

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)	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														
2														
3														
4														
5														
6														
7	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	43.8	<0.20	<1.0	<15.0	<1.0	<100	<1.0	<10.0
8														
9														
10														
11														
12														
13														
14	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	43.3	<0.20	<1.0	<15.0	<1.0	<100	<1.0	<10.0
15														
16														
17														
18														
19														
20														
21	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	<2.0	<0.20	<1.0	<15.0	<1.0	<100	<1.0	<10.0
22														
23														
24														
25														
26														
27														
28	<2.0	<0.05	<50.0	<1.0	<1.0	<1.0	43.3	<0.20	<1.0	<15.0	<1.0	<100	<1.0	<10.0
29														
30														
31														
MIN	0.00	0.00	0.00	0.00	0.00	0.00	43.30	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	43.80	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!	43	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#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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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)
CODE	01055	71900	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													
3													
4													
5													
6													
7	<5.0	<0.0005	<5.0	<2.0	<500	<1.0	<0.20	<5.0	<2.0	<1.0	<10.0	0.63	<1.0
8													
9													
10													
11													
12													
13													
14	<5.0	<0.0005	<50.0	<2.0	<500	<1.0	<0.20	<5.0	<2.0	<1.0	<10.0	0.62	<1.0
15													
16													
17													
18													
19													
20													
21	<5.0	<0.0005	<5.0	<2.0	<500	<1.0	<0.20	<5.0	<2.0	<1.0	<10.0	0.28	<1.0
22													
23													
24													
25													
26													
27													
28	<5.0	<0.0005	<5.0	<2.0	<500	<1.0	<0.20	<5.0	<2.0	<1.0	<10.0	0.70	<1.0
29													
30													
31													
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	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!	0.56	#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 (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	81020	01045	99991	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	EQ-1	EQ-1	EQ-1
STAGE	1	1	1	1	1	1	1	1	1	1	1	1	1
1			7.25	8.29								42.98	242,529
2			7.17	8.33								47.11	217,367
3			7.09	8.43								55.68	221,800
4			7.19	8.26								55.47	223,811
5			7.23	8.22								70.48	133,052
6			7.28	8.24								58.07	205,618
7	<10000	<50.0	7.28	8.18	9.02	1.1	0.44	0.045	11.6	1.9	<0.050	58.92	194,222
8			7.36	8.33								65.36	36,055
9			7.04	8.25								44.32	209,785
10			7.15	8.23								47.81	210,586
11			7.17	8.32								50.36	206,417
12			7.26	8.30								52.72	220,184
13			7.23	8.32								46.87	190,962
14	<10000	<50.0	7.15	8.19	8.53	0.98	0.32	0.043	10.2	2.0	<0.050	50.44	192,933
15			7.20	8.29								55.42	207,371
16			7.19	8.43								56.50	175,200
17			7.24	8.33								48.05	201,178
18			7.24	8.35								49.24	216,607
19			7.19	8.28								46.63	231,717
20			7.11	8.48								35.38	224,587
21	<10000	<50.0	7.20	8.29	9.75	0.46	0.16	0.015	9.51	1.4	<0.050	52.69	214,429
22			7.25	8.30								50.94	216,143
23			7.05	8.45								52.54	200,709
24			7.26	8.29								55.07	221,446
25			7.27	8.31								56.94	220,094
26			7.35	8.27								65.10	180,824
27			7.25	8.43								61.70	179,692
28	<10000	<50.0	7.28	8.50	8.93	1.1	0.33	0.031	12.5	2.4	<0.050	58.79	218,008
29			7.23	8.33								59.87	196,264
30			7.32	8.34								62.96	210,083
31			7.26	8.36								68.23	206,562
MIN	0.00	0.00	7.04	8.18	8.53	0.46	0.16	0.02	9.51	1.40	0.000	35.38	36055.38
MAX	0.00	0.00	7.36	8.50	9.8	1.10	0.44	0.05	12.50	2.40	0.000	70.48	242529.40
AVERAGE	#DIV/0!	#DIV/0!	7.22	8.32	9.06	0.91	0.31	0.03	10.95	1.93	#DIV/0!	54.28	200846.38

