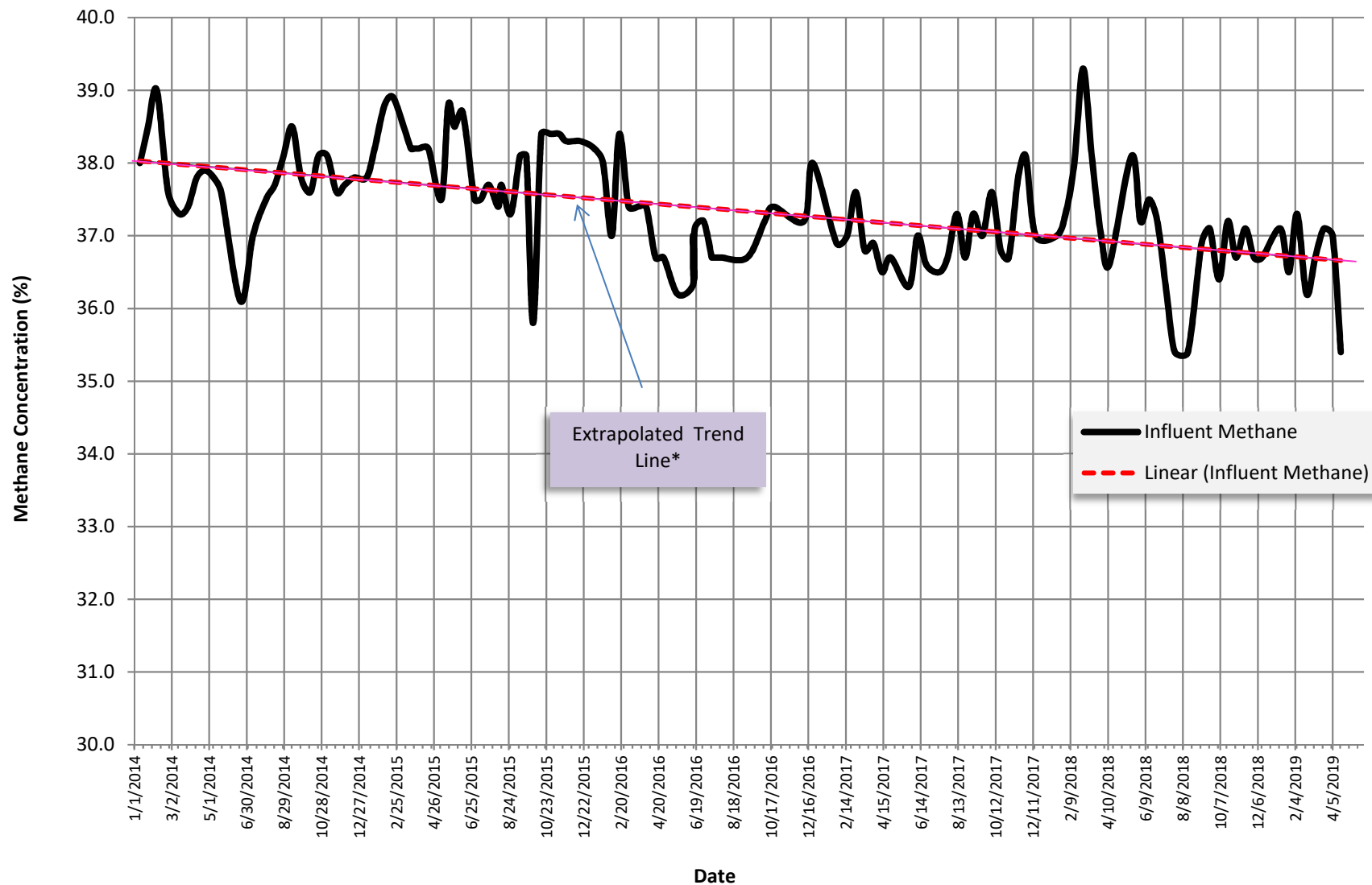
TREATMENT SYSTEM OPERATION SUMMARY	
Treatment System Start Date:	6/4/2001
TTU Start Date:	4/4/2006
Last Reading Date/Time:	4/18/2019 16:19
Historical through 2018 (TTU only):	
Total TTU Hours:	111,672
Total TTU Hours Operated:	33,771
% TTU Operation:	30.2%
Total Pounds of Methane Removed:	3,509,729
Current Year 2019:	
Total Hours:	2,856
Total Hours Operated:	600
% TTU Operation:	21%
Total Pounds of Methane Removed:	51,915
Cumulative (since TTU startup in 2006):	
% TTU Operation:	30.0%
Total Pounds of Methane Removed:	3,561,644

