

December 2018
WTP Effluent Sample Results

LIMIT	-	-	-	10 mg/L	-	-	285 ug/L	5.0 ug/L	-	-	21 ug/L	-	-	-
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	<3.0	<0.05	<2.0	<1.0	<1.0	<1.0	21.1	<0.20	<1.0	<15.0	<1.0	<100	<1.0	<8.0
5														
6														
7														
8														
9														
10														
11	<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
12														
13														
14														
15														
16														
17														
18	<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	<10.0
19														
20														
21														
22														
23														
24														
25														
26														
27	<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	<10.0
28														
29														
30														
31														
MAX	0.00	0.00	0.00	0.00	0.00	0.00	21.10	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!	21	#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

December 2018
WTP Effluent Sample Results

LIMIT	-	-	-	-	-	25 ug/L	17 ug/L	-	<1.0	<1.4	-	-	-	-
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														
3														
4	<5.0	<0.0005	<5.0	<2.0	<200	<2.0	<0.20	<5.0	<2.0	1.7J	<10.0	0.22	<1.0	<5000
5														
6														
7														
8														
9														
10														
11	<5.0	<0.0005	<5.0	<2.0	<200	<2.0	<0.20	<5.0	<2.0	1.8J	<10.0	0.18	<1.0	<5000
12														
13														
14														
15														
16														
17														
18	<5.0	<0.0005	<5.0	<2.0	<500	<1.0	<0.20	<5.0	<2.0	<1.0	<10.0	0.22	<1.0	<5000
19														
20														
21														
22														
23														
24														
25														
26														
27	<5.0	<0.0005	<5.0	<2.0	<500	<1.0	<0.20	<5.0	<2.0	<1.0	<10.0	0.33	<1.0	<5000
28														
29														
30														
31														
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	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!	0.24	#DIV/0!	#DIV/0!

EXAMPLE CONV
RED HEAD
BLUE HEAD

December 2018
WTP Effluent Sample Results

LIMIT	300 mg/L	6.5	9.0	-	-	-	-	-	-	-	-	504,000 GPD	-
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		7.17	9.25								37.34	67,674	50,239,068
2		7.14	8.58								31.26	116,183	50,355,250
3		7.20	8.55								31.44	140,568	50,495,818
4	<50.0	7.11	8.70	9.96	0.58	0.35	<0.050	6.33	1.0	<0.010	27.78	156,434	50,652,252
5		7.33	8.13								32.66	26,112	50,678,364
6		7.21	8.35								36.18	126,358	50,804,722
7		7.15	8.35								29.47	199,621	51,004,342
8		7.16	8.28								32.44	90,050	51,094,392
9		7.24	8.33								30.99	75,596	51,169,988
10		7.28	8.29								37.62	81,325	51,251,314
11	<50.0	7.20	8.27	9.74	0.60	0.41	<0.050	7.42	1.0	0.013	33.17	90,098	51,341,412
12		7.03	8.47								35.22	106,050	51,447,462
13		7.27	8.38								34.61	68,168	51,515,630
14		7.29	8.58								39.44	88,641	51,604,271
15		7.25	8.24								38.55	77,457	51,681,728
16		7.15	8.29								36.17	90,884	51,772,612
17		7.18	8.38								34.49	149,165	51,921,778
18	<50.0	7.16	8.32	9.88	0.69	0.46	0.014	6.83	<1.0	<0.050	35.12	124,997	52,046,775
19		7.16	8.33								36.13	143,365	52,190,140
20		7.12	8.19								31.48	102,446	52,292,586
21		6.99	8.39								35.01	112,929	52,405,515
22		7.23	8.67								40.87	97,109	52,502,624
23		7.26	8.33								39.70	68,744	52,571,368
24		7.47	7.67								39.06	0.00	52,571,368
25		7.67	7.87								38.92	0.00	52,571,368
26		7.15	8.31								40.34	138,255	52,709,623
27	<50.0	7.23	8.19	9.77	0.94	0.58	0.027	8.55	1.1	<0.050	40.42	93,076	52,802,699
28		7.26	8.10								36.55	49,263	52,851,962
29		7.35	8.20								42.71	49,526	52,901,489
30		7.26	8.34								50.78	54,081	52,955,569
31		7.26	8.59								35.75	66,709	53,022,278
MAX	0.00	7.67	9.25	10.0	0.94	0.58	0.03	8.55	1.10	0.013	50.78	199621	53022278
AVERAGE	#DIV/0!	7.22	8.35	9.84	0.70	0.45	0.02	7.28	1.03	0.013	36.18	91964	51787928

