

August 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)	Total Copper (µg/L)	Total Fluoride (µg/L)	Total Lead (µg/L)	Total Lithium (µg/L)
CODE	00310	01105	01097	01002	01007	01012	01022	01027	01034	01037	01042	00951	01051	01132
Monitoring Point	EQ-1	EQ-1	EQ-1	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	1	1
1	<3.0	<0.05	<2.0	<1.0	<1.0	<1.0	54.9	<0.20	<1.0	<15.0	<1.0	<100	<1.0	<8.0
2														
3														
4														
5														
6														
7														
8	<3.0	<0.05	<2.0	<1.0	<1.0	<1.0	53.0	<0.20	<1.0	<15.0	<1.0	<100	<1.0	<8.0
9														
10														
11														
12														
13														
14	<3.0	<0.05	<2.0	<1.0	<1.0	<1.0	129	<0.20	<1.0	<15.0	<1.0	<100	<1.0	<8.0
15														
16														
17														
18														
19														
20														
21	<3.0	<0.05	<2.0	<1.0	<1.0	<1.0	38.8	<0.20	<1.0	<15.0	<1.0	<100	<1.0	<8.0
22														
23														
24														
25														
26														
27														
28	<3.0	<0.05	<2.0	<1.0	<1.0	<1.0	31.1	<0.20	<1.0	<15.0	<1.0	<100	<1.0	<8.0
29														
30														
31														
MIN	0.00	0.00	0.00	0.00	0.00	0.00	31.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	129	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	61	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

CONV: Aluminum --> 50.0 ug/L = 0.05 mg/L
 Flouride --> 0.10 mg/L = 100 ug/L
 Mercury --> 0.50 ng/L = 0.0005 ug/L
 Sulfate --> 5.0 mg/L = 5000 ug/L
 Sodium --> 8640 ug/L = 8.64 mg/L

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WTP Effluent Sample Results

PARAMETER	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)	Total Thallium (µg/L)	Total Vanadium (µg/L)	Total Zinc (µg/L)	Nitrate Nitrogen (mg/L)	Total Uranium (µg/L)	Total Sulfate (µg/L)
CODE	01055	71900	01062	01067	00937	01147	01077	01082	01059	01087	01092	00620	22706	81020
Monitoring Point	EQ-1	EQ-1	EQ-1	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	1	1
1	<5.0	<0.0005	<5.0	<2.0	273	<2.0	<0.20	<5.0	<2.0	<1.4	<10.0	0.12	<1.0	<5000
2														
3														
4														
5														
6														
7														
8	<5.0	<0.0005	<5.0	<2.0	342	<2.0	<0.20	<5.0	<2.0	<1.4	<10.0	0.26	<1.0	<5000
9														
10														
11														
12														
13														
14	<5.0	<0.0005	<5.0	<2.0	643	<2.0	<0.20	<5.0	<2.0	<1.4	<10.0	0.67	<1.0	<5000
15														
16														
17														
18														
19														
20														
21	<5.0	<0.0005	<5.0	<2.0	251	<2.0	<0.20	<5.0	<2.0	<1.4	<10.0	0.097	<1.0	<5000
22														
23														
24														
25														
26														
27														
28	<5.0	<0.0005	<5.0	<2.0	283	<2.0	<0.20	<5.0	<2.0	<1.4	<10.0	0.14	<1.0	<5000
29														
30														
31														
MIN	0.00	0.00	0.00	0.00	251	0.00	0.00	0.00	0.00	0.00	0.00	0.097	0.00	0.00
MAX	0.00	0.00	0.00	0.00	643	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.00	0.00
AVERAGE	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	358	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.2574	#DIV/0!	#DIV/0!

