

March 2017
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)
CODE	00310	01105	01097	01002	01007	01012	01022	01027	01034	01037
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										
3										
4										
5										
6										
7	<2.0	0.053	<1.0	<1.0	<5.0	<1.0	<20	<0.20	<1.0	<15
8										
9										
10										
11										
12										
13										
14	<2.0	<0.05	<1.0	<1.0	<5.0	<1.0	<20	<0.20	<1.0	<15
15										
16										
17										
18										
19										
20										
21	<2.0	<0.05	<1.0	<1.0	<5.0	<1.0	<20	<0.20	<1.0	<15
22										
23										
24										
25										
26										
27										
28	<2.0	<0.05	<1.0	<1.0	<5.0	<1.0	<20	<0.20	<1.0	<15
29										
30										
31										

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PARAMETER	Total Copper (µg/L)	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)
CODE	01042	00951	01051	01132	01055	71900	01062	01067	00937	01147
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										
3										
4										
5										
6										
7	<1.0	<100	<1.0	<8.0	<5.0	<0.0005	<5.0	<2.0	350	<1.0
8										
9										
10										
11										
12										
13										
14	<1.0	<100	<1.0	<8.0	<5.0	<0.0005	<5.0	<2.0	<200	<1.0
15										
16										
17										
18										
19										
20										
21	<1.0	<100	<1.0	<8.0	<5.0	<0.0005	<5.0	<2.0	210	<1.0
22										
23										
24										
25										
26										
27										
28	<1.0	<100	<1.0	<8.0	<5.0	<0.0005	<5.0	<2.0	510	<1.0
29										
30										
31										

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PARAMETER	Total Silver (µg/L)	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)
CODE	01077	01082	01059	01087	01092	00620	22706	81020	01045	99991
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										7.13
2										6.85
3										6.90
4										7.11
5										7.06
6										7.35
7	<0.20	<5.0	<2.0	<1.0	<10	0.069	<1.0	<5000	<50	7.10
8										7.23
9										6.97
10										7.10
11										7.12
12										7.24
13										7.19
14	<0.20	<5.0	<2.0	<1.0	<10	0.058	<1.0	<5000	<50	7.04
15										7.30
16										7.03
17										7.13
18										6.98
19										6.96
20										7.22
21	<0.20	<5.0	<2.0	<1.0	<10	0.22	<1.0	<5000	<50	6.93
22										6.85
23										7.02
24										6.86
25										6.92
26										6.96
27										7.12
28	<0.20	<5.0	<2.0	<1.0	<10	0.054	<1.0	<5000	<50	6.83
29										6.95
30										6.98
31										7.04

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PARAMETER	pH (maximum)	Dissolved Oxygen (mg/L)	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)
CODE	99992	00300	09001	90002	90004	90005	90006	90007	90019	90027
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	8.63								31.92	77748
2	8.53								30.02	236910
3	8.63								25.90	419632
4	8.46								28.38	162248
5	8.42								32.15	62860
6	8.44								33.55	81387
7	8.53	9.83	1.1	0.99	<0.05	6.7	<1.0	<0.01	34.83	98041
8	8.51								26.54	89590
9	8.45								24.56	190271
10	8.44								24.39	212190
11	8.47								27.72	72318
12	8.45								29.36	81557
13	8.50								30.49	121344
14	8.59	10.25	0.87	0.81	<0.05	5.6	<1.0	<0.01	31.37	89623
15	8.48								31.39	79417
16	8.50								26.76	79589
17	8.61								30.29	73143
18	8.62								32.12	201418
19	8.46								25.99	217782
20	8.60								30.79	68534
21	8.54	9.88	1.1	0.89	<0.05	6.4	<1.0	<0.01	28.44	180755
22	8.55								23.17	91328
23	8.53								24.13	327226
24	8.68								23.08	395762
25	8.48								22.05	420362
26	8.58								20.55	207002
27	8.58								30.67	139066
28	8.52	10.27	0.63	0.58	<0.05	6.6	<1.0	0.0137	23.99	424115
29	8.50								24.94	417862
30	8.46								24.89	433574
31	8.50								26.74	288399