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	600		51,915		996		

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

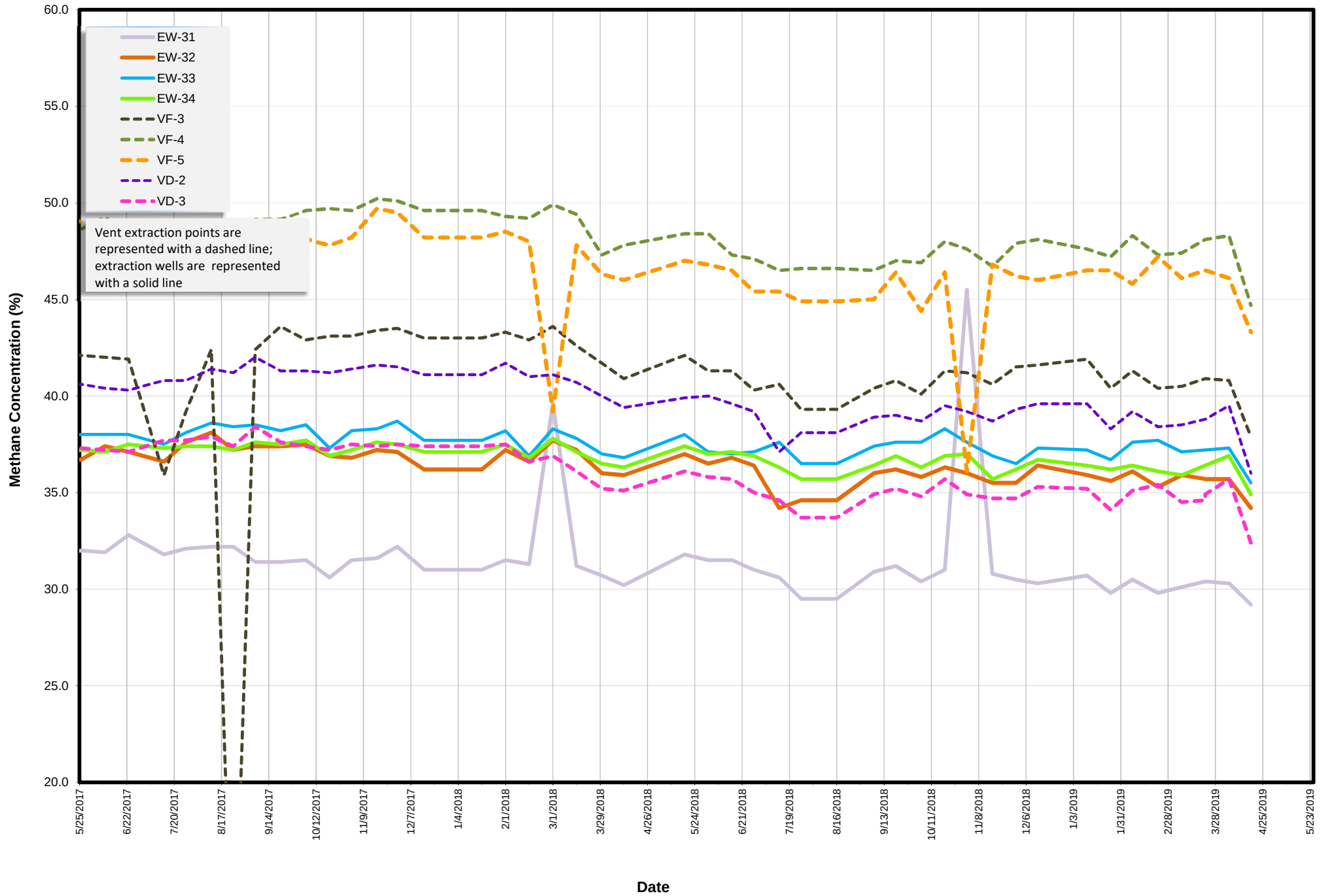
EXTRACTION SYSTEM (2019)						
Location	Last Instantaneous Methane Reading (%)	Last Instantaneous Flow Rate Reading (scfm)	Current Methane Removal Rate (lbs/day)	2018 % Operation	2018 Methane Removed (Lbs)	% Contribution of Each Extraction Source
Area E						
EP-36	37.2	25.0	548.6	0.2	48117.0	20%
Area F						
EW-31	29.2	1.2	21.4	0.2	4244.6	2%
EW-32	34.2	18.7	376.7	20%	43,440	18%
EW-33	35.5	12.5	260.7	20%	33,272	14%
EW-34	34.9	23.7	486.9	20%	60,706	26%
VF-3	37.9	4.6	102.1	0.2	14821.2	6%
VF-4	44.7	4.6	120.4	0.2	13903.6	6%
VF-5	43.3	2.5	63.6	20%	7655.8	3%
Area D						
VD-2	36.0	0.8	17.6	0.2	4616.6	2%
VD-3	32.4	2.5	47.6	0.2	4496.6	2%
MIXED						
MIXED	35.4	96.0	2004.5	0.2	197089.3	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 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

