

Outfall 001

Parameter	Flow	Flow	BOD5	BOD5	BOD5	BOD5	BOD5	BOD5
	Monthly Ave	Daily Max	Monthly Ave	Monthly Ave	Weekly Ave	Weekly Ave	Daily Max	Daily Max
Units	MGD	MGD	lb/d	mg/L	lb/d	mg/L	lb/d	mg/L
Effluent Limit	Report	Report	275	30	413	45	460	50
Minimum	0.398	0.535	25.5	5	29	5.5	29.7	6
Maximum	1.162	1.917	363	54	611	88.5	734.1	114
Median	0.7255	0.919	92	14.4	110.35	17.5	129.3	20
No. of Violations	N/A	N/A	2	5	4	4	5	5
1/31/2019	0.75	1.097	199	31	259	40	320	43
2/28/2019	0.699	0.802	152	26	160	27	177	32
3/31/2019	0.704	0.826	145	27	158	30	174	35
4/30/2019	0.701	1.283	177	30	196	30	312	41
5/31/2019	0.701	0.911	150	25	274	36	240	40
6/30/2019	0.572	0.819	104	24	149	29	151	41
7/31/2019	0.618	0.733	95	19	106	22	174	36
8/31/2019	0.398	0.603	121	38	230	52	339	76
9/30/2019	0.437	0.615	34	11	42	12	51	12
10/31/2019	0.462	0.652	33	10	40	10	42	14
11/30/2019	0.437	0.666	52	15	67	22	74	25
12/31/2019	0.712	1.082	83	14	112	16	117	17
1/31/2020	0.719	0.851	78	14	99	18	100	18
2/29/2020	0.717	1.092	104	19	128	22	128	22
3/31/2020	0.692	0.876	63	13.3	82.3	15.5	83.9	16
4/30/2020	0.521	1.087	50	11	51	15	73	15
5/31/2020	0.685	0.969	51	10	62	12	66	12
6/30/2020	0.536	0.732	34.3	7.1	54	11	70	12
7/31/2020	0.587	0.742	25.5	5.2	29	6	29.7	6
8/31/2020	0.556	0.697	31.6	7	35.1	8.5	42.6	10
9/30/2020	0.507	0.706	43.6	9.7	58.5	12	69.4	14
10/31/2020	0.449	0.535	25.6	6.4	35.1	7.5	31.8	8
11/30/2020	0.644	0.763	26.8	5	31	5.5	37.8	7
12/31/2020	0.874	1.381	46.6	5.7	43.5	6.5	59.8	7
1/31/2021	0.839	0.914	60.8	8.8	68.6	10	74.8	11
2/28/2021	0.775	0.87	97.6	14.8	118.3	17	130.6	18
3/31/2021	0.77	0.899	114.3	17.1	124.9	18	136.1	21
4/30/2021	0.837	0.932	103.2	15.4	127.8	20	148	24
5/31/2021	0.749	1.004	60	9.3	76.6	11	75.4	11
6/30/2021	0.681	0.821	50	8.4	58.4	9	75.3	11