August 2018
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PARAMETER	Total Iron (µg/L)	pH (minimum)	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)	Effluent Flow (US GPY)
CODE	01045	99991	99992	00300	09001	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	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1
STAGE	1	1	1	1	1	1	1	1	1	1	1	1	1
1	<50.0	7.29	8.00	7.74	0.98	0.83	<0.050	8.64	<1.0	<0.010	42.69	181,653	29,790,570
2		6.84	8.23								35.35	169,650	29,960,220
3		7.49	7.85								33.09	11,495	29,971,715
4		7.18	8.38								37.65	136,297	30,108,012
5		7.06	8.10								30.55	145,260	30,253,272
6		7.21	8.10								33.68	92,675	30,345,947
7		7.26	8.15								39.92	206,760	30,552,706
8	<50.0	7.20	8.04	7.90	0.93	0.65	<0.050	9.99	1.4	0.042	45.31	202,589	30,755,295
9		7.24	8.11								50.01	175,228	30,930,523
10		7.32	8.13								50.10	106,913	31,037,435
11		7.33	8.05								54.84	99,651	31,137,087
12		7.12	8.09								40.48	198,304	31,335,391
13		7.31	8.39								56.86	121,068	31,456,459
14	<50.0	7.55	8.37	7.57	2.3	1.6	<0.050	14.7	2.6	<0.010	91.34	51,580	31,508,038
15		7.44	8.28								78.80	7,668	31,515,706
16		7.31	8.54								59.45	42,454	31,558,161
17		7.23	8.06								52.90	92,794	31,650,955
18		7.16	8.05								37.00	189,062	31,840,017
19		7.14	8.05								35.50	199,432	32,039,449
20		7.17	7.97								38.63	190,046	32,229,495
21	<50.0	6.97	8.02	7.87	0.76	0.66	<0.050	8.07	1.1	<0.010	33.59	189,880	32,419,375
22		7.10	8.03								31.36	55,081	32,474,456
23		7.29	8.27								34.82	23,429	32,497,885
24		7.22	8.38								41.23	63,482	32,561,368
25		7.31	8.48								43.51	18,288	32,579,656
26		7.55	7.84								53.83	6,386	32,586,041
27		7.31	8.08								48.75	157,922	32,743,964
28	<50.0	7.27	8.22	8.23	0.67	0.51	<0.050	8.43	<1.0	<0.010	38.10	170,265	32,914,229
29		7.07	8.20								31.76	204,219	33,118,448
30		7.11	8.33								31.74	182,930	33,301,378
31		7.18	8.61								33.54	210,158	33,511,536
MIN	0.00	6.84	7.84	7.57	0.67	0.51	0.00	8.07	1.10	0.042	30.55	6385.92	29790570.35
MAX	0.00	7.55	8.61	8.23	2.30	1.60	0.00	14.70	2.60	0.042	91.34	210158.02	33511535.77
AVERAGE	#DIV/0!	7.23	8.17	7.86	1.13	0.85	#DIV/0!	9.966	1.70	0.042	44.08	125891	31634993

August 2018
WTP Effluent Sample Results

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)	Land Application Rate (gal/day/sq ft)
CODE	90010	90010	90010	90010	90010
Monitoring Point	RI 1	RI 2	RI 3	RI 4	RI 5
STAGE	RI	RI	RI	RI	RI
1	0.37	0.37	0.37	0.37	0.00
2	0.35	0.35	0.35	0.35	0.00
3	0.02	0.02	0.02	0.02	0.00
4	0.28	0.28	0.28	0.28	0.00
5	0.30	0.30	0.30	0.30	0.00
6	0.19	0.19	0.19	0.19	0.00
7	0.42	0.42	0.42	0.42	0.00
8	0.41	0.41	0.41	0.41	0.00
9	0.36	0.36	0.36	0.36	0.00
10	0.22	0.22	0.22	0.22	0.00
11	0.20	0.20	0.20	0.20	0.00
12	0.41	0.41	0.41	0.41	0.00
13	0.25	0.25	0.25	0.25	0.00
14	0.11	0.11	0.11	0.11	0.00
15	0.02	0.02	0.02	0.02	0.00
16	0.09	0.09	0.09	0.09	0.00
17	0.19	0.19	0.19	0.19	0.00
18	0.39	0.39	0.39	0.39	0.00
19	0.41	0.41	0.41	0.41	0.00
20	0.39	0.39	0.39	0.39	0.00
21	0.39	0.39	0.39	0.39	0.00
22	0.11	0.11	0.11	0.11	0.00
23	0.05	0.05	0.05	0.05	0.00
24	0.13	0.13	0.13	0.13	0.00
25	0.04	0.04	0.04	0.04	0.00
26	0.01	0.01	0.01	0.01	0.00
27	0.32	0.32	0.32	0.32	0.00
28	0.35	0.35	0.35	0.35	0.00
29	0.42	0.42	0.42	0.42	0.00
30	0.37	0.37	0.37	0.37	0.00
31	0.43	0.43	0.43	0.43	0.00
MIN	0.01	0.01	0.01	0.01	0.00
MAX	0.43	0.43	0.43	0.43	0.00
AVERAGE	0.26	0.26	0.26	0.26	0.00

