

October 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	<3.0	<0.05	<2.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15.0	<1.0	<100	<1.0	<8.0
3														
4														
5														
6														
7														
8														
9	<3.0	<0.05	<2.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15.0	<1.0	<100	<1.0	<8.0
10														
11														
12														
13														
14														
15														
16	<3.0	<0.05	<2.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15.0	<1.0	<100	<1.0	<8.0
17														
18														
19														
20														
21														
22														
23	<3.0	<0.05	<2.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15.0	<1.0	<100	<1.0	<8.0
24														
25														
26														
27														
28														
29														
30	<3.0	<0.05	<2.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15.0	<1.0	<100	<1.0	<8.0
31														
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	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!	#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.

DMR 12-Month Rolling

October 2018  
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														
2	<5.0	0.0008	<5.0	<2.0	<200	<2.0	<0.20	<5.0	<2.0	<1.4	<10.0	0.19	<1.0	<5000
3														
4														
5														
6														
7														
8														
9	<5.0	<0.0005	<5.0	<2.0	<200	<2.0	<0.20	<5.0	<2.0	<1.4	<10.0	0.083	<1.0	<5000
10														
11														
12														
13														
14														
15														
16	<5.0	<0.0005	<5.0	<2.0	<200	<2.0	<0.20	<5.0	<2.0	<1.4	<10.0	0.075	<1.0	<5000
17														
18														
19														
20														
21														
22														
23	<5.0	<0.0005	<5.0	<2.0	<200	<2.0	<0.20	<5.0	<2.0	<1.4	<10.0	0.071	<1.0	<5000
24														
25														
26														
27														
28														
29														
30	<5.0	<0.0005	<5.0	<2.0	<200	<2.0	<0.20	<5.0	<2.0	<1.4	<10.0	0.14	<1.0	<5000
31														
MIN	0.00	0.0008	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00
MAX	0.00	0.0008	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00
AVERAGE	#DIV/0!	0.0008	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.11	#DIV/0!	#DIV/0!

EXAMPLE CONV
RED HEAD
BLUE HEAD

October 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		6.98	8.48								24.94	176,905	39,921,387
2	<50.0	6.98	8.50	9.46	0.34	0.13	<0.050	6.07	<1.0	<0.010	24.05	120,903	40,042,290
3		7.19	8.42								29.11	43,551	40,085,841
4		7.10	8.62								39.11	42,978	40,128,818
5		6.85	8.66								32.49	187,710	40,316,528
6		6.97	8.41								23.18	122,859	40,439,387
7		6.89	8.53								27.93	136,642	40,576,028
8		7.15	8.37								26.06	155,415	40,731,444
9	<50.0	7.16	8.70	9.21	0.27	0.18	<0.050	5.45	<1.0	<0.010	22.90	226,872	40,958,315
10		7.18	8.79								23.45	177,091	41,135,407
11		7.26	8.81								22.40	215,274	41,350,681
12		7.21	8.56								23.74	123,445	41,474,126
13		6.98	8.90								17.76	217,788	41,691,914
14		7.15	8.73								17.22	236,055	41,927,968
15		7.26	8.77								20.28	228,409	42,156,378
16	<50.0	7.26	8.79	10.13	0.19	0.11	<0.050	4.70	<1.0	0.013	20.79	239,117	42,395,495
17		7.18	8.72								21.58	203,217	42,598,711
18		7.20	8.65								21.67	252,745	42,851,456
19		7.21	8.75								21.96	188,018	43,039,475
20		7.30	8.58								22.90	100,263	43,139,738
21		7.27	8.61								23.19	181,136	43,320,873
22		7.16	8.71								17.80	223,485	43,544,358
23	<50.0	7.22	8.63	9.88	0.23	0.15	<0.050	4.20	<1.0	0.012	22.32	198,121	43,742,479
24		7.16	8.63								20.59	237,521	43,980,001
25		6.97	8.92								30.46	224,214	44,204,215
26		7.43	7.44								34.15	227,492	44,431,707
27		7.60	7.61								34.29	229,816	44,661,523
28		7.65	7.65								34.44	197,796	44,859,319
29		7.42	7.54								34.59	209,708	45,069,027
30	<50.0	7.34	7.51	9.99	0.35	0.19	<0.050	7.41	<1.0	0.014	34.74	206,924	45,275,951
31		7.48	7.61								34.89	189,140	45,465,091
MIN	0.00	6.85	7.44	9.21	0.19	0.11	0.00	4.20	0.00	0.012	17.22	42978	39921387
MAX	0.00	7.65	8.92	10.13	0.35	0.19	0.00	7.41	0.00	0.014	39.11	252745	45465091
AVERAGE	#DIV/0!	7.20	8.44	9.73	0.28	0.15	#DIV/0!	5.566	#DIV/0!	0.013	25.97	184536	42435998