Outfall 001

Parameter	Flow	Flow	BOD5	BOD5	BOD5	BOD5	BOD5	BOD5
	Monthly Ave	Daily Max	Monthly Ave	Monthly Ave	Weekly Ave	Weekly Ave	Daily Max	Daily Max
Units	MGD	MGD	lb/d	mg/L	lb/d	mg/L	lb/d	mg/L
Effluent Limit	Report	Report	275	30	413	45	460	50
7/31/2021	0.995	1.564	69.3	8.2	107.8	11	108.4	11
8/31/2021	0.876	1.089	37.2	5.3	44.5	5.5	54.5	6
9/30/2021	0.969	1.344	42.4	5.4	59	6.5	61.2	7
10/31/2021	0.843	1.041	37.1	5.3	41	6	45.5	7
11/30/2021	0.901	1.056	61	8.3	77.1	11	90.2	13
12/31/2021	0.881	0.971	89.6	12.2	90.7	12.5	136.8	19
1/31/2022	0.706	1.041	125.7	18	150.9	20.5	161.8	22
2/28/2022	0.924	1.166	157.1	20.4	181.7	23.5	210.8	35
3/31/2022	0.937	1.025	156.7	20.2	195.8	25	210.9	28
4/30/2022	0.732	0.964	110.9	18.4	179.8	23.5	148.7	23
5/31/2022	0.687	0.859	80.1	13.8	94.4	15	100.6	16
6/30/2022	0.659	0.871	54.6	9.4	63.4	11	72.6	11
7/31/2022	0.597	0.782	60	11.9	72.4	16	77.8	17
8/31/2022	0.543	0.724	64	13.9	80.8	16	100.5	22
9/30/2022	0.683	0.921	110.4	18.2	134.5	21.5	166.6	25
10/31/2022	0.771	0.906	108.1	16.5	138.8	21	192	29
11/30/2022	0.719	0.815	94.4	15.8	111.6	18.5	151	25
12/31/2022	0.778	0.89	283.6	44.1	490	74	506.8	78
1/31/2023	0.849	0.917	261.5	37.3	446.2	64	547.8	80
2/28/2023	0.815	0.855	172	25.6	177.9	26.5	293.5	46
3/31/2023	0.865	1.14	363	54	611	88.5	720.7	114
4/30/2023	0.862	1.257	118.9	16.8	146.6	20	173.2	23
5/31/2023	0.736	1.233	108.3	18	147.6	22	167.7	23
6/30/2023	0.798	1.868	184.1	22.8	163.5	21.5	503.7	47
7/31/2023	1.162	1.777	203.6	19.3	429.2	36.5	734.1	61
8/31/2023	0.898	1.01	86	11.1	91.1	11.5	119	15
9/30/2023	1.099	1.917	107.4	10.9	123.5	13.5	143.9	17
10/31/2023	0.873	1.083	113.5	15.4	151.3	18.5	181.1	22
11/30/2023	0.847	1.008	131.4	19	176.5	27	203.1	27
12/31/2023	1.138	1.903	72.7	7.1	109.1	13.5	115.2	9

Outfall 001

Parameter	BOD5	TSS	TSS	TSS	TSS	TSS	TSS	TSS
	Monthly Ave Min	Monthly Ave	Monthly Ave	Weekly Ave	Weekly Ave	Daily Max	Daily Max	Monthly Ave Min
Units	%	lb/d	mg/L	lb/d	mg/L	lb/d	mg/L	%
Effluent Limit	85	275	30	413	45	460	50	85
Minimum	71	28.9	6.4	31.3	7.5	37.8	3	65
Maximum	98	407.9	60.4	846.6	122.5	986.8	132	98
Median	95	84.15	13.75	112.7	17.25	124.85	19	95
No. of Violations	3	1	1	2	2	2	2	1
1/31/2019	87	160	25	222	33	225	33	90
2/28/2019	89	134	23	158	28	171	29	91
3/31/2019	90	143	26	158	28	168	34	88
4/30/2019	86	142	25	148	31	198	3	86
5/31/2019	89	140	24	198	26	198	30	89
6/30/2019	90	71	16	117	25	107	32	93
7/31/2019	93	76	15	83	17	92	18	95
8/31/2019	88	36	11	69	16	67	16	97
9/30/2019	97	36	11	44	19	64	15	97
10/31/2019	97	33	9	48	12	60	15	97
11/30/2019	95	40	12	55	15	57	19	96
12/31/2019	94	81	13	118	17	127	19	95
1/31/2020	95	66	12	73	14	96	16	95
2/29/2020	93	102	18	121	21	126	23	93
3/31/2020	95	66.4	15.1	89.9	17.5	95.9	19	92
4/30/2020	95	58	13	64	18	87	20	93
5/31/2020	95	47	10	55	11	61	13	96
6/30/2020	98	40.5	8.6	54.3	12	61.6	13	97
7/31/2020	98	38.3	7.6	67	14	72.4	15	98
8/31/2020	98	33.1	7.1	54.5	10	71.6	13	98
9/30/2020	97	39.7	8.8	56.1	12.5	72	17	98
10/31/2020	98	28.9	7.3	31.3	7.5	37.8	9	98
11/30/2020	98	48.2	9.1	61.7	12.5	64.3	13	97
12/31/2020	98	62.1	8.6	65.7	10	128.1	15	96
1/31/2021	97	89.2	12.8	112.2	14.5	110.5	15	95
2/28/2021	94	109.1	16.5	132.8	19	159.6	22	93
3/31/2021	93	106.1	15.9	117.6	17	132.7	20	94
4/30/2021	95	111.1	16.7	154.6	24	157.6	27	93
5/31/2021	96	83.9	13.1	104.6	16	117.2	16	95
6/30/2021	97	59.8	10.2	81.7	14.5	105.9	19	97

