

Outfall 001

Parameter	Flow	Flow	Flow	Flow, process wastewater	Flow, process wastewater	Flow, process wastewater	BOD5	BOD5
	Monthly Ave	Weekly Ave	Daily Max	Monthly Ave	Weekly Ave	Daily Max	Monthly Ave	Monthly Ave
Units	MGD	MGD	MGD	MGD	MGD	MGD	lb/d	mg/L
Effluent Limit	5	Report	Report	Report	Report	Report	1199	Report
Minimum	1.43	1.543	1.822	0.415	0.444	0.672	73	4.6
Maximum	2.016	2.433	3.958	0.808	0.842	1.182	310	20.3
Median	1.753	1.8295	2.1315	0.636	0.684	0.8525	136.5	9.1
No. of Violations	0	N/A	N/A	N/A	N/A	N/A	0	N/A
1/31/2019	1.896	1.992	3.005	0.567	0.609	0.727	270	15.7
2/28/2019	1.793	1.826	2.104	0.551	0.561	0.957	167	10.8
3/31/2019	1.85	1.912	2.096	0.626	0.718	0.831	113	7.3
4/30/2019	1.985	2.005	2.368	0.684	0.695	0.801	280	16.8
5/31/2019	1.966	2.098	2.297	0.71	0.75	0.853	171	10
6/30/2019	1.844	1.954	2.28	0.744	0.838	1.052	123	7.8
7/31/2019	1.729	1.796	2.293	0.719	0.776	0.973	124	8.3
8/31/2019	1.661	1.747	2.069	0.745	0.782	0.964	117	8.2
9/30/2019	1.53	1.569	1.853	0.633	0.656	0.967	77	5.9
10/31/2019	1.55	1.598	1.837	0.633	0.655	0.878	78	6
11/30/2019	1.577	1.637	1.952	0.651	0.738	0.9	96	7.1
12/31/2019	1.802	1.973	2.24	0.687	0.814	0.894	159	10.5
1/31/2020	1.749	1.812	2.126	0.628	0.651	0.801	224	15.3
2/29/2020	1.792	1.876	2.099	0.693	0.782	1.022	179	11.8
3/31/2020	1.816	1.904	2.062	0.727	0.802	0.915	128.4	8.3
4/30/2020	1.855	1.927	2.175	0.621	0.702	0.787	73	4.6
5/31/2020	1.744	1.836	2.09	0.64	0.699	0.978	108	7.4
6/30/2020	1.746	1.795	2.015	0.757	0.782	1.006	84	5.7
7/31/2020	1.725	1.759	2	0.784	0.828	0.985	118	8
8/31/2020	1.699	1.747	1.952	0.794	0.832	1.011	115	8
9/30/2020	1.529	1.547	1.822	0.621	0.661	0.843	126	9.6
10/31/2020	1.43	1.558	2.019	0.557	0.603	0.862	108	8.6
11/30/2020	1.488	1.543	1.994	0.586	0.658	0.853	136	10.6
12/31/2020	1.692	1.689	2.139	0.623	0.681	0.852	291	20.1
1/31/2021	1.684	1.761	2.069	0.564	0.639	0.747	200	14.2
2/28/2021	1.667	1.712	1.981	0.637	0.667	0.713	178	12.6
3/31/2021	1.747	1.77	1.987	0.644	0.675	0.833	221	15
4/30/2021	1.771	1.804	2.319	0.666	0.706	0.839	163	10.9
5/31/2021	1.833	1.938	2.195	0.674	0.725	0.915	137	8.9
6/30/2021	1.779	1.894	2.184	0.759	0.798	1.149	118	7.8

