

T.Z. Osborne WWTP DEQ Special Study**1,4-Dioxane Effluent Data from October 2019 to December 2020**

Effluent Grab Samples		Effluent Weekly Composite Samples	
Date Sampled	µg/L	Date Sampled	µg/L
10/11/2019	45.0	10/11/2019	20.0
10/18/2019	33.0	10/18/2019	26.0
10/25/2019	25.0	10/25/2019	17.0
11/1/2019	17.0	11/1/2019	24.0
11/8/2019	26.0	11/8/2019	15.0
11/15/2019	42.0	11/15/2019	16.0
11/22/2019	11.0	11/22/2019	13.0
11/25/2019	16.0	11/27/2019	16.0
12/6/2019	14.0	12/6/2019	9.2
12/13/2019	25.0	12/13/2019	11.0
12/20/2019	92.0	12/20/2019	21.0
12/27/2019	43.0	12/27/2019	240.0
1/3/2020	26.0	1/3/2020	18.0
1/10/2020	31.0	1/10/2020	12.0
1/17/2020	35.0	1/17/2020	36.0
1/24/2020	6.5	1/24/2020	11.0
1/31/2020	18.0	1/31/2020	8.8
2/14/2020	24.0	2/14/2020	12.0
2/28/2020	24.0	2/28/2020	19.0
3/6/2020	17.0	3/6/2020	17.0
3/13/2020	20.0	3/13/2020	16.0
3/20/2020	80.0	3/20/2020	72.0
3/27/2020	30.0	3/27/2020	12.0
4/3/2020	81.0	4/3/2020	34.0
4/8/2020	14.0	4/8/2020	31.0
4/17/2020	22.0	4/17/2020	17.0
4/24/2020	17.0	4/24/2020	14.0
5/1/2020	9.4	5/1/2020	15.0
5/8/2020	12.0	5/8/2020	9.9
5/15/2020	9.2	5/15/2020	8.4
5/22/2020	7.0	5/22/2020	8.7
5/28/2020	5.2	5/29/2020	2.8
6/5/2020	21.0	6/5/2020	10.0
6/12/2020	7.1	6/12/2020	8.0
6/19/2020	6.7	6/19/2020	7.4
6/26/2020	4.2	6/26/2020	3.8
7/2/2020	8.1	7/2/2020	4.7
7/9/2020	3.0	7/9/2020	3.5
7/17/2020	13.0	7/17/2020	7.9
7/24/2020	27.0	7/24/2020	44.0
7/31/2020	7.5	7/31/2020	9.4
8/7/2020	14.0	8/7/2020	13.0
8/14/2020	33.0	8/14/2020	10.0
8/21/2020	9.1	8/21/2020	12.0
8/28/2020	16.0	8/28/2020	9.7
9/3/2020	18.0	9/3/2020	7.0
9/11/2020	16.0	9/11/2020	24.0
9/18/2020	40.0	9/18/2020	35.0
9/25/2020	25.0	9/25/2020	20.0
10/2/2020	6.3	10/2/2020	9.1
10/9/2020	73.0	10/9/2020	30.0
10/16/2020	21.0	10/16/2020	21.0
10/23/2020	82.0	10/23/2020	22.0
10/30/2020	31.0	10/30/2020	35.0
11/6/2020	12.0	11/6/2020	8.3
11/13/2020	11.0	11/13/2020	9.4
11/20/2020	17.0	11/20/2020	13.0
12/4/2020	12	12/4/2020	7.8
12/11/2020	9.7	12/11/2020	9.1
12/18/2020	6.3	12/18/2020	5.8

T.Z. Osborne WWTP Effluent Grab Samples**1,4-Dioxane Effluent Data from October 2019 to November 2020**

Effluent Grab Samples		Effluent Grab Samples		Effluent Grab Samples	
Date Sampled	µg/L	Date Sampled	µg/L	Date Sampled	µg/L
12/14/2017	26.3	1/3/2020	28.4	8/28/2020	13.1
1/11/2018	18.2	1/10/2020	34.4	9/3/2020	17.1
2/15/2018	26.65	1/17/2020	42.7	9/11/2020	17.1
3/8/2018	26.95	1/24/2020	12.8	9/18/2020	38.3
4/12/2018	20.95	1/29/2020	5.61	9/24/2020	16.93
5/2/2018	229	1/31/2020	12.5	9/25/2020	23
5/25/2018	41.5	2/7/2020	17.7	10/2/2020	5.43
5/30/2018	665	2/14/2020	19.75	10/9/2020	49.3
6/20/2018	16.7	2/19/2020	7.36	10/16/2020	18.75
7/25/2018	11.63	2/28/2020	15.45	10/23/2020	51.2
8/16/2018	408	3/6/2020	13.65	10/27/2020	12.95
9/26/2018	8.14	3/13/2020	15.9	10/30/2020	27.25
10/25/2018	24.97	3/20/2020	53	11/6/2020	12.85
11/16/2018	14.2	3/24/2020	8.97	11/13/2020	7.73
12/19/2018	9.93	3/27/2020	19.3	11/19/2020	13
1/10/2019	8.74	4/3/2020	41.15	11/20/2020	13.95
2/13/2019	11.05	4/8/2020	11.61		
3/14/2019	24.2	4/17/2020	15.5		
4/24/2019	397.5	4/21/2020	8.48		
5/22/2019	14.7	4/24/2020	16.1		
6/12/2019	62.6	5/1/2020	7.6		
7/8/2019	9.73	5/8/2020	12.85		
8/7/2019	957.5	5/12/2020	7.71		
8/20/2019	429.7	5/15/2020	8.96		
8/26/2019	17.5	5/22/2020	8.34		
9/17/2019	5.98	5/29/2020	1.63		
10/11/2019	40.8	6/5/2020	17.1		
10/15/2019	12.67	6/11/2020	3.66		
10/18/2019	32.35	6/12/2020	3.95		
10/25/2019	18.75	6/19/2020	5.24		
11/1/2019	15.8	6/26/2020	1.79		
11/8/2019	25.7	7/2/2020	7.48		
11/14/2019	15.6	7/9/2020	1.26		
11/15/2019	33.5	7/16/2020	5.47		
11/22/2019	10.42	7/17/2020	12.65		
11/27/2019	13.6	7/24/2020	25.55		
12/6/2019	14.9	7/31/2020	6.11		
12/13/2019	24.35	8/7/2020	12.5		
12/18/2019	8.44	8/13/2020	9.58		
12/20/2019	76.95	8/14/2020	21.5		
12/27/2019	39.6	8/21/2020	6.57		