Outfall 001

Parameter	BOD5	TSS	TSS	TSS	TSS	TSS	TSS	TSS
	Monthly Ave Min	Monthly Ave	Monthly Ave	Weekly Ave	Weekly Ave	Daily Max	Daily Max	Monthly Ave Min
Units	%	lb/d	mg/L	lb/d	mg/L	lb/d	mg/L	%
Effluent Limit	85	275	30	413	45	460	50	85
7/31/2021	95	89.8	11.6	100.4	14	123.7	18	95
8/31/2021	97	54.7	8.1	67.3	11.5	96.5	13	97
9/30/2021	98	49.7	6.4	58.1	8	77.7	11	98
10/31/2021	98	62.2	8.8	72.7	10.5	80.4	11	97
11/30/2021	97	72.9	9.9	84.5	12	102.3	13	96
12/31/2021	96	94.9	13	111.7	15.5	141.7	19	96
1/31/2022	93	111.2	15.9	121	18	129.9	18	94
2/28/2022	92	104.4	18.4	153	20	188.8	23	92
3/31/2022	92	119.7	15.6	173.2	22	180.7	22	94
4/30/2022	93	82	13.6	137.9	18	100	17	95
5/31/2022	96	80.6	13.9	85.2	15.5	95.5	17	96
6/30/2022	96	62.8	10.8	86.5	14	109	15	96
7/31/2022	96	67.7	13.3	82.2	17	92.6	18	95
8/31/2022	95	70.6	15.2	83.7	18.5	105.1	23	95
9/30/2022	94	95.1	15.7	127.8	22.5	153.6	25	95
10/31/2022	95	101.3	15.5	118.2	18	139.9	21	95
11/30/2022	95	84.4	14.2	106.9	18	133.9	23	95
12/31/2022	83	113	17.6	192.8	29	223.2	33	93
1/31/2023	81	180.6	25.7	214.9	30.5	239.6	35	88
2/28/2023	89	142.4	21.1	172.9	24.5	202.7	29	90
3/31/2023	71	407.9	60.4	846.6	122.5	934.6	132	65
4/30/2023	92	101	14.4	124.9	19	145.8	22	94
5/31/2023	93	73.3	11.4	121	13.5	123.5	14	95
6/30/2023	92	147.7	19.2	181.1	29	332.2	41	93
7/31/2023	90	231.2	21.6	560.7	47.5	986.8	82	90
8/31/2023	95	95.6	12.3	113.2	15	150.7	19	96
9/30/2023	95	120.7	12.4	174.4	16	200.1	18	95
10/31/2023	94	138.9	18.8	188.3	23	246.9	30	94
11/30/2023	93	144.8	21.1	162.5	25	180.5	29	93
12/31/2023	97	150.4	14.8	171.7	17.5	196.6	19	93