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	Monthly Ave	Weekly Ave	Daily Max	Monthly Ave	Weekly Ave	Daily Max	Monthly Ave	Monthly Ave
Units	MGD	MGD	MGD	MGD	MGD	MGD	lb/d	mg/L
Effluent Limit	5	Report	Report	Report	Report	Report	1199	Report
7/31/2021	1.976	2.122	2.391	0.741	0.842	1.142	141	8.2
8/31/2021	1.847	1.9	2.185	0.744	0.809	0.907	92	5.9
9/30/2021	1.937	1.973	2.646	0.748	0.79	0.986	161	9.4
10/31/2021	1.738	1.892	2.137	0.694	0.756	0.906	130	8.6
11/30/2021	1.757	1.859	2.182	0.638	0.689	0.772	186	12.2
12/31/2021	1.764	1.788	1.981	0.647	0.679	0.784	124	8.3
1/31/2022	1.768	1.855	2.251	0.641	0.687	0.809	280	18.4
2/28/2022	1.809	1.866	2.492	0.56	0.594	0.767	234	15
3/31/2022	1.809	1.833	2.031	0.603	0.615	0.736	310	20.3
4/30/2022	1.932	2.034	2.256	0.648	0.732	0.913	302	18.4
5/31/2022	1.78	1.865	1.984	0.633	0.648	0.793	136	9
6/30/2022	1.775	1.85	1.974	0.695	0.719	0.87	151	10.2
7/31/2022	1.627	1.737	2.073	0.685	0.78	1.007	114	8.3
8/31/2022	1.73	1.758	2.108	0.808	0.821	1.182	156	10.7
9/30/2022	1.684	1.759	2.107	0.695	0.838	1.012	112	7.7
10/31/2022	1.639	1.675	2.098	0.635	0.71	0.886	108	7.8
11/30/2022	1.636	1.656	2.062	0.566	0.603	0.793	117	8.2
12/31/2022	1.645	1.764	2.222	0.456	0.536	0.734	96	6.7
1/31/2023	1.864	2.119	2.44	0.505	0.595	0.741	164	10.6
2/28/2023	1.745	1.974	2.279	0.532	0.575	0.719	182	12.2
3/31/2023	1.956	2.024	2.349	0.521	0.537	0.683	285	17
4/30/2023	1.828	2.091	2.318	0.513	0.581	0.876	244	15.3
5/31/2023	1.886	2.115	2.385	0.471	0.54	0.705	205	12.4
6/30/2023	1.727	1.788	2.46	0.519	0.527	0.794	144	9.2
7/31/2023	2.016	2.271	2.965	0.516	0.605	0.794	217	12.2
8/31/2023	1.694	1.78	2.157	0.479	0.501	0.752	92	6.4
9/30/2023	1.657	1.719	2.427	0.415	0.444	0.737	117	8
10/31/2023	1.675	1.709	1.979	0.477	0.566	0.786	111	7.8
11/30/2023	1.474	1.599	1.943	0.435	0.521	0.672	99	7.8
12/31/2023	1.908	2.433	3.958	0.461	0.57	0.771	254	13.6

