

EBWWTP														
Date	COMBINED INFLUENT					EFFLUENT					BIOSOLIDS (Land Application)			
	Sample Type	1,4 Dioxane ppb, µg/L	PFOA ppt	PFOS ppt	Total PFAS ppt	Sample Type	Flow MGD	1,4 Dioxane ppb	PFOA ppt	PFOS ppt	Total PFAS ppt	1,4 Dioxane ppb	PFOA ng/g	PFOS ng/g
	7/16/2019	Grab	21.30	73.0	49.8	2,113.6								
8/6/2019	Grab	15.60	64.6	56.4	2,416.9									
9/17/2019	Grab	18.70	10.8	12.5	41.8									
10/31/2019	Grab		46.0	30.9	2,308.4									
11/8/2019														
11/13/2019	Grab		45.2	29.7	2,698.8	Grab	4.28		201.0	36.4	26,376.8		1.05	5.01
11/15/2019	Grab		34.8	20.1	2,387.9	Grab	3.32	10.0	238.0	25.0	27,126.2			
11/18/2019	Grab		28.5	17.1	1,169.6	Grab	3.01		139.0	21.7	10,202.8		1.89	4.42
11/20/2019	Grab		27.8	25.5	2,747.3	Grab	3.53		172.0	31.8	33,318.7			
11/22/2019														
11/25/2019	Grab				881.0	Grab	4.07		119.0	0.0	7,111.0		1.80	5.07
11/27/2019						Grab	4.02		111.0	17.7	23,186.4			
12/4/2019	Grab		36.7	19.6	2,317.9	Grab	5.17		97.9	28.5	15,425.5			
12/17/2019	Grab		27.2		1,439.2	Grab	4.98		100.0	22.7	21,009.3		1.64	5.35
12/18/2019						Grab	4.06	11.0	183.0	31.2	10,643.1			
12/20/2019	Grab		65.8	35.0	1,416.8									
12/23/2019	Grab		47.1	29.2	747.0	Grab	2.88		143.0	31.8	5,568.3			
12/27/2020						Grab	2.96	2.3	81.5	22.9	2,439.7			
12/31/2019	Grab		33.7	32.2	982.9	Grab	3.71		80.3	31.0	9,274.3			
1/2/2020	Grab		94.3	42.3	1,823.7	Grab	3.61		141.0	30.5	10,557.9			
1/3/2020	Grab		32.6	25.8	803.4	Grab	7.13	2.7	126.0	28.6	6,654.7			
1/10/2020	Grab		45.3	55.5	331.5	Grab	4.13	11.0	64.6	51.6	1,566.9			
1/16/2020	Grab		30.8	35.3	1,574.4	Grab	5.13		121.0	42.0	18,157.2			
1/17/2020	Grab		44.6	39.7	1,359.3									
1/24/2020	Grab		35.2	31.1	896.1	Grab	4.82	13.0	103.0	24.6	6,936.8			
1/31/2020	Grab		33.3	26.2	735.5	Grab	4.75		108.0	24.3	6,146.1			
2/14/2020	Grab		31.5	38.3	148.2	Grab	7.34	6.2	46.3	35.9	428.2			
2/17/2020	Grab		24.1	53.1	124.9	Grab	4.62		44.6	32.7	415.4			
2/18/2020	Grab		51.5	43.0	1,084.0	Grab	4.43		65.0	47.4	8,831.1			
2/19/2020	Grab		82.3	43.3	1,771.4	Grab	4.95		104.0	45.7	15,841.0			
2/28/2020	Grab		28.9	32.6	130.0	Grab	4.65		90.3	79.6	1,082.9			
3/2/2020	Grab		57.4	46.1	275.2	Grab	3.43		67.6	39.9	860.1			
3/9/2020	Grab		32.1	29.1	237.0	Grab	3.27		51.8	26.3	1,009.9			
3/10/2020	Grab		32.9	20.6	685.9	Grab	3.81		58.1	24.7	5,572.8			
3/11/2020	Grab		31.4	29.4	1,305.6	Grab	4.14		79.3	34.1	15,048.3			
3/12/2020	Grab		29.1	25.7	1,874.6	Grab	4.3		103.0	33.1	17,548.0			
3/13/2020	Grab		36.3	29.4	1,379.1	Grab	4.15		111.0	25.0	14,046.3			
3/26/2020	Comp		28.5	31.8	1,124.3	Comp	7.29		115.0	53.5	14,580.8			
4/2/2020	Comp		41.2	39.9	1,921.8	Comp	4.35		182.0	47.1	22,322.5			
4/8/2020	Comp		47.3	58.3	820.2	Comp	3.78		100.0	23.9	4,257.4			
4/15/2020	grab		52.0	58.5	419.4	Grab	3.96		54.2	33.7	1,209.1			
4/22/2020	Comp		30.7	31.2	1,107.9	Comp	3.98		80.9	39.6	17,040.9			
5/1/2020	Comp		20.2	34.6	262.2	Comp	4.91		66.5	48.9	2,175.0			
5/8/2020						Comp	3.73		54.1	29.8	1,202.2			
5/15/2020	Grab		52.3	42.0	1,822.6	Grab	3.13		93.8	29.3	12,015.5		0.072	0.323
5/18/2020	Grab		80.5	31.0	5,175.3	Grab	3.42		80.4	35.4	5,353.3		0.211	0.262
5/29/2020	Comp		55.6	36.6	308.6	Comp	5.64		80.3	35.6	761.8			
6/10/2020						Grab	4.45		81.6	33.1	711.7			
6/16/2020						Comp	6.05		100.0	44.3	692.5			
7/1/2020	Comp		38.0	36.0	224.7	Comp	3.36		54.0	40.6	520.2			
7/6/2020													0.534	0.58
7/8/2020	Comp		45.8	41.0	274.0	Comp	4.09		58.4	59.6	635.7			