Outfall 001

Parameter	pH	pH	E. coli	E. coli	TRC	TRC	TP	Aluminum
	Minimum	Maximum	Monthly Geometric Mean	Daily Max	Monthly Ave	Daily Max	Monthly Ave	Monthly Ave
Units	SU	SU	CFU/100mL	CFU/100mL	mg/L	mg/L	mg/L	ug/L
Effluent Limit	6	8	126	406	1	1	Report	Report
Minimum	6.02	6.66	1	1	0.41	0.62	0.08	0
Maximum	7.08	7.59	36.7	2419.6	0.77	1.24	4.5	5000
Median	6.535	6.99	3.1	24.35	0.605	0.91	0.345	180
No. of Violations	0	0	0	5	0	2	N/A	N/A
1/31/2019	6.96	7.38	2	13.4	0.77	1	1.1	
2/28/2019	7.01	7.3	3.2	14.4	0.71	0.97	3	
3/31/2019	7.08	7.27	1.5	6.3	0.62	0.95	2.6	960
4/30/2019	6.94	7.2	4	130.9	0.6	0.95	2	
5/31/2019	6.88	7.15	1.2	3	0.72	0.93	0.58	
6/30/2019	6.61	7.18	1.1	2	0.72	0.94	0.58	220
7/31/2019	6.75	7.53	1.5	13.2	0.63	0.85	0.13	
8/31/2019	6.85	7.25	3.1	18.1	0.55	1.24	0.18	
9/30/2019	6.91	7.13	3.2	74.3	0.57	0.96	0.08	140
10/31/2019	6.64	7.05	6.3	272.3	0.61	0.84	0.27	
11/30/2019	6.71	7.08	1.3	4.1	0.71	0.97	0.19	
12/31/2019	6.66	7.05	1	1	0.76	0.97	0.18	170
1/31/2020	6.42	6.91	1.6	58.8	0.64	0.89	0.26	
2/29/2020	6.48	7.03	4.2	57.8	0.65	0.91	0.25	
3/31/2020	6.45	6.92	2.5	9.8	0.58	0.95	0.22	110
4/30/2020	6.48	6.94	3.5	13.5	0.65	0.99	0.38	
5/31/2020	6.73	7.12	4	39.3	0.53	1	0.26	
6/30/2020	6.42	6.98	5.2	48.9	0.55	0.94	0.74	210
7/31/2020	6.82	7.12	7.1	14.5	0.51	0.7	0.16	
8/31/2020	6.67	7.24	27.2	396.8	0.46	0.62	0.21	
9/30/2020	6.83	7.29	17	378.4	0.58	0.81	0.29	180
10/31/2020	6.66	6.96	11.1	49.5	0.55	0.73	0.17	
11/30/2020	6.71	6.98	8.4	24.9	0.61	0.91	0.17	
12/31/2020	6.38	6.98	3.1	15.6	0.55	0.75	0.17	110
1/31/2021	6.55	6.94	1.5	3.1	0.63	0.98	0.2	
2/28/2021	6.79	6.98	4.2	78.4	0.62	0.94	0.13	
3/31/2021	6.52	6.87	2	12	0.7	0.92	0.29	240
4/30/2021	6.69	6.97	4.1	466	0.63	0.81	0.48	
5/31/2021	6.4	7	2.7	14.5	0.49	0.83	0.23	
6/30/2021	6.66	7.11	7.3	19.9	0.49	0.72	0.19	170

