

April 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)
CODE	00310	01105	01097	01002	01007	01012	01022	01027	01034	01037	01042	00951	01051
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													
2	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15.0	<1.0	1100	<1.0
3													
4													
5													
6													
7													
8													
9	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15.0	<1.0	<100	<1.0
10													
11													
12													
13													
14													
15													
16	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	22.5	<0.20	<1.0	<15.0	<1.0	<100	<1.0
17													
18													
19													
20													
21													
22													
23	<4.0	<0.05	<1.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15.0	<1.0	<100	<1.0
24													
25													
26													
27													
28													
29													
30	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15.0	<1.0	<100	<1.0
MAX	0.00	0.00	0.00	0.00	0.00	0.00	22.50	0.00	0.00	0.00	0.00	1100.00	0.00
AVERAGE	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	23	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1100	#DIV/0!

EXAMPLE CONVERSIONS:	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
RED HEADINGS:	Need to convert the unit.
BLUE HEADINGS:	Information on the WTP spreadsheet.

Comment Box:

The 12-Month Rolling Average for Mercury is 0.00007 ug/L. Mercury is a permit required parameter and is not included on the DMR form. All 5 Mercury results were non-detect for the month.

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PARAMETER	Total Lithium (µg/L)	Total Manganese (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)
CODE	01132	01055	01062	01067	00937	01147	01077	01082	01059	01087	01092	00620	22706
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													
2	<10.0	<5.0	<5.0	<2.0	<500	<1.0	<0.20	<5.0	<2.0	<1.0	<10.0	0.21	<1.0
3													
4													
5													
6													
7													
8													
9	<10.0	<5.0	<5.0	<2.0	<500	<1.0	<0.20	<5.0	<2.0	<1.0	<10.0	0.18	<1.0
10													
11													
12													
13													
14													
15													
16	<10.0	<5.0	<5.0	<2.0	<500	<1.0	<0.20	<5.0	<2.0	<1.0	<10.0	0.25	<1.0
17													
18													
19													
20													
21													
22													
23	<10.0	<5.0	<5.0	<2.0	<500	<1.0	<0.20	<5.0	<2.0	<1.0	<10.0	0.23	<1.0
24													
25													
26													
27													
28													
29													
30	<10.0	<5.0	<5.0	<2.0	<500	<1.0	<0.20	<5.0	<2.0	<1.0	<10.0	0.23	<1.0
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00
AVERAGE	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.22	#DIV/0!

EXAMPLE CONV
RED HEAD
BLUE HEAD

April 2018
WTP Effluent Sample Results

PARAMETER	Total Sulfate (µg/L)	Total Iron (µg/L)	pH (minimum)	pH (maximum)	Dissolved Oxygen (mg/L)	Total Inorganic Nitrogen	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	81020	01045	99991	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	EQ-1	EQ-1	EQ-1
STAGE	1	1	1	1	1	1	1	1	1	1	1	1
1			7.30	8.53								44.59
2	<10000	<50.0	7.14	8.42	10.19	0.44	0.22	0.016	9.73	<1.0	<0.050	35.78
3			7.09	8.36								39.86
4			7.06	8.46								37.23
5			7.17	8.36								49.12
6			7.17	8.37								49.86
7			7.31	8.32								42.83
8			7.28	8.68								35.01
9	<10000	<50.0	7.26	8.36	9.44	0.46	0.26	0.014	7.57	<1.0	<0.050	37.83
10			7.28	8.46								42.43
11			7.20	8.39								30.27
12			7.17	8.37								30.05
13			7.15	8.55								23.15
14			7.23	8.70								19.16
15			7.34	8.49								41.36
16	<10000	<50.0	7.28	8.53	9.43	0.46	0.19	0.026	9.46	1.3	<0.050	37.66
17			7.34	8.37								43.28
18			7.33	8.39								46.65
19			7.40	8.42								53.28
20			7.35	8.37								42.49
21			7.29	8.64								39.23
22			7.37	8.09								44.98
23	<10000	<50.0	7.25	8.34	9.24	0.44	0.19	0.018	9.13	<1.0	<0.050	38.51
24			7.29	8.29								40.43
25			7.41	8.26								52.14
26			7.34	8.26								39.20
27			7.28	8.37								38.56
28			7.29	8.40								44.57
29			7.22	8.32								34.91
30	<10000	<50.0	7.19	8.41	10.04	0.45	0.21	0.016	7.50	1.1	<0.050	33.99
MAX	0.00	0.00	7.41	8.70	10.2	0.46	0.26	0.03	9.73	1.30	0.000	53.28
AVERAGE	#DIV/0!	#DIV/0!	7.26	8.41	9.67	0.45	0.21	0.02	8.68	1.20	#DIV/0!	39.61