EXAMPLE CONV
RED HEAD
BLUE HEAD

December 2018
WTP Effluent Sample Results

LIMIT	-	-	-	-	-
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	0.14	0.14	0.00	0.14	0.14
2	0.24	0.24	0.00	0.24	0.24
3	0.00	0.29	0.29	0.29	0.29
4	0.00	0.32	0.32	0.32	0.32
5	0.00	0.05	0.05	0.05	0.05
6	0.00	0.26	0.26	0.26	0.26
7	0.00	0.41	0.41	0.41	0.41
8	0.00	0.18	0.18	0.18	0.18
9	0.00	0.15	0.15	0.15	0.15
10	0.00	0.17	0.17	0.17	0.17
11	0.00	0.18	0.18	0.18	0.18
12	0.00	0.22	0.22	0.22	0.22
13	0.00	0.14	0.14	0.14	0.14
14	0.00	0.18	0.18	0.18	0.18
15	0.00	0.16	0.16	0.16	0.16
16	0.00	0.19	0.19	0.19	0.19
17	0.00	0.30	0.30	0.30	0.30
18	0.00	0.26	0.26	0.26	0.26
19	0.00	0.29	0.29	0.29	0.29
20	0.00	0.21	0.21	0.21	0.21
21	0.00	0.23	0.23	0.23	0.23
22	0.00	0.20	0.20	0.20	0.20
23	0.00	0.14	0.14	0.14	0.14
24	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00
26	0.00	0.28	0.28	0.28	0.28
27	0.00	0.19	0.19	0.19	0.19
28	0.00	0.10	0.10	0.10	0.10
29	0.00	0.10	0.10	0.10	0.10
30	0.00	0.11	0.11	0.11	0.11
31	0.00	0.14	0.14	0.14	0.14
MAX	0.24	0.41	0.41	0.41	0.41
AVERAGE	0.01	0.19	0.18	0.19	0.19

EXAMPLE CONV
RED HEAD
BLUE HEAD

December 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	3.9	<0.05	11.7	1.1	<1.0	<1.0	815	0.22	6.7	<15.0	26.8	140	1.3	27.7
5														
6														
7														
8														
9														
10														
11	3.0	<0.05	10.3	<1.0	<1.0	<1.0	748	0.28	4.9	<15.0	22.3	140	1.1	36.5
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														
31														
MAX	3.90	0.00	11.7	1.10	0.00	0.00	815	0.28	6.70	0.00	26.8	140	1.30	36.50
AVERAGE	3.45	#DIV/0!	11.0	1.10	#DIV/0!	#DIV/0!	782	0.25	5.80	#DIV/0!	24.6	140	1.20	32.1

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

December 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	5.3	<0.0005	63.5	22.1	64000	24.9	<0.20	6.5	<2.0	<8.0	714	137	<1.0	794000
5														
6														
7														
8														
9														
10														
11	<5.0	<0.0005	49.5	19.1	70700	17.0	<0.20	<5.0	<2.0	<20.0	643	123	<1.0	<5000
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														
31														
MAX	5.30	0.00	63.50	22.10	70700.00	24.90	0.00	6.50	0.00	0.00	714.00	137.00	0.00	794000.00
AVERAGE	5.30	#DIV/0!	56.5	20.6	67350	21.0	#DIV/0!	6.5	#DIV/0!	#DIV/0!	678.5	130	#DIV/0!	794000.0

EXAMPLE CONV
RED HEADI
BLUE HEADI

December 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												78,464	54,158,576
2												125,141	54,283,718
3												142,681	54,426,399
4	<50.0	4.01	9.21	11.31	171	25.7	7.9	1270	1240	0.073	6,358	171,226	54,597,625
5												37,185	54,634,811
6												141,007	54,775,818
7												220,228	54,996,046
8												110,488	55,106,534
9												80,531	55,187,064
10												88,473	55,275,538
11	<50.0	5.72	9.20	10.77	163	32.6	7.3	1270	1240	0.053	6,636	138,580	55,414,117
12												132,776	55,546,893
13												59,585	55,606,478
14												99,185	55,705,663
15												87,944	55,793,607
16												103,031	55,896,637
17												167,963	56,064,600
18												160,308	56,224,908
19												173,279	56,398,188
20												113,406	56,511,594
21												140,356	56,651,950
22												97,378	56,749,328
23												90,963	56,840,291
24												0.00	56,840,291
25												0.00	56,840,291
26												144,189	56,984,480
27												105,952	57,090,432
28												66,209	57,156,641
29												45,074	57,201,715
30												54,513	57,256,228
31												73,347	57,329,575
MAX	0.00	5.72	9.21	11.31	171.00	32.60	7.90	1270	1240.00	0.07	6635.77	220228	57329575
AVERAGE	#DIV/0!	4.87	9.21	11.0	167	29.2	7.6	1270	1240	0.06	6496.9	104821	55920840

EXAMPLE CONV
RED HEADII
BLUE HEADI