

January 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)
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	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15.0
3										
4										
5										
6										
7										
8	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15.0
9										
10										
11										
12										
13										
14										
15	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15.0
16										
17										
18										
19										
20										
21										
22	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15.0
23										
24										
25										
26										
27										
28										
29	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15.0
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	<1.0	<100	<1.0	<10.0	<5.0	<0.0005	<5.0	<2.0	<500	<1.0
3										
4										
5										
6										
7										
8	<1.0	<100	<1.0	<10.0	<5.0	<0.0005	<5.0	<2.0	<500	<1.0
9										
10										
11										
12										
13										
14										
15	<1.0	<100	<1.0	<10.0	<5.0	<0.0005	<5.0	<2.0	<500	<1.0
16										
17										
18										
19										
20										
21										
22	<1.0	<100	<1.0	<10.0	<5.0	<0.0005	<5.0	<2.0	<500	<1.0
23										
24										
25										
26										
27										
28										
29	<1.0	<100	<1.0	<10.0	<5.0	<0.0005	<5.0	<2.0	<500	<1.0
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										7.21
2	<0.20	<5.0	<2.0	<1.0	<10.0	0.26	<1.0	<5000	<50.0	7.21
3										7.29
4										7.28
5										7.40
6										7.34
7										7.31
8	<0.20	<5.0	<2.0	<1.0	<10.0	0.25	<1.0	<5000	<50.0	7.07
9										7.15
10										6.98
11										7.24
12										7.29
13										7.33
14										7.06
15	<0.20	<5.0	<2.0	<1.0	<10.0	0.32	<1.0	<5000	<50.0	7.15
16										7.26
17										7.09
18										7.08
19										7.19
20										7.18
21										7.15
22	<0.20	<5.0	<2.0	<1.0	<10.0	0.32	<1.0	<5000	<50.0	7.31
23										7.24
24										7.01
25										7.16
26										7.29
27										7.32
28										7.34
29	<0.20	<5.0	<2.0	<1.0	<10.0	0.30	<1.0	<5000	<50.0	7.25
30										7.25
31										7.12

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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)
CODE	99992	00300	09001	90002	90004	90005	90006	90007	90019
Monitoring Point	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	8.49								41.41
2	8.29	9.10	0.97	0.69	0.023	7.70	<1.0	<0.050	40.64
3	8.13								41.62
4	8.02								42.60
5	8.21								47.05
6	8.24								43.91
7	8.17								40.30
8	8.27	9.41	0.93	0.66	0.023	8.70	<1.0	<0.050	34.95
9	8.53								38.59
10	8.20								30.66
11	8.38								37.14
12	8.17								40.89
13	8.15								40.02
14	8.54								32.96
15	8.36	9.23	0.92	0.57	0.028	8.12	<1.0	<0.050	33.13
16	8.08								37.93
17	8.30								37.02
18	8.32								32.01
19	8.32								33.83
20	8.34								35.91
21	8.30								33.50
22	8.08	8.74	0.91	0.56	0.032	8.45	1.3	<0.050	41.08
23	8.17								34.02
24	8.40								36.66
25	8.39								26.63
26	8.12								43.19
27	8.59								38.10
28	8.38								47.61
29	8.28	10.15	0.87	0.54	0.027	9.45	1.2	<0.050	41.22
30	8.66								41.56
31	8.59								40.21

