

July 2019  
WTP Effluent Sample Results

PARAMETER	BOD (mg/L)	Total Aluminum (mg/L)	Total Antimony (µg/L)	Total Arsenic (µg/L)	Total Barium (µg/L)	Total Beryllium (µg/L)	Total Boron (µg/L)	Total Cadmium (µg/L)	Total Chromium (µg/L)	Total Cobalt (µg/L)	Total Copper (µg/L)
CODE	00310	01105	01097	01002	01007	01012	01022	01027	01034	01037	01042
Monitoring Point	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1
STAGE	1	1	1	1	1	1	1	1	1	1	1
1											
2	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	63.1	<0.20	<1.0	<15.0	<1.0
3											
4											
5											
6											
7											
8											
9	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	60.7	<0.20	<1.0	<15.0	<1.0
10											
11											
12											
13											
14											
15											
16	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	33.0	<0.20	<1.0	<15.0	<1.0
17											
18											
19											
20											
21											
22											
23	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	33.5	<0.20	<1.0	<15.0	<1.0
24											
25											
26											
27											
28											
29											
30	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	32.4	<0.20	<1.0	<15.0	<1.0
31											
MIN	0.00	0.00	0.00	0.00	0.00	0.00	32.40	0.00	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	63.10	0.00	0.00	0.00	0.00
AVERAGE	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	45	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

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PARAMETER	Total Fluoride (µg/L)	Total Lead (µg/L)	Total Lithium (µg/L)	Total Manganese (µg/L)	Total Mercury (µg/L)	Total Molybdenum (µg/L)	Total Nickel (µg/L)	Total Potassium (µg/L)	Total Selenium (µg/L)	Total Silver (µg/L)
CODE	00951	01051	01132	01055	71900	01062	01067	00937	01147	01077
Monitoring Point	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1
STAGE	1	1	1	1	1	1	1	1	1	1
1										
2	<100	<1.0	<10.0	<5.0	<0.0005	<5.0	<2.0	<500	<1.0	<0.20
3										
4										
5										
6										
7										
8										
9	<100	<1.0	<10.0	<5.0	<0.0005	<5.0	<2.0	528	<1.0	<0.20
10										
11										
12										
13										
14										
15										
16	<100	<1.0	<10.0	<5.0	<0.0005	<5.0	<2.0	<500	<1.0	<0.20
17										
18										
19										
20										
21										
22										
23	<100	<1.0	<10.0	<5.0	<0.0005	<5.0	<2.0	<500	<1.0	<0.20
24										
25										
26										
27										
28										
29										
30	<100	<1.0	<10.0	<5.0	<0.0005	<5.0	<2.0	<500	<1.0	<0.20
31										
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	528.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	528.00	0.00	0.00
AVERAGE	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	528	#DIV/0!	#DIV/0!

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PARAMETER	Total Strontium (µg/L)	Total Thallium (µg/L)	Total Vanadium (µg/L)	Total Zinc (µg/L)	Nitrate Nitrogen (mg/L)	Total Uranium (µg/L)	Total Sulfate (µg/L)	Total Iron (µg/L)	pH (minimum)	pH (maximum)	Dissolved Oxygen (mg/L)
CODE	01082	01059	01087	01092	00620	22706	81020	01045	99991	99992	00300
Monitoring Point	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1
STAGE	1	1	1	1	1	1	1	1	1	1	1
1									7.33	8.31	
2	<5.0	<2.0	<1.0	<10.0	1.3	<1.0	<10000	<50.0	7.37	8.27	8.08
3									7.34	8.20	
4									7.30	8.53	
5									7.33	8.60	
6									7.34	8.30	
7									7.44	7.93	
8									7.38	8.16	
9	<5.0	<2.0	<1.0	<10.0	1.3	<1.0	<10000	<50.0	7.42	8.52	8.23
10									7.43	8.47	
11									7.31	8.37	
12									7.30	9.07	
13									7.31	8.56	
14									7.29	8.35	
15									7.37	8.28	
16	<5.0	<2.0	<1.0	<10.0	0.59	<1.0	<10000	<50.0	7.31	8.41	8.05
17									7.34	8.62	
18									7.35	8.44	
19									7.32	8.53	
20									7.37	8.19	
21									7.40	8.11	
22									7.38	8.28	
23	<5.0	<2.0	<1.0	<10.0	0.40	<1.0	<10000	<50.0	7.39	8.15	8.40
24									7.66	7.95	
25									7.50	8.47	
26									7.58	7.94	
27									7.41	8.17	
28									7.67	7.80	
29									7.38	8.27	
30	<5.0	<2.0	<1.0	<10.0	0.45	<1.0	<10000	<50.0	7.35	8.53	8.30
31									7.41	8.35	
MIN	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	7.29	7.80	8.05
MAX	0.00	0.00	0.00	0.00	1.30	0.00	0.00	0.00	7.67	9.07	8.4
AVERAGE	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.81	#DIV/0!	#DIV/0!	#DIV/0!	7.39	8.33	8.21

