

February 2018
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	<3.0	<0.05	<1.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15
7										
8										
9										
10										
11										
12										
13	<3.0	<0.05	<1.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15
14										
15										
16										
17										
18										
19										
20	<3.0	<0.05	<1.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15
21										
22										
23										
24										
25										
26										
27	<3.0	<0.05	<1.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15
28										
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	<1.0	<100	<1.0	<8.0	<5.0	<0.0005	<5.0	<2.0	<200	<1.0
7										
8										
9										
10										
11										
12										
13	<1.0	<100	<1.0	<8.0	<5.0	<0.0005	<5.0	<2.0	<200	<1.0
14										
15										
16										
17										
18										
19										
20	<1.0	<100	<1.0	<8.0	<5.0	<0.0005	<5.0	<2.0	<200	<1.0
21										
22										
23										
24										
25										
26										
27	<1.0	<100	<1.0	<8.0	<5.0	<0.0005	<5.0	<2.0	<200	<1.0
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	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1
STAGE	1	1	1	1	1	1	1	1	1	1
1										7.07
2										7.29
3										7.27
4										7.23
5										7.01
6	<0.20	<5.0	<2.0	<1.0	<10	0.071	<1.0	<5000	<50	6.85
7										7.16
8										7.36
9										7.37
10										7.18
11										7.37
12										6.94
13	<0.20	<5.0	<2.0	<1.0	<10	0.44	<1.0	<5000	<50	6.98
14										7.04
15										7.03
16										7.04
17										7.39
18										6.93
19										7.00
20	<0.20	<5.0	<2.0	<1.0	<10	0.066	<1.0	<5000	<50	6.97
21										6.97
22										7.04
23										7.05
24										7.06
25										7.27
26										7.02
27	<0.20	<5.0	<2.0	<1.0	<10	<0.050	<1.0	<5000	<50	6.97
28										7.17
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)	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	8.31								33.97	59923
2	8.41								33.83	91416
3	8.28								30.47	86334
4	8.29								30.43	76634
5	8.44								28.78	113655
6	8.47	11.16	0.57	0.49	<0.050	5.35	<1.0	<0.010	25.95	144419
7	8.29								26.59	3786
8	8.31								32.52	47199
9	8.28								34.41	39881
10	8.24								33.59	17208
11	8.36								38.96	27423
12	8.35								28.89	105308
13	8.54	10.43	0.94	0.45	<0.050	4.93	<1.0	<0.010	25.64	183705
14	8.25								20.69	188110
15	8.28								23.47	193715
16	8.31								21.52	61481
17	8.56								28.47	86314
18	8.49								24.21	53778
19	8.56								25.81	90201
20	8.34	10.59	0.7	0.62	<0.050	5.11	<1.0	<0.010	24.70	164967
21	8.40								22.29	145714
22	8.32								23.84	93182
23	8.43								25.68	80962
24	8.35								25.68	74914
25	8.18								30.16	54309
26	8.22								30.11	114710
27	8.14	11.04	0.53	0.48	<0.050	4.8	<1.0	0.024	23.10	115601
28	8.09								25.97	28862
29										
30										
31										

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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	3919411	0.12	0.12	0.12	0.12	0.00
2	4010827	0.19	0.19	0.19	0.19	0.00
3	4097161	0.18	0.18	0.18	0.18	0.00
4	4173795	0.16	0.16	0.16	0.16	0.00
5	4287451	0.23	0.23	0.23	0.23	0.00
6	4431869	0.29	0.29	0.29	0.29	0.00
7	4435655	0.01	0.01	0.01	0.01	0.00
8	4482854	0.10	0.10	0.10	0.10	0.00
9	4522736	0.08	0.08	0.08	0.08	0.00
10	4539943	0.04	0.04	0.04	0.04	0.00
11	4567366	0.06	0.06	0.06	0.06	0.00
12	4672674	0.22	0.22	0.22	0.22	0.00
13	4856379	0.38	0.38	0.38	0.38	0.00
14	5044489	0.38	0.38	0.38	0.38	0.00
15	5238205	0.40	0.40	0.40	0.40	0.00
16	5299686	0.13	0.13	0.13	0.13	0.00
17	5386000	0.18	0.18	0.18	0.18	0.00
18	5439778	0.11	0.11	0.11	0.11	0.00
19	5529979	0.18	0.18	0.18	0.18	0.00
20	5694946	0.34	0.34	0.34	0.34	0.00
21	5840660	0.30	0.30	0.30	0.30	0.00
22	5933842	0.19	0.19	0.19	0.19	0.00
23	6014804	0.17	0.17	0.17	0.17	0.00
24	6089718	0.15	0.15	0.15	0.15	0.00
25	6144026	0.11	0.11	0.11	0.11	0.00
26	6258736	0.23	0.23	0.23	0.23	0.00
27	6374337	0.24	0.24	0.24	0.24	0.00
28	6403199	0.06	0.06	0.06	0.06	0.00
29						
30						
31						

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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	30.0	<0.05	27.8	<1.0	<1.0	<1.0	983	0.26	5.2	<15.0
7										
8										
9										
10										
11										
12										
13	21.9	<0.05	28.2	1.6	<1.0	<1.0	810	0.3	4.3	<15.0
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
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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	18	180	<1.0	20.5	10.3	0.00101	90.6	13.7	93300	19.9
7										
8										
9										
10										
11										
12										
13	15.9	180	<1.0	23.5	9.4	0.000824	84.3	10.4	85800	14.9
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
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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	<0.20	<5.0	<2.0	2.0	357	126	<1.0	1010000	<50.0	6.18
7										
8										
9										
10										
11										
12										
13	<0.20	<5.0	<2.0	2.1	172	114	<1.0	891000	<50.0	4.47
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
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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										89630
2										100990
3										99669
4										88806
5										128322
6	9.04	11.77	167	30.7	10.4	984	673	0.055	5043	170321
7										19878
8										54193
9										36559
10										29659
11										35386
12										111553
13	10.11	11.43	157	32.2	10.8	871	619	0.023	4634	221852
14										227865
15										228967
16										86477
17										98709
18										54497
19										105232
20										194391
21										172619
22										127846
23										92465
24										85586
25										64286
26										120096
27										156845
28										31423
29										
30										
31										

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PARAMETER	Influent Flow (US GPY)
CODE	90028
Monitoring Point	EQ-1
STAGE	G
1	4690712
2	4791701
3	4891371
4	4980177
5	5108499
6	5278820
7	5298698
8	5352891
9	5389450
10	5419109
11	5454496
12	5566048
13	5787900
14	6015765
15	6244732
16	6331209
17	6429918
18	6484415
19	6589647
20	6784039
21	6956657
22	7084503
23	7176968
24	7262554
25	7326840
26	7446935
27	7603780
28	7635203
29	
30	
31	