Effluent Data Provided by the City of Greensboro
1,4-Dioxane Effluent Data from March 2015 to December 2020

Initial Source ID Study †		Sand Filter Effluent †	
Date Sampled	µg/L	Date Sampled	µg/L
3/24/2015	28.9	2/8/2016	4.35
3/25/2015	21.8	2/9/2016	21.55
3/26/2015	33.4	2/16/2016	3.7
3/27/2015	36.4	2/25/2016	4.7
3/31/2015	3	3/4/2016	15.9
4/1/2015	84.3	3/8/2016	3.5
4/2/2015	34	3/16/2016	3
5/13/2015	3	3/24/2016	3.15
5/14/2015	24.9	4/1/2016	68.8
5/15/2015	26.9	6/6/2016	24
5/18/2015	42.3	6/7/2016	4.45
6/9/2015	61.7	6/8/2016	5.05
6/10/2015	72.9	6/9/2016	6.5
6/11/2015	186	6/10/2016	6.25
6/12/2015	348	6/22/2016	6.8
6/16/2015	169	6/23/2016	6.35
6/17/2015	79.4	6/24/2016	8
6/18/2015	61.6	7/26/2016	41.85
6/19/2015	39	7/28/2016	33.25
9/29/2015	610	10/28/2016	22.1
9/30/2015	659	11/15/2016	21.1
10/1/2015	153	12/13/2016	22.05
10/2/2015	129	1/13/2017	27.5
		2/21/2017	8.1
		3/21/2017	17.7
		4/27/2017	12.4
		5/24/2017	3
		6/22/2017	5
		7/18/2017	18.725
		8/24/2017	5.95
		9/21/2017	349.5
		10/4/2017	16
		11/28/2017	3.1
		12/14/2017	24.25

† Stormwater method used for analysis

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Wastewater Effluent Pre SIU PT System Start-Up †		Wastewater Effluent Post SIU PT System Start-Up †	
Date Sampled	µg/L	Date Sampled	µg/L
*12/14/2017	26	2/7/2020	17.7
*1/11/2018	18.2	2/14/2020	19.75
*2/15/2018	26.65	*2/19/2020	7.36
*3/8/2018	26.95	2/28/2020	15.45
*4/12/2018	20.95	3/6/2020	13.65
*5/2/2018	229	3/13/2020	15.9
*5/25/2018	41.5	3/20/2020	53
*5/30/2018	665	*3/24/2020	8.97
*6/20/2018	16.7	3/27/2020	19.3
*7/25/2018	11.6	4/3/2020	41.15
*8/16/2018	408	4/8/2020	11.61
*9/26/2018	8.14	4/17/2020	15.5
*10/25/2018	24.97	*4/21/2020	8.48
*11/16/2018	14.2	4/24/2020	16.1
*12/19/2018	9.9	5/1/2020	7.6
*1/10/2019	8.735	5/8/2020	12.85
*2/13/2019	11.05	*5/12/2020	7.71
*3/14/2019	24.2	5/15/2020	8.96
*4/24/2019	397.5	5/22/2020	8.34
*5/22/2019	14.7	5/29/2020	1.63
*6/12/2019	62.6	6/5/2020	17.1
*7/8/2019	9.7	*6/11/2020	3.66
*8/7/2019	957.5	6/12/2020	5
*8/20/2019	429.7	6/19/2020	5.24
*8/26/2019	17.5	6/26/2020	2.6
*9/17/2019	5.98	7/2/2020	7.48
10/11/2019	40.8	7/9/2020	1.3
*10/15/2019	12.67	*7/16/2020	5.47
10/18/2019	32.4	7/17/2020	12.65
10/25/2019	18.8	7/24/2020	25.6
11/1/2019	15.8	7/31/2020	6.1
11/8/2019	25.7	8/7/2020	12.5
*11/14/2019	15.6	*8/13/2020	9.58
11/15/2019	33.5	8/14/2020	21.5
11/22/2019	10.4	8/21/2020	6.57
11/27/2019	13.6	8/28/2020	13.1
12/6/2019	14.9	9/3/2020	17.1
12/13/2019	24.35	9/11/2020	17.1
*12/18/2019	8.4	9/18/2020	38.25
12/20/2019	76.95	*9/24/2020	16.93
12/27/2019	39.6	9/25/2020	22.95
1/3/2020	28.4	10/2/2020	5.43
1/10/2020	34.35	10/9/2020	49.3
1/17/2020	42.7	10/16/2020	18.75
1/24/2020	6.42	10/23/2020	51.2
*1/29/2020	5.61	*10/27/2020	12.95
1/31/2020	12.45	10/30/2020	27.25
		11/6/2020	12.85
		11/13/2020	7.73
		*11/19/2020	13
		11/20/2020	14
		12/4/2020	11.2

† EPA approved wastewater method used for analysis

* Sample taken by City for eDMR; All other samples are split samples from

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* Sample taken by City for eDMR; All other samples are split samples