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Parameter	BOD5	BOD5	BOD5	BOD5	BOD5	TSS	TSS	TSS
	Weekly Ave	Weekly Ave	Daily Max	Daily Max	Monthly Ave Min	Monthly Ave	Monthly Ave	Weekly Ave
Units	lb/d	mg/L	lb/d	mg/L	%	lb/d	mg/L	lb/d
Effluent Limit	Report	Report	2581	Report	85	1473	Report	Report
Minimum	81	5.1	106	6	93	29	2.2	44
Maximum	691	44.3	1234	70.6	98	301	21	600
Median	195	12.95	294.5	18.45	97	112.5	7.65	162.5
No. of Violations	N/A	N/A	0	N/A	0	0	N/A	N/A
1/31/2019	642	34	1234	49.2	94	176	10.5	353
2/28/2019	275	18	627	40.6	96	110	7.1	173
3/31/2019	124	8.3	442	28.1	97	91	5.8	100
4/30/2019	408	25.7	565	35.6	94	195	11.7	292
5/31/2019	298	16.8	385	21.1	96	118	7	206
6/30/2019	164	10	224	15.8	98	128	8	158
7/31/2019	230	15.3	274	17.4	97	81	5.3	155
8/31/2019	153	10.8	231	15.3	97	76	5.5	114
9/30/2019	110	8.2	169	12	98	29	2.2	44
10/31/2019	81	6.4	151	10.9	98	35	2.6	52
11/30/2019	122	8.5	144	10.2	98	65	4.7	116
12/31/2019	218	14.6	367	26.5	97	141	9.2	155
1/31/2020	429	27.7	525	33	95	152	10.4	237
2/29/2020	273	17.6	373	21.6	96	152	10	249
3/31/2020	175.8	11.4	201.1	12.4	97	107.6	7	164.2
4/30/2020	83	5.1	106	6	98	48	3	74
5/31/2020	206	14.2	320	20.3	98	102	7.4	197
6/30/2020	106	7.5	135	9.2	98	63	4.2	107
7/31/2020	195	12.9	284	18.1	98	105	7.1	174
8/31/2020	130	9	178	12.8	98	111	7.7	123
9/30/2020	186	14	236	17.8	97	107	8.1	162
10/31/2020	118	9	180	14.3	98	95	7.6	107
11/30/2020	132	10.7	265	15.9	97	150	11.7	159
12/31/2020	396	27.4	788	51.7	94	301	21	471
1/31/2021	515	33.5	812	56.2	95	177	12.5	441
2/28/2021	278	19.6	325	22.4	97	146	10.4	229
3/31/2021	376	25	486	32.4	96	206	14	372
4/30/2021	195	13	245	17.2	97	143	9.6	163
5/31/2021	160	10.5	211	14	97	106	6.8	137
6/30/2021	148	9.7	175	11.2	98	106	7	157

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Parameter	BOD5	BOD5	BOD5	BOD5	BOD5	TSS	TSS	TSS
	Weekly Ave	Weekly Ave	Daily Max	Daily Max	Monthly Ave Min	Monthly Ave	Monthly Ave	Weekly Ave
Units	lb/d	mg/L	lb/d	mg/L	%	lb/d	mg/L	lb/d
Effluent Limit	Report	Report	2581	Report	85	1473	Report	Report
7/31/2021	237	13.4	395	25.1	97	116	6.7	275
8/31/2021	135	8.3	156	10.3	98	53	3.4	83
9/30/2021	227	12.7	624	32.6	97	95	5.6	135
10/31/2021	152	9.6	548	33.7	97	77	5	135
11/30/2021	309	19.4	623	38.9	96	119	7.8	185
12/31/2021	152	10.1	207	13.6	97	100	6.7	115
1/31/2022	691	44.3	1095	70.6	93	228	15	483
2/28/2022	443	27.8	592	39.4	94	217	13.8	375
3/31/2022	363	24	450	27.9	93	294	19.3	321
4/30/2022	375	23.6	506	26.9	94	226	13.8	325
5/31/2022	206	13.1	282	17.7	97	114	7.5	185
6/30/2022	163	11.4	199	14	97	97	6.5	121
7/31/2022	169	11.8	247	19.8	97	41	2.9	55
8/31/2022	229	16.5	313	21.6	96	77	5.3	127
9/30/2022	143	9.2	209	11.9	97	74	5	83
10/31/2022	120	8.3	190	10.9	97	98	7	120
11/30/2022	136	8.9	201	12	97	130	9.1	176
12/31/2022	166	11.5	213	11.5	98	118	8.3	186
1/31/2023	304	18	348	18.2	96	186	11.7	281
2/28/2023	233	16.6	305	21.3	96	188	12.5	205
3/31/2023	394	22.6	541	29.7	94	268	16	363
4/30/2023	308	18	451	23.3	95	226	14.2	307
5/31/2023	352	19.4	403	22.5	95	160	9.6	301
6/30/2023	176	11.4	333	20.5	97	120	7.7	112
7/31/2023	334	16.9	381	18.7	97	267	14.9	429
8/31/2023	118	7.8	169	10.3	98	74	5.1	84
9/30/2023	150	9.8	200	10.8	97	97	6.4	129
10/31/2023	117	8.3	148	9.3	97	98	6.8	113
11/30/2023	116	8.1	144	11.5	98	107	8.4	120
12/31/2023	546	24.4	974	40.9	95	287	15.6	600