EXAMPLE CONV

RED HEAD

BLUE HEAD

April 2018
WTP Effluent Sample Results

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	24,001,167	0.50	0.00	0.50	0.50	0.50
2	24,218,534	0.44	0.00	0.44	0.44	0.44
3	24,440,334	0.45	0.00	0.45	0.45	0.45
4	24,664,145	0.46	0.00	0.46	0.46	0.46
5	24,797,197	0.27	0.00	0.27	0.27	0.27
6	25,002,815	0.42	0.00	0.42	0.42	0.42
7	25,197,037	0.40	0.00	0.40	0.40	0.40
8	25,233,093	0.07	0.00	0.07	0.07	0.07
9	25,442,878	0.43	0.00	0.43	0.43	0.43
10	25,653,464	0.43	0.00	0.43	0.43	0.43
11	25,859,881	0.42	0.00	0.42	0.42	0.42
12	26,080,065	0.45	0.00	0.45	0.45	0.45
13	26,271,028	0.39	0.00	0.39	0.39	0.39
14	26,463,961	0.39	0.00	0.39	0.39	0.39
15	26,671,332	0.42	0.00	0.42	0.42	0.42
16	26,846,533	0.36	0.00	0.36	0.36	0.36
17	27,047,710	0.41	0.00	0.41	0.41	0.41
18	27,264,318	0.44	0.00	0.44	0.44	0.44
19	27,496,034	0.47	0.00	0.47	0.47	0.47
20	27,720,622	0.46	0.00	0.46	0.46	0.46
21	27,935,051	0.44	0.00	0.44	0.44	0.44
22	28,151,194	0.44	0.00	0.44	0.44	0.44
23	28,351,903	0.41	0.00	0.41	0.41	0.41
24	28,573,349	0.45	0.00	0.45	0.45	0.45
25	28,793,443	0.45	0.00	0.45	0.45	0.45
26	28,974,266	0.37	0.00	0.37	0.37	0.37
27	29,153,959	0.37	0.00	0.37	0.37	0.37
28	29,371,967	0.45	0.00	0.45	0.45	0.45
29	29,568,231	0.40	0.00	0.40	0.40	0.40
30	29,778,314	0.43	0.00	0.43	0.43	0.43
31	29,984,876	0.42	0.00	0.42	0.42	0.42
MIN	24001167	0.07	0.00	0.07	0.07	0.07
MAX	29984876	0.50	0.00	0.50	0.50	0.50
AVERAGE	26935765	0.41	0.00	0.41	0.41	0.41

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)	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	<2.0	<0.05	<50.0	1.8	<1.0	<1.0	667	0.35	5.0	<15.0	10.6	210	1.1	26.5
8														
9														
10														
11														
12														
13														
14	<2.0	<0.05	10.7	1.2	<1.0	<1.0	609	0.26	6.2	<15.0	10.5	150	<1.0	29.8
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														
31														
MIN	0.00	0.00	10.70	1.20	0.00	0.00	609.00	0.26	5.00	0.00	10.50	150.00	1.10	26.50
MAX	0.00	0.00	10.70	1.80	0.00	0.00	667	0.35	6.20	0.00	10.60	210.00	1.10	29.80
AVERAGE	#DIV/0!	#DIV/0!	10.7	1.50	#DIV/0!	#DIV/0!	638	0.31	5.60	#DIV/0!	10.6	180	1.10	28.2

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 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	<5.0	<0.0005	54.1	32.3	61300	11.4	<0.20	<5.0	<2.0	3.5	509	88.3	<1.0	651000
8														
9														
10														
11														
12														
13														
14	<5.0	<0.0005	58.5	32.6	64000	14.6	<0.20	<5.0	<2.0	4.1	337	80.0	<1.0	637000
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														
31														
MIN	0.00	0.00	54.10	32.30	61300.00	11.40	0.00	0.00	0.00	3.50	337.00	80.00	0.00	637000.00
MAX	0.00	0.00000	58.50	32.60	64000.00	14.60	0.00	0.00	0.00	4.10	509.00	88.30	0.00	651000.00
AVERAGE	#DIV/0!	#DIV/0!	56.3	32.5	62650	13.0	#DIV/0!	#DIV/0!	#DIV/0!	3.8	423.0	84	#DIV/0!	644000

EXAMPLE CONV
RED HEAD
BLUE HEAD

April 2018
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 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	G	G	G	G	G	G	G	G	G	G	G	G	G
1		7.25	8.29									210,645	21,674,611
2		7.17	8.33									235,167	21,909,778
3		7.09	8.43									235,051	22,144,829
4		7.19	8.26									241,641	22,386,470
5		7.23	8.22									154,697	22,541,167
6		7.28	8.24									235,046	22,776,212
7	<50.0	7.28	8.18	9.88	116	22.2	5.9	1190	1350	0.073	6,757	231,616	23,007,829
8		7.36	8.33									49,777	23,057,606
9		7.04	8.25									238,998	23,296,604
10		7.15	8.23									242,841	23,539,445
11		7.17	8.32									230,798	23,770,243
12		7.26	8.30									243,503	24,013,746
13		7.23	8.32									217,151	24,230,897
14	<50.0	7.15	8.19	8.99	103	16.2	6.4	1300	1320	0.078	5,738	221,176	24,452,073
15		7.20	8.29									234,780	24,686,853
16		7.19	8.43									207,502	24,894,355
17		7.24	8.33									234,889	25,129,244
18		7.24	8.35									235,408	25,364,652
19		7.19	8.28									243,066	25,607,718
20		7.11	8.48									236,876	25,844,595
21		7.20	8.29									229,841	26,074,436
22		7.25	8.30									232,390	26,306,825
23		7.05	8.45									209,769	26,516,594
24		7.26	8.29									233,168	26,749,762
25		7.27	8.31									235,884	26,985,646
26		7.35	8.27									205,246	27,190,893
27		7.25	8.43									188,521	27,379,413
28		7.28	8.50									231,815	27,611,228
29		7.23	8.33									210,990	27,822,218
30		7.32	8.34									225,808	28,048,027
31		7.26	8.36									222,130	28,270,157
MIN	0	7.04	8.18	8.99	103.00	16.20	5.90	1190.00	1320.00	0.07	5737.95	49777	21674611
MAX	0	7.36	8.50	9.88	116.00	22.20	6.40	1300.00	1350.00	0.08	6756.84	243503	28270157
AVERAGE	#DIV/0!	7.22	8.32	9.4	110	19.2	6.2	1245	1335	0.08	6247	219555	24944649

EXAMPLE CONV

RED HEAD!

BLUE HEAD!