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	Sample Type	1,4 Dioxane ppb, µg/L	PFOA ppt	PFOS ppt	Total PFAS ppt	Sample Type	Flow MGD	1,4 Dioxane ppb	PFOA ppt	PFOS ppt	Total PFAS ppt	1,4 Dioxane ppb	PFOA ng/g	PFOS ng/g		
	7/30/2020	Comp	21.30	21.3	29.1	204.0	Comp	4.18		60.2	83.3	530.6				
8/3/2020													0.124	0		
8/7/2020	Comp		31.4	31.3	192.6	Comp	4.02		57.8	31.2	483.1					
8/18/2020	Comp		29.9	33.0	243.4	Comp	4.39		52.9	29.7	558.0					
9/18/2020	Comp		36.2	50.8	324.5	Comp	6.71		58.5	41.1	708.2					
9/23/2020	Comp		32.9	33.1	184.8	Comp	3.89		39.8	26.5	451.0					
10/9/2020	comp		39.9	35.5	261.3	comp	3.82		66.6	35.8	478.3					
10/26/2020	comp	12.30	34.2	37.5	226.8		3.6	13.9								
10/28/2020	comp		46.5	41.3	334.9	comp	4.12		51.7	27.3	390.5					
11/10/2020	comp	9.31	55.5	39.6	333.3	comp	4.24	5.75	57.2	26.5	554.5					
11/17/2020	comp	14.10	61.8	45.8	366.5	comp	4.96	7.02	46.1	34.7	360.3					
12/1/2020	comp	2.93	25.5	37.6	184.4	comp	8.82	2.72	33.3	40.0	283.6					
12/15/2020	comp	5.32	28.9	40.8	188.3	comp	9	3.55	43.1	45.0	342.1					
12/29/2020	comp	2.16	34.6	43.4	181.7	comp	3.91	<1.00	37.0	37.3	191.9					
1/12/2021	Comp	6.37	44.9	37.7	271.8	comp	5.02	6.40	48.7	37.2	297.2					
1/26/2021	Comp	7.95	45.3	24.5	229.3	comp	5.85	6.55	49.0	35.3	294.6					
2/9/2021	Comp	1.29	45.3	32.0	232.7	comp	5.59	<1.0	47.2	27.9	308.5					
Event #1 Round 1	2/23/2021					COMP	4.8	3.53	48.2	29.9	262.5					
Event #1 Round 2	3/9/2021					COMP	4.94	4.48	60.5	36.2	335.2					
Event #1 Round 3	3/23/2021					COMP	5.11	7.45	67.8	30.6	561.8					
											-					
Event #2 Round 1	5/11/2021	COMP		44.2	28.2	219.1	COMP	3.53		30.7	19.1	160.1				
Event #2 Round 2	6/8/2021	COMP		29.4	26.8	180.5	COMP	3.31		55.0	27.4	438.5				
	7/14/2021	COMP		33.4	37.4	269.4	COMP	3.82		40.7	37.9	416.7				
	8/9/2021	COMP		47.9	43.9	213.3	COMP	3.02		45.3	30.5	361.8				
	9/14/2021	COMP		39.9	34.0	237.1	COMP	3.39		51.2	39.7	555.2				
	10/12/2021	COMP		31.1	34.9	253.5	COMP	3.54		45.5	35.5	458.3				
	11/16/2021	COMP		30.9	32.7	280.1	COMP	3.35		40.4	27.0	434.3				
	12/7/2021	COMP		47.7	37.9	420.8	COMP	2.81		45.6	30.8	556.5				
	1/11/2022	COMP		30.3	20.9	233.1	COMP	3.84		57.5	20.2	474.5				
	2/22/2022	COMP		47.8	27.5	266.4	COMP	4.30		47.0	25.0	407.5				
	3/29/2022	COMP		42.1	36.9	264.0	COMP	4.40		43.1	30.5	302.7				
	4/7/2022	COMP		34.0	29.0	201.2	COMP	4.44		38.0	27.4	262.2				
	9/1/2022	COMP		51.4	31.7	396.8	COMP	3.83		55.7	37.4	456.8				
	12/9/2022	COMP		47.9	27.5	724.2	COMP	4.55		29.0	15.8	297.4				
	2/9/2023	COMP		39.0	35.0	447.8	COMP	4.44		47.0	27.0	390.6				
	5/10-5/13/20	3day CMP		88.0	73.0	710.4	3day CM	3.88		43.0	33.0	409.9				
NOTES:																
* a numeric 0 is used in lieu of ND to facilitate calculation of averages. J values are considered nondetect																
* 1,4-Dioxane expressed as ug/L																
* 1,4-Dioxane samples are grab																
* PFAS compounds expressed as ng/L																
* Zimpro running means startup or shutdown was X hours before sample taken. 26 hours prior means startup was 26 hours before sampling. Shut dn 55hr means Zimpro was shut down 55 hours prior to sampling.																
* Zimpro process taken out of service at end of April, 2020, and is shut down permanently.																
*Samples analyzed for targeted PFAS by a commercial lab by isotope dilution method prior to December 2022. Beginning December 2022 draft 1633 method utilized.																
*Data provided for informational purposes and not as certified results as there was not an EPA-approved Standard Method for PFAS analysis for wastewater at time of analysis.																