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PARAMETER	Effluent Flow (US GPD)	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	90027	90028	90010	90010	90010	90010	90010
Monitoring Point	EQ-1	EQ-1	RI 1	RI 2	RI 3	RI 4	RI 5
STAGE	1	1	RI	RI	RI	RI	RI
1	76,296	76,296	0.00	0.16	0.16	0.16	0.16
2	98,438	174,735	0.00	0.20	0.20	0.20	0.20
3	74,249	248,984	0.00	0.15	0.15	0.15	0.15
4	68,848	317,832	0.00	0.14	0.14	0.14	0.14
5	39,911	357,744	0.00	0.08	0.08	0.08	0.08
6	32,367	390,111	0.00	0.07	0.07	0.07	0.07
7	47,697	437,807	0.00	0.10	0.10	0.10	0.10
8	145,457	583,264	0.00	0.30	0.30	0.30	0.30
9	104,401	687,665	0.00	0.21	0.21	0.21	0.21
10	68,366	756,031	0.00	0.14	0.14	0.14	0.14
11	58,131	814,162	0.00	0.12	0.12	0.12	0.12
12	60,143	874,305	0.00	0.12	0.12	0.12	0.12
13	38,844	913,149	0.00	0.08	0.08	0.08	0.08
14	95,650	1,008,799	0.00	0.20	0.20	0.20	0.20
15	68,776	1,077,575	0.00	0.14	0.14	0.14	0.14
16	49,125	1,126,700	0.00	0.10	0.10	0.10	0.10
17	131,806	1,258,506	0.00	0.27	0.27	0.27	0.27
18	198,359	1,456,865	0.00	0.41	0.41	0.41	0.41
19	201,445	1,658,310	0.00	0.41	0.41	0.41	0.41
20	137,966	1,796,276	0.00	0.28	0.28	0.28	0.28
21	92,186	1,888,462	0.00	0.19	0.19	0.19	0.19
22	42,790	1,931,252	0.00	0.09	0.09	0.09	0.09
23	65,536	1,996,788	0.00	0.13	0.13	0.13	0.13
24	112,342.63	2,109,131	0.00	0.23	0.23	0.23	0.23
25	56,649.30	2,165,780	0.00	0.12	0.12	0.12	0.12
26	63,047	2,228,827	0.00	0.13	0.13	0.13	0.13
27	64,334	2,293,161	0.00	0.13	0.13	0.13	0.13
28	131,134	2,424,295	0.00	0.27	0.27	0.27	0.27
29	107,574	2,531,869	0.00	0.22	0.22	0.22	0.22
30	131,589	2,663,458	0.00	0.27	0.27	0.27	0.27
31	207,455	2,870,913	0.00	0.42	0.42	0.42	0.42

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WTP RO Influent 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	G	G	G	G	G	G	G	G	G	G
1										
2	8.7	<0.05	12.0	1.8	<1.0	<1.0	981	0.39	5.4	<15.0
3										
4										
5										
6										
7										
8	4.5	<0.05	10.6	1.9	<1.0	<1.0	903	0.35	4.4	<15.0
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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	G	G	G	G	G	G	G	G	G	G
1										
2	25.8	130	1.4	43.4	5.6	0.000561	55.6	26.1	86400	18.0
3										
4										
5										
6										
7										
8	17.6	120	1.1	45.2	<5.0	0.000683	52.1	23.3	84600	17.0
9										
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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	<0.20	<5.0	<2.0	1.4	764	139	<1.0	797000	<50.0	5.03
3										
4										
5										
6										
7										
8	<0.20	<5.0	<2.0	1.4	425	127	<1.0	975000	<50.0	4.72
9										
10										
11										
12										
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15										
16										
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WTP RO Influent Sample Results

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										99,430
2	8.84	10.60	191	42.3	9.8	1500	1450	0.053	7,678	113,961
3										87,165
4										94,342
5										36,877
6										46,897
7										62,306
8	9.02	10.31	176	39.4	9.1	1410	1400	<0.050	7,434	160,417
9										110,168
10										83,946
11										60,762
12										71,101
13										36,691
14										125,486
15										75,121
16										74,246
17										147,920
18										224,268
19										227,645
20										156,375
21										114,746
22										47,968
23										83,052
24										122,785
25										63,056
26										69,974
27										73,083
28										144,367
29										142,497
30										147,346
31										227,507

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PARAMETER	Influent Flow (US GPY)
CODE	90028
Monitoring Point	EQ-1
STAGE	G
1	99,430
2	213,392
3	300,557
4	394,899
5	431,776
6	478,673
7	540,979
8	701,396
9	811,564
10	895,511
11	956,273
12	1,027,374
13	1,064,065
14	1,189,552
15	1,264,672
16	1,338,919
17	1,486,838
18	1,711,106
19	1,938,750
20	2,095,125
21	2,209,871
22	2,257,840
23	2,340,892
24	2,463,677
25	2,526,733
26	2,596,707
27	2,669,790
28	2,814,157
29	2,956,654
30	3,104,001
31	3,331,508