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Parameter	TSS	TSS	TSS	TSS	pH	pH	E. coli	E. coli
	Weekly Ave	Daily Max	Daily Max	Monthly Ave Min	Minimum	Maximum	Monthly Geometric Mean	Daily Max
Units	mg/L	lb/d	mg/L	%	SU	SU	#/100mL	#/100mL
Effluent Limit	Report	3255	Report	85	6.5	9	126	406
Minimum	3.3	84	5.3	94	6.92	7.4	2	7.5
Maximum	32.6	1034	51.6	99	7.62	7.96	50.7	2419.6
Median	11.45	260.5	16.25	98	7.385	7.73	10	83.3
No. of Violations	N/A	0	N/A	0	0	0	0	11
1/31/2019	19.3	632	27.6	97	7.36	7.6	50.7	1413.6
2/28/2019	11.4	309	20	98	7.33	7.73	5.1	30.5
3/31/2019	6.7	331	21	98	7.42	7.77	2.9	14.6
4/30/2019	17.3	372	23.4	97	7.27	7.74	7.8	75.4
5/31/2019	11.9	320	16.7	98	7.37	7.64	10.1	142.1
6/30/2019	9.5	251	14.6	98	7.42	7.78	4.6	27.2
7/31/2019	10.4	195	12.4	99	7.44	7.8	8.7	93.3
8/31/2019	8.6	175	11.6	99	7.61	7.79	20.7	101.4
9/30/2019	3.3	84	7	99	7.56	7.76	8.8	30.9
10/31/2019	3.6	138	10	99	7.51	7.82	12.2	67
11/30/2019	8	140	10	99	7.49	7.78	5.7	12.2
12/31/2019	9.8	327	22	98	7.31	7.7	4.6	461.1
1/31/2020	16.3	226	15.1	97	7.27	7.64	7.4	1299.7
2/29/2020	16	420	26.1	98	7.43	7.71	3	16.1
3/31/2020	10.6	192.6	12.5	98	7.55	7.81	6	31.8
4/30/2020	4.5	120	6.8	99	7.28	7.7	2	12.2
5/31/2020	15.2	304	19.5	98	7.43	7.96	2.9	8.4
6/30/2020	7.3	148	9	99	7.51	7.78	5.2	44.1
7/31/2020	11.5	253	16.1	98	7.61	7.95	13.3	25.3
8/31/2020	8.3	176	11.9	98	7.56	7.87	13.2	178.5
9/30/2020	11.9	266	17.5	98	7.53	7.82	14.5	35.9
10/31/2020	8.1	144	11.4	98	7.56	7.88	28.8	387.3
11/30/2020	11.9	328	19.7	97	7.41	7.74	9.6	118.7
12/31/2020	32.6	802	51.6	94	7.38	7.75	12.9	177.5
1/31/2021	28.7	587	40.6	96	7.39	7.72	13.5	1011.2
2/28/2021	16.3	264	18.9	97	7.49	7.75	6.8	145.5
3/31/2021	24.8	456	30.4	97	7.43	7.92	5.6	547.5
4/30/2021	11.8	295	20.7	98	7.4	7.69	3.9	7.5
5/31/2021	9	192	11.7	98	7.36	7.68	5.2	10.9
6/30/2021	10.3	181	11.8	98	7.34	7.73	2.4	12.2