Outfall 001

Parameter	pH	pH	E. coli	E. coli	TRC	TRC	TP	Aluminum
	Minimum	Maximum	Monthly Geometric Mean	Daily Max	Monthly Ave	Daily Max	Monthly Ave	Monthly Ave
Units	SU	SU	CFU/100mL	CFU/100mL	mg/L	mg/L	mg/L	ug/L
Effluent Limit	6	8	126	406	1	1	Report	Report
7/31/2021	6.72	7.03	5.7	39.9	0.54	0.76	3.2	
8/31/2021	6.73	7.07	13.6	38.3	0.49	0.83	3.2	
9/30/2021	6.64	6.98	12.5	81.6	0.51	0.81	0.17	0
10/31/2021	6.3	7.07	36.7	64.5	0.52	0.71	1.4	
11/30/2021	6.48	6.93	10.2	185	0.62	0.9	0.26	
12/31/2021	6.6	7.02	5.4	61.8	0.66	0.97	1.4	0
1/31/2022	6.28	6.82	1.8	19.7	0.71	0.98	0.36	
2/28/2022	6.42	6.77	2.1	5.2	0.67	0.86	0.35	
3/31/2022	6.34	6.83	2.7	7.4	0.61	0.71	0.38	300
4/30/2022	6.25	6.8	2.6	27.2	0.63	0.9	0.33	
5/31/2022	6.3	6.71	1.9	15.6	0.58	0.81	0.3	
6/30/2022	6.46	6.83	3.2	14.4	0.53	0.78	0.24	180
7/31/2022	6.15	6.89	1.9	178	0.48	1.1	0.19	
8/31/2022	6.27	6.92	1.3	4.1	0.51	0.79	2.2	
9/30/2022	6.09	7.43	4	16.1	0.41	0.76	1.7	400
10/31/2022	6.58	7.14	2.9	66.3	0.49	0.99	2.3	
11/30/2022	6.65	7.09	1.3	14.1	0.5	0.88	1.8	
12/31/2022	6.3	7.06	1.8	6.3	0.58	0.98	1.2	93
1/31/2023	6.48	7.09	4.7	2419.6	0.67	0.96	4.5	
2/28/2023	6.6	6.96	2.1	168.6	0.64	0.95	0.71	
3/31/2023	6.55	6.9	10.8	1011.2	0.69	0.98	2.4	2600
4/30/2023	6.34	6.88	1.9	95.9	0.65	1	0.34	
5/31/2023	6.32	6.79	3	2419.6	0.64	0.86	0.33	
6/30/2023	6.08	7.59	17.1	2419.6	0.59	0.96	0.51	5000
7/31/2023	6.02	6.8	1.5	6.3	0.53	0.89	1.1	
8/31/2023	6.43	6.88	3.3	121.1	0.58	0.77	0.29	
9/30/2023	6.23	6.95	25.3	172.3	0.54	0.96	3.5	84
10/31/2023	6.44	6.82	1.7	23.8	0.69	0.89	4.4	
11/30/2023	6.36	7.13	1.1	2	0.62	0.95	1.3	
12/31/2023	6.32	6.66	2.6	17.7	0.55	0.76	0.36	410

Outfall 001

Parameter	Arsenic, total recoverable
	Monthly Ave
Units	mg/L
Effluent Limit	Report
Minimum	0
Maximum	0.0015
Median	Non-Detect
No. of Violations	N/A
1/31/2019	0.0011
2/28/2019	< .001
3/31/2019	< .001
4/30/2019	< .001
5/31/2019	< .001
6/30/2019	< .001
7/31/2019	< .001
8/31/2019	< .001
9/30/2019	< .001
10/31/2019	< .001
11/30/2019	< .001
12/31/2019	< .001
1/31/2020	< .001
2/29/2020	< .001
3/31/2020	< .001
4/30/2020	< .001
5/31/2020	< .001
6/30/2020	< .001
7/31/2020	< .001
8/31/2020	< .001
9/30/2020	< .001
10/31/2020	< .001
11/30/2020	< .001
12/31/2020	< .001
1/31/2021	< .001
2/28/2021	< .001
3/31/2021	< .001
4/30/2021	< .001
5/31/2021	< .001
6/30/2021	< .001

Outfall 001

Parameter	Arsenic, total recoverable
	Monthly Ave
Units	mg/L
Effluent Limit	Report
7/31/2021	< .001
8/31/2021	0.00086
9/30/2021	0.00084
10/31/2021	0.00097
11/30/2021	0.00059
12/31/2021	0.00081
1/31/2022	0.00053
2/28/2022	0.00059
3/31/2022	0.00054
4/30/2022	0.00053
5/31/2022	< .0005
6/30/2022	0.00055
7/31/2022	0.00059
8/31/2022	0.00099
9/30/2022	0.001
10/31/2022	0.00062
11/30/2022	0.00078
12/31/2022	0.00076
1/31/2023	0.001
2/28/2023	0.00067
3/31/2023	0.00077
4/30/2023	0.00065
5/31/2023	0.00092
6/30/2023	0.00076
7/31/2023	0.00094
8/31/2023	0.00097
9/30/2023	0.0015
10/31/2023	0.001
11/30/2023	0.00094
12/31/2023	0.00059