EXAMPLE CONV
RED HEAD
BLUE HEAD

October 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	0.00	0.36	0.36	0.36	0.36
2	0.00	0.25	0.25	0.25	0.25
3	0.00	0.09	0.09	0.09	0.09
4	0.00	0.09	0.09	0.09	0.09
5	0.00	0.38	0.38	0.38	0.38
6	0.00	0.25	0.25	0.25	0.25
7	0.00	0.28	0.28	0.28	0.28
8	0.00	0.32	0.32	0.32	0.32
9	0.00	0.46	0.46	0.46	0.46
10	0.00	0.36	0.36	0.36	0.36
11	0.00	0.44	0.44	0.44	0.44
12	0.00	0.25	0.25	0.25	0.25
13	0.00	0.44	0.44	0.44	0.44
14	0.00	0.48	0.48	0.48	0.48
15	0.00	0.47	0.47	0.47	0.47
16	0.00	0.49	0.49	0.49	0.49
17	0.00	0.42	0.42	0.42	0.42
18	0.00	0.52	0.52	0.52	0.52
19	0.00	0.38	0.38	0.38	0.38
20	0.00	0.20	0.20	0.20	0.20
21	0.00	0.37	0.37	0.37	0.37
22	0.00	0.46	0.46	0.46	0.46
23	0.00	0.40	0.40	0.40	0.40
24	0.00	0.49	0.49	0.49	0.49
25	0.00	0.46	0.46	0.46	0.46
26	0.00	0.46	0.46	0.46	0.46
27	0.00	0.47	0.47	0.47	0.47
28	0.00	0.40	0.40	0.40	0.40
29	0.00	0.43	0.43	0.43	0.43
30	0.00	0.42	0.42	0.42	0.42
31	0.00	0.39	0.39	0.39	0.39
MIN	0.00	0.09	0.09	0.09	0.09
MAX	0.00	0.52	0.52	0.52	0.52
AVERAGE	0.00	0.38	0.38	0.38	0.38

EXAMPLE CONV
RED HEAD
BLUE HEAD

October 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	8.0	<5.0	<1.0	<1.0	770	<1.0	7.3	<15.0	27.2	<100	<5.0
3													
4													
5													
6													
7													
8													
9	<3.0	<0.50	9.3	1.0	<1.0	<1.0	618	<0.20	4.3	<15.0	25.1	120	<1.0
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MIN	0.00	0.00	8.00	1.00	0.00	0.00	618.00	0.00	4.30	0.00	25.10	120.00	0.00
MAX	0.00	0.00	9.30	1.00	0.00	0.00	770.00	0.00	7.30	0.00	27.20	120.00	0.00
AVERAGE	#DIV/0!	#DIV/0!	8.7	1.00	#DIV/0!	#DIV/0!	694.0	#DIV/0!	6	#DIV/0!	26.2	120	#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
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October 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	32.1	<10.0	0.740	65.0	61.8	60300	17.2	<1.0	5.9	<2.0	<4.0	434	120
3													
4													
5													
6													
7													
8													
9	26.8	<5.0	0.00054	54.6	27.4	50300	13.3	<0.20	<5.0	<2.0	<4.0	444	80.2
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MIN	26.80	0.00	0.00	54.60	27.40	50300.00	13.30	0.00	5.90	0.00	0.00	434.00	80.20
MAX	32.10	0.00	0.74	65.00	61.80	60300.00	17.20	0.00	5.90	0.00	0.00	444.00	120.00
AVERAGE	29.5	#DIV/0!	0.37	59.8	44.6	55300	15.3	#DIV/0!	5.9	#DIV/0!	#DIV/0!	439.0	100

EXAMPLE CONV

October 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)
CODE	22706	81020	01045	99991	99992	00300	09001	90002	90004	90005	90006	90007
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	G	G	G	G	G	G	G	G	G	G	G	G
1												
2	<5.0	858000	<50.0	5.69	9.45	10.05	139	12.5	6.6	1420	937	0.036
3												
4												
5												
6												
7												
8												
9	<1.0	525000	<50.0	4.23	9.42	9.85	105	19.4	5.8	712	662	0.057
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
MIN	0.00	525000.00	0.00	4.23	9.42	9.85	105.00	12.50	5.80	712.00	662.00	0.04
MAX	0.00	858000.00	0.00	5.69	9.45	10.05	139.00	19.40	6.60	1420.00	937.00	0.06
AVERAGE	#DIV/0!	691500.0	#DIV/0!	4.96	9.43	10.0	122	16.0	6.2	1066	800	0.05

EXAMPLE CONV

October 2018  
WTP RO Influent Sample Results

PARAMETER	Specific Conductance (µmhos/cm)	Influent Flow (US GPD)	Influent Flow (US GPY)
CODE	90019	90027	90028
Monitoring Point	EQ-1	EQ-1	EQ-1
STAGE	G	G	G
1		187,890	42,973,408
2	5,918	130,536	43,103,944
3		57,458	43,161,402
4		56,071	43,217,474
5		136,140	43,353,614
6		130,779	43,484,393
7		112,447	43,596,840
8		148,489	43,745,329
9	3,844	231,257	43,976,586
10		187,414	44,164,000
11		233,966	44,397,966
12		144,866	44,542,832
13		212,323	44,755,154
14		229,560	44,984,714
15		219,745	45,204,460
16		229,079	45,433,539
17		227,001	45,660,539
18		221,553	45,882,092
19		196,724	46,078,816
20		108,219	46,187,035
21		155,277	46,342,312
22		231,408	46,573,719
23		209,522	46,783,241
24		215,443	46,998,684
25		165,332	47,164,016
26		265,891	47,429,907
27		276,484	47,706,391
28		241,634	47,948,025
29		256,974	48,204,999
30		270,717	48,475,716
31		248,409	48,724,125
MIN	3844.05	56071	42973408
MAX	5917.51	276484	48724125
AVERAGE	4880.8	191568	45492106

EXAMPLE CONV