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Parameter	TSS	TSS	TSS	TSS	pH	pH	E. coli	E. coli
	Weekly Ave	Daily Max	Daily Max	Monthly Ave Min	Minimum	Maximum	Monthly Geometric Mean	Daily Max
Units	mg/L	lb/d	mg/L	%	SU	SU	#/100mL	#/100mL
Effluent Limit	Report	3255	Report	85	6.5	9	126	406
7/31/2021	15.4	427	26.5	98	7.3	7.78	15	135.4
8/31/2021	5.3	109	6	99	7.55	7.79	6.4	22.8
9/30/2021	7.4	314	16.4	98	7.47	7.79	9.5	366.8
10/31/2021	8.3	257	15.8	99	7.44	7.75	4.9	64.5
11/30/2021	11.6	313	19.5	98	7.44	7.77	33	547.5
12/31/2021	7.6	161	10.6	98	7.28	7.77	8.2	40.2
1/31/2022	31	701	45.6	95	7.38	7.65	11.2	437.4
2/28/2022	23.5	462	28.8	95	7.29	7.54	22.7	2419.6
3/31/2022	21.2	459	28	94	7.26	7.59	10.3	41.6
4/30/2022	20.7	338	22.4	96	7.4	7.67	28.6	106.3
5/31/2022	11.7	247	15.2	98	7.47	7.77	16.3	193.5
6/30/2022	8.1	160	10	98	7.62	7.86	6.8	344.8
7/31/2022	3.9	92	5.3	99	7.62	7.84	30.1	156.5
8/31/2022	8.8	180	12.4	99	7.51	7.81	45	2419.6
9/30/2022	5.4	132	8.2	99	7.46	7.72	17.6	224.7
10/31/2022	8.2	213	12.2	98	7.3	7.66	15.9	29.8
11/30/2022	11.5	230	13.4	98	7.28	7.64	9.9	38.3
12/31/2022	12.9	243	13.1	98	7.15	7.57	2	9.7
1/31/2023	15.7	355	18.6	96	7.12	7.5	18.9	182.9
2/28/2023	14.5	284	19.9	96	7.21	7.48	8.4	69.5
3/31/2023	20.8	496	27.2	95	7.23	7.53	25.2	78
4/30/2023	17.7	478	29.3	96	7.21	7.59	48.1	658.6
5/31/2023	16.5	405	22.6	97	7.12	7.56	13.7	172.5
6/30/2023	7.2	304	18.7	98	7.24	7.57	7.5	88.6
7/31/2023	21.7	498	26.8	97	6.92	7.61	18.7	71.2
8/31/2023	6	151	8.4	99	7.08	7.6	20.2	59.4
9/30/2023	8.3	191	10.9	99	7.09	7.6	11.5	39.9
10/31/2023	7.6	161	9.8	98	7.04	7.6	11.7	98.5
11/30/2023	8.3	172	15.1	98	7.11	7.59	6	59.5
12/31/2023	27.3	1034	43.4	96	6.95	7.4	16.4	640.5

Outfall 001

Parameter	TRC	TRC	TP
	Monthly Ave	Daily Max	Monthly Ave
Units	mg/L	mg/L	lb/d
Effluent Limit	0.85	1	164.8
Minimum	0.2	0.62	42
Maximum	0.73	1.22	128
Median	0.52	0.86	80
No. of Violations	0	1	0
1/31/2019	0.59	0.93	
2/28/2019	0.73	0.97	
3/31/2019	0.72	0.95	
4/30/2019	0.44	0.82	94
5/31/2019	0.37	0.88	77
6/30/2019	0.43	0.65	97
7/31/2019	0.49	0.64	70
8/31/2019	0.44	0.7	52
9/30/2019	0.52	0.71	68
10/31/2019	0.57	0.86	87
11/30/2019	0.49	0.62	
12/31/2019	0.43	0.78	
1/31/2020	0.23	0.62	
2/29/2020	0.24	0.82	
3/31/2020	0.53	0.85	
4/30/2020	0.48	0.73	96
5/31/2020	0.54	0.94	69
6/30/2020	0.59	0.88	55
7/31/2020	0.61	0.8	76
8/31/2020	0.61	0.87	56
9/30/2020	0.58	0.78	101
10/31/2020	0.56	0.89	87
11/30/2020	0.55	0.71	
12/31/2020	0.53	1	
1/31/2021	0.5	0.99	
2/28/2021	0.43	0.98	
3/31/2021	0.39	0.91	
4/30/2021	0.56	0.92	82
5/31/2021	0.59	0.87	58
6/30/2021	0.58	0.72	60