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PARAMETER	Total Inorganic Nitrogen (mg/L)	Ammonia Nitrogen (mg/L)	Nitrite Nitrogen (mg/L)	Total Sodium (mg/L)	Total Chloride (mg/L)	Total Phosphorus (mg/L)	Specific Conductance (µmhos/cm)	Effluent Flow (US GPD)	Effluent Flow (US GPY)	Land Application Rate (gal/day/sq ft)
CODE	09001	90002	90004	90005	90006	90007	90019	90027	90028	90010
Monitoring Point	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	RI 1
STAGE	1	1	1	1	1	1	1	1	1	RI
1							81.79	200,979	34,823,060	0.41
2	2.0	0.62	0.079	17.0	4.2	<0.050	86.44	191,922	35,014,982	0.39
3							87.20	212,872	35,227,854	0.43
4							83.42	205,457	35,433,312	0.42
5							72.05	184,965	35,618,277	0.38
6							65.39	207,639	35,825,916	0.42
7							61.25	12,415	35,838,331	0.03
8							75.88	105,110	35,943,440	0.21
9	2.1	0.66	0.100	17.2	4.7	<0.050	91.14	64,263	36,007,703	0.13
10							84.34	124,979	36,132,682	0.26
11							80.93	199,047	36,331,730	0.41
12							56.84	115,250	36,446,980	0.24
13							54.15	152,101	36,599,081	0.31
14							64.30	56,022	36,655,103	0.11
15							65.14	134,778	36,789,880	0.28
16	1.4	0.68	0.084	12.10	2.5	<0.050	47.47	212,358	37,002,238	0.43
17							64.72	201,183	37,203,421	0.41
18							66.43	188,390	37,391,811	0.38
19							61.09	178,499	37,570,310	0.36
20							85.28	47,398	37,617,708	0.10
21							70.54	22,505	37,640,213	0.05
22							70.43	100,212	37,740,425	0.20
23	1.3	0.83	0.045	12.20	2.1	<0.050	58.88	72,398	37,812,823	0.15
24							77.10	0	37,812,823	0.00
25							100.12	120,461	37,933,284	0.25
26							109.23	5,530	37,938,814	0.01
27							92.48	128,007	38,066,822	0.26
28							91.28	0	38,066,822	0.00
29							66.93	209,039	38,275,860	0.43
30	1.6	1.1	0.050	13.60	3.0	<0.050	78.90	77,874	38,353,735	0.16
31							68.49	141,595	38,495,330	0.29
MIN	1.30	0.62	0.05	12.10	2.10	0.000	47.47	0.00	34823060	0.00
MAX	2.10	1.10	0.10	17.20	4.70	0.000	109.23	212872.30	38495330	0.43
AVERAGE	1.68	0.78	0.07	14.42	3.30	#DIV/0!	74.83	124943.52	36890670	0.26

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PARAMETER	Land Application Rate (gal/day/sq ft)	Land Application Rate (gal/day/sq ft)	Land Application Rate (gal/day/sq ft)	Land Application Rate (gal/day/sq ft)
CODE	90010	90010	90010	90010
Monitoring Point	RI 2	RI 3	RI 4	RI 5
STAGE	RI	RI	RI	RI
1	0.41	0.41	0.00	0.41
2	0.39	0.39	0.00	0.39
3	0.43	0.43	0.00	0.43
4	0.42	0.42	0.00	0.42
5	0.38	0.38	0.00	0.38
6	0.42	0.42	0.00	0.42
7	0.03	0.03	0.00	0.03
8	0.21	0.21	0.00	0.21
9	0.13	0.13	0.00	0.13
10	0.26	0.26	0.00	0.26
11	0.41	0.41	0.00	0.41
12	0.24	0.24	0.00	0.24
13	0.31	0.31	0.00	0.31
14	0.11	0.11	0.00	0.11
15	0.28	0.28	0.00	0.28
16	0.43	0.43	0.00	0.43
17	0.41	0.41	0.00	0.41
18	0.38	0.38	0.00	0.38
19	0.36	0.36	0.00	0.36
20	0.10	0.10	0.00	0.10
21	0.05	0.05	0.00	0.05
22	0.20	0.20	0.00	0.20
23	0.15	0.15	0.00	0.15
24	0.00	0.00	0.00	0.00
25	0.25	0.25	0.00	0.25
26	0.01	0.01	0.00	0.01
27	0.26	0.26	0.00	0.26
28	0.00	0.00	0.00	0.00
29	0.43	0.43	0.00	0.43
30	0.16	0.16	0.00	0.16
31	0.29	0.29	0.00	0.29
MIN	0.00	0.00	0.00	0.00
MAX	0.43	0.43	0.00	0.43
AVERAGE	0.26	0.26	0.00	0.26