EXAMPLE CONV	7.06
RED HEAD	
BLUE HEAD	

April 2018
WTP Effluent Sample Results

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	400,823	14,065,736	0.00	0.82	0.82	0.82	0.82
2	347,426	14,413,161	0.00	0.71	0.71	0.71	0.71
3	373,290	14,786,452	0.00	0.76	0.76	0.76	0.76
4	373,711	15,160,162	0.00	0.76	0.76	0.76	0.76
5	381,154	15,541,316	0.00	0.78	0.78	0.78	0.78
6	385,251	15,926,567	0.00	0.79	0.79	0.79	0.79
7	377,710	16,304,277	0.00	0.77	0.77	0.77	0.77
8	307,576	16,611,852	0.00	0.63	0.63	0.63	0.63
9	376,897	16,988,749	0.00	0.77	0.77	0.77	0.77
10	394,587	17,383,336	0.00	0.81	0.81	0.81	0.81
11	375,596	17,758,932	0.00	0.77	0.77	0.77	0.77
12	355,603	18,114,536	0.00	0.73	0.73	0.73	0.73
13	241,938	18,356,474	0.00	0.49	0.49	0.49	0.49
14	209,674	18,566,147	0.00	0.43	0.43	0.43	0.43
15	194,173	18,760,321	0.00	0.40	0.40	0.40	0.40
16	245,161	19,005,482	0.00	0.50	0.50	0.50	0.50
17	405,599	19,411,081	0.00	0.83	0.83	0.83	0.83
18	379,297	19,790,378	0.00	0.77	0.77	0.77	0.77
19	372,657	20,163,035	0.00	0.76	0.76	0.76	0.76
20	279,912	20,442,947	0.00	0.57	0.57	0.57	0.57
21	117,143	20,560,090	0.00	0.24	0.24	0.24	0.24
22	187,154	20,747,245	0.00	0.38	0.38	0.38	0.38
23	273,736	21,020,981	0.00	0.56	0.56	0.56	0.56
24	394,932	21,415,913	0.00	0.81	0.81	0.81	0.81
25	405,140	21,821,053	0.00	0.83	0.83	0.83	0.83
26	386,477	22,207,531	0.00	0.79	0.79	0.79	0.79
27	384,871	22,592,402	0.79	0.00	0.79	0.79	0.79
28	378,829	22,971,231	0.77	0.00	0.77	0.77	0.77
29	400,998	23,372,229	0.82	0.00	0.82	0.82	0.82
30	386,409	23,758,638	0.79	0.00	0.79	0.79	0.79
MAX	405599.39	23758638	0.82	0.83	0.83	0.83	0.83
AVERAGE	336457.49	18933942	0.11	0.58	0.69	0.69	0.69

EXAMPLE CONV
RED HEAD
BLUE HEAD

April 2018
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)
CODE	00310	01105	01097	01002	01007	01012	01022	01027	01034	01037	01042	00951	01051
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													
2	3.0	<0.05	15.9	1.1	<1.0	<1.0	566	0.35	8.0	<15.0	13.3	220	2.1
3													
4													
5													
6													
7													
8													
9	2.4	<0.05	12.2	<1.0	<1.0	<1.0	576	0.30	3.7	<15.0	10.9	200	1.4
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
MAX	3.00	0.00	15.90	1.10	0.00	0.00	576	0.35	8.00	0.00	13.30	220.00	2.10
AVERAGE	2.70	#DIV/0!	14.1	1.10	#DIV/0!	#DIV/0!	571	0.33	5.85	#DIV/0!	12.1	210	1.75

EXAMPLE CONVERSIONS:	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
RED HEADINGS:	Need to convert the unit.
BLUE HEADINGS:	Information on the WTP spreadsheet.