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Parameter	TRC	TRC	TP
	Monthly Ave	Daily Max	Monthly Ave
Units	mg/L	mg/L	lb/d
Effluent Limit	0.85	1	164.8
7/31/2021	0.58	0.94	68
8/31/2021	0.71	0.98	42
9/30/2021	0.56	0.83	57
10/31/2021	0.64	0.94	60
11/30/2021	0.56	0.85	
12/31/2021	0.57	0.79	
1/31/2022	0.36	0.83	
2/28/2022	0.48	0.84	
3/31/2022	0.36	1	
4/30/2022	0.52	0.98	117
5/31/2022	0.53	0.84	112
6/30/2022	0.55	0.96	67
7/31/2022	0.59	0.86	88
8/31/2022	0.56	0.81	75
9/30/2022	0.65	0.86	86
10/31/2022	0.68	0.99	80
11/30/2022	0.54	0.96	
12/31/2022	0.24	0.69	
1/31/2023	0.48	0.86	
2/28/2023	0.46	0.9	
3/31/2023	0.28	0.97	
4/30/2023	0.42	0.85	84
5/31/2023	0.2	0.85	89
6/30/2023	0.4	0.9	91
7/31/2023	0.29	0.8	128
8/31/2023	0.48	0.9	80
9/30/2023	0.41	0.9	92
10/31/2023	0.51	0.92	87
11/30/2023	0.28	1.22	
12/31/2023	0.31	0.82	

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	100	100	Report	Report	Report	Report	Report
Minimum	100	100	0.14	0	0	0.0048	0
Maximum	100	100	0.24	0.14	0	0.0143	0.0008
Median	100	100	0.22	0	0	0.0111	0
No. of Violations	0	0	N/A	N/A	N/A	N/A	N/A
9/30/2019	100	100	0.22	0	0	0.0048	0
9/30/2020	100	100	0.16	0	0	0.0143	0.0008
9/30/2021	100	100	0.14	0.14	0	0.0113	0
9/30/2022	100	100	0.22	0.05	0	0.0106	0
9/30/2023	100	100	0.24	0	0	0.0111	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	0.0276	97.5
Maximum	0.016	0.1546	382
Median	0	0.0607	275.1
No. of Violations	N/A	N/A	N/A
9/30/2019	0.009	0.0366	382
9/30/2020	0	0.1143	275.1
9/30/2021	0	0.0276	279
9/30/2022	0.016	0.0607	201
9/30/2023	0	0.1546	97.5

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	6.6	0	0.03	0	0.0028	0	0	0.0088
Maximum	7.08	0.19	0.18	0	0.0144	0.0009	0.012	0.0188
Median	6.8	0.1	0.05	Non-Detect	0.0062	Non-Detect	Non-Detect	0.0113
9/30/2019	6.65	<0.1	0.03	<0.0005	0.0029	0.0009	<0.004	0.0088
9/30/2020	7.07	0.19	0.03	<0.0005	0.0062	<0.0005	<0.004	0.0148
9/30/2021	6.6	<0.1	0.18	<0.0005	0.0144	<0.0005	<0.004	0.0091
9/30/2022	7.08	0.14	0.05	<0.0005	0.0113	<0.0005	0.012	0.0113
9/30/2023	6.8	0.1	0.06	<0.0005	0.0028	<0.0005	<0.004	0.0188

WET Ambient

Parameter	Hardness
	Daily Max
Units	mg/L
Effluent Limit	Report
Minimum	11.11
Maximum	21.45
Median	17.61
9/30/2019	19.33
9/30/2020	21.45
9/30/2021	17.61
9/30/2022	16.94
9/30/2023	11.11

Ambient Phosphorus

Parameter	Total Phosphorus
Units	mg/L
Site	0.6 miles upstream
Minimum	0.028
Maximum	0.068
Median	0.048
10/19/2021	0.028
8/17/2022	0.068