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PARAMETER	Effluent Flow (US GPY)	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)	Land Application Rate (gal/day/sq ft)
CODE	90028	90010	90010	90010	90010	90010
Monitoring Point	EQ-1	RI 1	RI 2	RI 3	RI 4	RI 5
STAGE	1	RI	RI	RI	RI	RI
1	8416799	0.00	0.16	0.16	0.16	0.16
2	8653709	0.00	0.48	0.48	0.48	0.48
3	9073341	0.00	0.86	0.86	0.86	0.86
4	9235588	0.00	0.33	0.33	0.33	0.33
5	9298448	0.00	0.13	0.13	0.13	0.13
6	9379834	0.00	0.17	0.17	0.17	0.17
7	9477876	0.00	0.20	0.20	0.20	0.20
8	9567465	0.00	0.18	0.18	0.18	0.18
9	9757736	0.00	0.39	0.39	0.39	0.39
10	9969926	0.00	0.43	0.43	0.43	0.43
11	10042244	0.00	0.15	0.15	0.15	0.15
12	10123800	0.00	0.17	0.17	0.17	0.17
13	10245145	0.00	0.25	0.25	0.25	0.25
14	10334768	0.00	0.18	0.18	0.18	0.18
15	10414185	0.00	0.16	0.16	0.16	0.16
16	10493773	0.00	0.16	0.16	0.16	0.16
17	10566916	0.00	0.15	0.15	0.15	0.15
18	10768335	0.00	0.41	0.41	0.41	0.41
19	10986117	0.00	0.44	0.44	0.44	0.44
20	11054651	0.00	0.14	0.14	0.14	0.14
21	11235405	0.00	0.37	0.37	0.37	0.37
22	11326733	0.00	0.19	0.19	0.19	0.19
23	11653959	0.00	0.67	0.67	0.67	0.67
24	12049722	0.00	0.81	0.81	0.81	0.81
25	12470083	0.00	0.86	0.86	0.86	0.86
26	12677085	0.00	0.42	0.42	0.42	0.42
27	12816151	0.00	0.28	0.28	0.28	0.28
28	13240266	0.00	0.87	0.87	0.87	0.87
29	13658128	0.00	0.85	0.85	0.85	0.85
30	14091702	0.00	0.89	0.89	0.89	0.89
31	14380101	0.00	0.59	0.59	0.59	0.59

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CODE	00310	01105	01097	01002	01007	01012	01022	01027	01034	01037
Monitoring Point	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
1										
2										
3										
4										
5										
6										
7	31	0.068	4.8	2.0	<5.0	<1.0	960	<0.20	6.6	<15
8										
9										
10										
11										
12										
13										
14	30	<0.05	4.6	1.8	<5.0	<1.0	540	<0.20	4.8	<15
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										

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CODE	01042	00951	01051	01132	01055	71900	01062	01067	00937	01147
Monitoring Point	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
1										
2										
3										
4										
5										
6										
7	28	180	<1.0	24	10	0.00247	46	75	66000	12
8										
9										
10										
11										
12										
13										
14	29	140	<1.0	10	<5.0	0.00173	46	43	40000	11
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										

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PARAMETER	Total Silver (µg/L)	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)
CODE	01077	01082	01059	01087	01092	00620	22706	81020	01045	99991
Monitoring Point	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	IF-1	EQ-1	EQ-1	EQ-1	EQ-1
STAGE	G	G	G	G	G	G	G	G	G	G
1										
2										
3										
4										
5										
6										
7	<0.20	<5.0	<2.0	2.3	210	84	<1.0	700000	200	4.05
8										
9										
10										
11										
12										
13										
14	<0.20	<5.0	<2.0	2.1	80	80	<1.0	720000	<50	6.14
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										

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PARAMETER	pH (maximum)	Dissolved Oxygen (mg/L)	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)	Influent Flow (US GPD)
CODE	99992	00300	09001	90002	90004	90005	90006	90007	90019	90027
Monitoring Point	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
1										45613
2										143088
3										247051
4										104408
5										31389
6										50305
7	9.32	10.68	130	34	7.6	860	690	0.016	4235	60482
8										47426
9										118714
10										134750
11										43621
12										47808
13										71080
14	9.48	11.99	120	31	7.5	760	690	0.0177	4350	54350
15										55755
16										45972
17										42023
18										128172
19										126270
20										45759
21										106909
22										51881
23										186488
24										231801
25										250650
26										135998
27										84614
28										247812
29										245672
30										251917
31										200205

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PARAMETER	Influent Flow (US GPY)
CODE	90028
Monitoring Point	EQ-1
STAGE	G
1	8034658
2	8177746
3	8424797
4	8529205
5	8560595
6	8610900
7	8671382
8	8718808
9	8837522
10	8972272
11	9015893
12	9063702
13	9134782
14	9189132
15	9244887
16	9290859
17	9332882
18	9461054
19	9587324
20	9633082
21	9739991
22	9791872
23	9978361
24	10210162
25	10460812
26	10596809
27	10681423
28	10929235
29	11174907
30	11426824
31	11627029