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PARAMETER	BOD (mg/L)	Total Aluminum (mg/L)	Total Antimony (µg/L)	Total Arsenic (µg/L)	Total Barium (µg/L)	Total Beryllium (µg/L)	Total Boron (µg/L)	Total Cadmium (µg/L)	Total Chromium (µg/L)	Total Cobalt (µg/L)	Total Copper (µg/L)
CODE	00310	01105	01097	01002	01007	01012	01022	01027	01034	01037	01042
Monitoring Point	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1
STAGE	G	G	G	G	G	G	G	G	G	G	G
1											
2	<2.0	<0.05	17.2	2.8	<1.0	<1.0	706	0.36	263	<15.0	28.5
3											
4											
5											
6											
7											
8											
9	<2.0	<0.05	17.9	2.0	<1.0	<1.0	675	<.20	4.1	<15.0	13.3
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
MIN	0.00	0.00	17.20	2.00	0.00	0.00	675.00	0.36	4.10	0.00	13.30
MAX	0.00	0.00	17.90	2.80	0.00	0.00	706	0.36	263.00	0.00	28.50
AVERAGE	#DIV/0!	#DIV/0!	17.6	2.40	#DIV/0!	#DIV/0!	691	0.36	133.55	#DIV/0!	20.9

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PARAMETER	Total Fluoride (µg/L)	Total Lead (µg/L)	Total Lithium (µg/L)	Total Manganese (µg/L)	Total Mercury (µg/L)	Total Molybdenum (µg/L)	Total Nickel (µg/L)	Total Potassium (µg/L)	Total Selenium (µg/L)	Total Silver (µg/L)	Total Strontium (µg/L)
CODE	00951	01051	01132	01055	71900	01062	01067	00937	01147	01077	01082
Monitoring Point	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1
STAGE	G	G	G	G	G	G	G	G	G	G	G
1											
2	150	54.1	32.2	39.4	0.00114	69.0	146	63900	12.4	<0.20	<5.0
3											
4											
5											
6											
7											
8											
9	110	2.5	35.0	7	0.000877	50.4	45.8	65300	12.4	<0.20	<5.0
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
MIN	110.00	2.50	32.20	7.00	0.00	50.40	45.80	63900.00	12.40	0.00	0.00
MAX	150.00	54.10	35.00	39.40	0.00114	69.00	146.00	65300.00	12.40	0.00	0.00
AVERAGE	130	28.30	33.6	23.20	0.00101	59.7	95.9	64600	12.4	#DIV/0!	#DIV/0!

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PARAMETER	Total Thallium (µg/L)	Total Vanadium (µg/L)	Total Zinc (µg/L)	Nitrate Nitrogen (mg/L)	Total Uranium (µg/L)	Total Sulfate (µg/L)	Total Iron (µg/L)	pH (minimum)	pH (maximum)	Dissolved Oxygen (mg/L)	Total Inorganic Nitrogen (mg/L)
CODE	01059	01087	01092	00620	22706	81020	01045	99991	99992	00300	09001
Monitoring Point	EQ-1	EQ-1	EQ-1	IF-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1
STAGE	G	G	G	G	G	G	G	G	G	G	G
1											
2	<2.0	<1.0	852	99.1	<1.0	749000	921	4.22	9.90	7.95	118
3											
4											
5											
6											
7											
8											
9	<2.0	1.8	352	93.2	<1.0	603000	<50.0	4.17	9.43	8.13	117
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
MIN	0.00	1.80	352.00	93.20	0.00	603000.00	921	4.17	9.43	7.95	117.00
MAX	0.00	1.80	852.00	99.10	0.00	749000.00	921	4.22	9.90	8.13	118.00
AVERAGE	#DIV/0!	1.8	602.0	96	#DIV/0!	676000	921	4.20	9.67	8.0	118



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PARAMETER	Ammonia Nitrogen (mg/L)	Nitrite Nitrogen (mg/L)	Total Sodium (mg/L)	Total Chloride (mg/L)	Total Phosphorus (mg/L)	Specific Conductance (µmhos/cm)	Influent Flow (US GPD)	Influent Flow (US GPY)
CODE	90002	90004	90005	90006	90007	90019	90027	90028
Monitoring Point	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1
STAGE	G	G	G	G	G	G	G	G
1							236,802	33,687,526
2	12.0	6.9	1290	1340	<0.050	6,369	216,115	33,903,641
3							241,837	34,145,478
4							232,840	34,378,317
5							207,054	34,585,371
6							231,639	34,817,010
7							14,069	34,831,079
8							120,988	34,952,067
9	16.4	7.4	1270	1390	<0.050	6,760	73,331	35,025,398
10							136,083	35,161,482
11							230,143	35,391,625
12							141,454	35,533,079
13							167,132	35,700,211
14							64,578	35,764,789
15							145,001	35,909,791
16							233,499	36,143,290
17							216,462	36,359,752
18							189,959	36,549,711
19							192,399	36,742,109
20							60,440	36,802,550
21							26,904	36,829,454
22							118,647	36,948,102
23							89,744	37,037,846
24							0	37,037,846
25							138,568	37,176,414
26							5,870	37,182,284
27							142,241	37,324,525
28							0	37,324,525
29							231,888	37,556,413
30							98,942	37,655,355
31							156,031	37,811,386
MIN	12.00	6.90	1270.00	1340.00	0.00	6369.49	0	33687526
MAX	16.40	7.40	1290.00	1390.00	0.00	6760.14	241837	37811386
AVERAGE	14.2	7.2	1280	1365	#DIV/0!	6565	140667	36008659