April 2018
WTP RO Influent Sample Results

PARAMETER	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)	Total Thallium (µg/L)	Total Vanadium (µg/L)	Total Zinc (µg/L)	Nitrate Nitrogen (mg/L)
CODE	01132	01055	71900	01062	01067	00937	01147	01077	01082	01059	01087	01092	00620
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	IF-1
STAGE	G	G	G	G	G	G	G	G	G	G	G	G	G
1													
2	26.2	5.3	<0.0005	48.4	30.4	58200	10.6	<0.20	<5.0	<2.0	1.4	527	85.8
3													
4													
5													
6													
7													
8													
9	23.0	<5.0	0.00055	43.0	30.2	53100	9.7	<0.20	<5.0	<2.0	2.1	444	85.5
10													
11													
12													
13													
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15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
MAX	26.20	5.30	0.00055	48.40	30.40	58200.00	10.60	0.00	0.00	0.00	2.10	527.00	85.80
AVERAGE	24.6	5.30	0.00055	45.7	30.3	55650	10.2	#DIV/0!	#DIV/0!	#DIV/0!	1.8	485.5	86

EXAMPLE CONV

RED HEAD

BLUE HEAD

April 2018
WTP RO Influent Sample Results

PARAMETER	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)	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	22706	81020	01045	99991	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	EQ-1	EQ-1	EQ-1	EQ-1
STAGE	G	G	G	G	G	G	G	G	G	G	G	G	G
1													
2	<1.0	618000	62.6	5.67	9.21	10.93	119	28.0	4.8	1110	1170	<0.050	5,444
3													
4													
5													
6													
7													
8													
9	<1.0	494000	<50.0	5.70	9.14	10.25	114	24.1	4.7	1030	1150	0.058	5,072
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
MAX	0.00	618000.00	63	5.70	9.21	10.93	119.00	28.00	4.80	1110.00	1170.00	0.06	5443.60
AVERAGE	#DIV/0!	556000	63	5.68	9.18	10.6	117	26.1	4.8	1070	1160	0.06	5258

EXAMPLE CONV

RED HEAD

BLUE HEAD

April 2018
WTP RO Influent Sample Results

PARAMETER	Influent Flow (US GPD)	Influent Flow (US GPY)
CODE	90027	90028
Monitoring Point	EQ-1	EQ-1
STAGE	G	G
1	252,064	14,671,211
2	232,941	14,904,152
3	236,211	15,140,363
4	240,668	15,381,031
5	247,082	15,628,114
6	246,735	15,874,849
7	239,131	16,113,980
8	195,252	16,309,232
9	244,395	16,553,627
10	244,291	16,797,918
11	245,665	17,043,583
12	230,558	17,274,141
13	240,059	17,514,200
14	239,009	17,753,209
15	226,882	17,980,091
16	214,447	18,194,538
17	251,422	18,445,959
18	237,772	18,683,731
19	232,894	18,916,625
20	242,261	19,158,886
21	127,597	19,286,484
22	211,358	19,497,841
23	239,841	19,737,682
24	246,371	19,984,054
25	251,951	20,236,005
26	245,766	20,481,771
27	244,873	20,726,644
28	237,914	20,964,558
29	249,687	21,214,244
30	249,722	21,463,966
MAX	252064	21463966
AVERAGE	234827	18064423

EXAMPLE CONV
RED HEAD!
BLUE HEAD!