WET Effluent

Parameter	LC50 Acute Ceriodaphnia	LC50 Acute Pimephales	Ammonia	Aluminum	Cadmium	Copper	Lead
	Daily Min	Daily Min	Daily Max	Daily Max	Daily Max	Daily Max	Daily Max
Units	%	%	mg/L	mg/L	mg/L	mg/L	mg/L
Effluent Limit	50	50	Report	Report	Report	Report	Report
Minimum	100	68.2	0	0.032	No Data	0.0024	0
Maximum	100	100	28	1.03	No Data	0.013	0.0023
Median	100	100	3.15	0.28	No Data	0.004555	0
No. of Violations	0	0	N/A	N/A	N/A	N/A	N/A
6/30/2019	100	68.2	28	1.03	0	0.013	0.0004
9/30/2019	100	100	0.25	0.26	0	0.0058	0.0023
6/30/2020	100	100	0.83	0.28	0	0.0044	0
9/30/2020	100	100	0	0.19	0	0.012	0.0003
6/30/2021	100	100	5.44	0.443	0	0.00471	0
9/30/2021	100	100	0.33	0.032	0	0.0026	0
6/30/2022	100	100	3.9	0.28	0	0.0037	0
9/30/2022	100	100	2.4	0.28	0	0.0033	0
6/30/2023	100	100	6.7	0.34	0	0.0052	0
9/30/2023	100	100	8.5	0.34	0	0.0024	0

WET Effluent

Parameter	Nickel	Zinc	Hardness
	Daily Max	Daily Max	Daily Max
Units	mg/L	mg/L	mg/L
Effluent Limit	Report	Report	Report
Minimum	0.005	0.028	49
Maximum	0.0098	0.11	110
Median	0.006615	0.045	85.5
No. of Violations	N/A	N/A	N/A
6/30/2019	0.0086	0.028	49
9/30/2019	0.0098	0.055	85
6/30/2020	0.005	0.048	110
9/30/2020	0.0094	0.11	93
6/30/2021	0.00653	0.0339	108
9/30/2021	0.0067	0.033	88
6/30/2022	0.0057	0.042	81
9/30/2022	0.0075	0.059	86
6/30/2023	0.0059	0.031	49
9/30/2023	0.0065	0.061	49

WET Ambient

Parameter	pH	Ammonia	Aluminum	Cadmium	Copper	Lead	Nickel	Zinc
	Daily Max	Daily Max	Daily Max	Daily Max	Daily Max	Daily Max	Daily Max	Daily Max
Units	S.U.	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Effluent Limit	Report	Report	Report	Report	Report	Report	Report	Report
Minimum	6.82	0	0.021	No Data	0	0	0	0
Maximum	7.45	0.31	0.61	No Data	0.0016	0.0008	0.001	0.014
Median	6.975	Non-Detect	0.1375	No Data	0.000753	Non-Detect	Non-Detect	0.0014
6/30/2019	6.82	<0.1	0.61	<0.0001	0.0013	0.0008	<0.001	0.0065
9/30/2019	7.03	<0.1	0.17	<0.0001	0.0012	0.0003	<0.0005	0.0052
6/30/2020	6.93	<0.1	0.13	<0.0003	0.0016	<0.0003	0.001	0.014
9/30/2020	7.45	<0.1	0.034	<0.0001	0.0009	<0.0002	<0.001	0.0028
6/30/2021	6.91	<0.1	0.145	<0.0001	0.000606	<0.0002	0.000927	0.0041
9/30/2021	7.02	0.17	0.16	<0.0001	0.001	<0.0001	<0.00063	<0.0028
6/30/2022		0.076	0.13	<0.0005	<0.002	<0.005	<0.005	<0.005
9/30/2022		<0.5	0.021		<0.002	<0.0005	<0.005	<0.005
6/30/2023		0.08	0.36		<0.002	0.0005	<0.005	<0.005
9/30/2023		0.31	0.1		<0.002	<0.0005	<0.005	<0.005

WET Ambient

Parameter	Hardness
	Daily Max
Units	mg/L
Effluent Limit	Report
Minimum	7.2
Maximum	17
Median	10
6/30/2019	7.2
9/30/2019	10
6/30/2020	9.6
9/30/2020	17
6/30/2021	10.6
9/30/2021	9.8
6/30/2022	10
9/30/2022	16
6/30/2023	8
9/30/2023	13

Ambient Phosphorus

Parameter	Total Phosphorus
Units	mg/L
Site	Station 15J-MER (0.5 miles upstream)
Minimum	0.017
Maximum	0.037
Median	0.019
7/27/2010	0.017
9/21/2010	0.037
5/17/2012	0.019