August2018
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)	Total Copper (µg/L)	Total Fluoride (µg/L)	Total Lead (µg/L)	Total Lithium (µg/L)
CODE	00310	01105	01097	01002	01007	01012	01022	01027	01034	01037	01042	00951	01051	01132
Monitoring Point	EQ-1	EQ-1	EQ-1	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	G	G	G
1														
2														
3														
4														
5														
6														
7														
8	<3.3	<0.05	12.7	1.7	<1.0	<1.0	819	0.33	126	<15.0	51.8	110	22.5	38.6
9														
10														
11														
12														
13														
14	<3.0	<0.05	16.9	3.2	<1.0	<1.0	1190	0.26	3.9	<15.0	14.8	140	<1.0	15.8
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														
31														
MIN	0.00	0.00	12.7	1.70	0.00	0.00	819.0	0.26	3.9	0.00	14.8	110	22.50	15.8
MAX	0.00	0.00	16.9	3.20	0.00	0.00	1190.0	0.33	126	0.00	51.8	140	22.50	38.6
AVERAGE	#DIV/0!	#DIV/0!	14.8	2.45	#DIV/0!	#DIV/0!	1004.5	0.30	65	#DIV/0!	33.3	125	22.50	27.2

CONV: Aluminum --> 50.0 ug/L = 0.05 mg/L
 Flouride --> 0.10 mg/L = 100 ug/L
 Mercury --> 0.50 ng/L = 0.0005 ug/L
 Sulfate --> 5.0 mg/L = 5000 ug/L
 Sodium --> 8640 ug/L = 8.64 mg/L

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WTP RO Influent Sample Results

PARAMETER	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)	Total Thallium (µg/L)	Total Vanadium (µg/L)	Total Zinc (µg/L)	Nitrate Nitrogen (mg/L)	Total Uranium (µg/L)	Total Sulfate (µg/L)
CODE	01055	71900	01062	01067	00937	01147	01077	01082	01059	01087	01092	00620	22706	81020
Monitoring Point	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	IF-1	EQ-1	EQ-1
STAGE	G	G	G	G	G	G	G	G	G	G	G	G	G	G
1														
2														
3														
4														
5														
6														
7														
8	6.5	<0.00052	40.1	62.9	56500	13.9	<0.20	<5.0	<2.0	<1.4	1490	90.5	<1.0	575000
9														
10														
11														
12														
13														
14	<5.0	0.000574	62.1	65.1	74500	16.6	<0.20	<5.0	<2.0	<1.4	209	129	<1.0	810000
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														
31														
MIN	6.50	0.00	40.1	62.9	56500	13.9	0.00	0.00	0.00	0.00	209	91	0.00	575000.0
MAX	6.50	0.00	62.1	65.1	74500	16.6	0.00	0.00	0.00	0.00	1490	129	0.00	810000.0
AVERAGE	6.50	0.00	51.1	64.0	65500	15.3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	849.5	110	#DIV/0!	692500.0

August2018
WTP RO Influent Sample Results

PARAMETER	Total Iron (µg/L)	pH (minimum)	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)	Influent Flow (US GPV)
CODE	01045	99991	99992	00300	09001	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	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1
STAGE	G	G	G	G	G	G	G	G	G	G	G	G	G
1												201,406	32,453,023
2												211,232	32,664,255
3												31,909	32,696,164
4												143,712	32,839,876
5												165,111	33,004,987
6												98,252	33,103,239
7												231,347	33,334,586
8	251	6.30	9.32	7.89	113	15.9	6.3	1050	1040	0.038	5,555	223,523	33,558,109
9												208,507	33,766,616
10												116,450	33,883,065
11												123,901	34,006,967
12												215,288	34,222,255
13												145,371	34,367,626
14	<50.0	3.94	10.84	7.85	166	28.1	129	1630	1580	0.100	7,134	65,465	34,433,090
15												17,615	34,450,705
16												46,311	34,497,016
17												101,020	34,598,036
18												215,145	34,813,181
19												228,599	35,041,780
20												219,332	35,261,112
21												218,708	35,479,820
22												78,704	35,558,524
23												38,994	35,597,518
24												58,717	35,656,235
25												33,602	35,689,837
26												16,318	35,706,156
27												165,861	35,872,016
28												205,429	36,077,445
29												233,847	36,311,292
30												215,135	36,526,427
31												213,075	36,739,501
MIN	251	3.94	9.32	7.85	113	15.9	6.3	1050	1040	0.04	5554.90	16318.45	32453022.95
MAX	251	6.30	10.84	7.89	166	28.1	129	1630	1580	0.10	7134.38	233846.76	36739501.49
AVERAGE	251	5.12	10.08	7.9	140	22.0	67.7	1340	1310	0.07	6344.6	144770	34587434.14