

August 2016
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)
CODE	00310	01105	01097	01002	01007	01012	01022	01027	01034	01037
Monitoring Point	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										
2	<2.0	<0.05	<1.0	<1.0	<5.0	<1.0	<20	<0.20	<1.0	<15
3										
4										
5										
6										
7										
8	<2.0	<0.05	<1.0	<1.0	<5.0	<1.0	<20	<0.20	<1.0	<15
9										
10										
11										
12										
13										
14										
15										
16										
17	<2.0	<0.05	<1.0	<1.0	<5.0	<1.0	<20	<0.20	<1.0	<15
18										
19										
20										
21										
22										
23	<2.0	<0.05	<1.0	<1.0	<5.0	<1.0	<20	<0.20	<1.0	<15
24										
25										
26										
27										
28										
29										
30	<2.0	<0.05	<1.0	<1.0	<5.0	<1.0	<20	<0.20	<1.0	<15
31										

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PARAMETER	Total Copper (µg/L)	Total Fluoride (µg/L)	Total Lead (µg/L)	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)
CODE	01042	00951	01051	01132	01055	71900	01062	01067	00937	01147
Monitoring Point	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										
2	<1.0	<100	<1.0	<8.0	<5.0	<0.0005	<5.0	<2.0	<200	<1.0
3										
4										
5										
6										
7										
8	<1.0	<100	<1.0	<8.0	<5.0	<0.0005	<5.0	<2.0	230	<1.0
9										
10										
11										
12										
13										
14										
15										
16										
17	<1.0	<100	<1.0	<8.0	<5.0	<0.0005	<5.0	<2.0	280	<1.0
18										
19										
20										
21										
22										
23	<1.0	<100	<1.0	<8.0	<5.0	<0.0005	<5.0	<2.0	<200	<1.0
24										
25										
26										
27										
28										
29										
30	<1.0	<100	<1.0	<8.0	<5.0	<0.0005	<5.0	<2.0	830	<1.0
31										

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PARAMETER	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)	Total Iron (µg/L)	pH (minimum)
CODE	01077	01082	01059	01087	01092	00620	22706	81020	01045	99991
Monitoring Point	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										7.36
2	<0.20	<5.0	<2.0	<1.0	<10	<0.05	<1.0	<5000	<50	7.35
3										7.37
4										7.12
5										7.49
6										7.37
7										7.35
8	<0.20	<5.0	<2.0	<1.0	<10	0.066	<1.0	<5000	<50	7.34
9										
10										7.33
11										7.25
12										
13										7.24
14										7.21
15										7.29
16										7.36
17	<0.20	<5.0	<2.0	<1.0	<10	0.054	<1.0	<5000	<50	7.25
18										7.26
19										7.24
20										7.08
21										7.09
22										7.10
23	<0.20	<5.0	<2.0	<1.0	<10	<0.05	<1.0	<5000	<50	7.13
24										7.04
25										7.13
26										7.26
27										7.19
28										7.21
29										7.29
30	<0.20	<5.0	<2.0	<1.0	<10	<0.05	<1.0	<5000	<50	7.07
31										7.28

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PARAMETER	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	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
STAGE	1	1	1	1	1	1	1	1	1	1
1	8.56								28.69	42186
2	8.38	8.12	0.29	0.29	<0.05	6.6	<1.0	<0.01	29.97	50866
3	8.57								32.04	77775
4	8.44								39.64	196532
5	8.51								40.47	57597
6	8.35								39.69	96506
7	8.56								36.15	42056
8	8.53	8.08	0.36	0.29	<0.05	7.6	<1.0	0.0103	37.01	78533
9										0
10	8.19								37.74	68841
11	8.11								37.69	50938
12										0
13	8.28								29.86	46911
14	7.88								24.68	98135
15	8.49								26.46	15764
16	8.56								28.60	37099
17	8.68	8.26	0.37	0.32	<0.05	6.3	1.2	<0.01	28.33	262332
18	8.45								29.57	133113
19	8.31								28.67	222665
20	8.40								26.00	363987
21	8.20								20.73	367492
22	8.26								21.32	337603
23	8.16	8.41	0.20	0.20	<0.05	4.8	<1.0	<0.01	22.58	367896
24	8.20								23.03	364026
25	8.18								25.74	151467
26	8.28								26.11	162883
27	8.02								25.26	116728
28	8.21								27.03	92292
29	8.12								29.09	72214
30	8.36	8.17	0.27	0.27	<0.05	10.0	<1.0	<0.01	32.08	92881
31	8.04								33.42	74708

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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	29515117	0.00	0.09	0.09	0.09	0.09
2	29565982	0.00	0.10	0.10	0.10	0.10
3	29643758	0.00	0.16	0.16	0.16	0.16
4	29840289	0.00	0.40	0.40	0.40	0.40
5	29897886	0.00	0.12	0.12	0.12	0.12
6	29994392	0.00	0.20	0.20	0.20	0.20
7	30036448	0.00	0.09	0.09	0.09	0.09
8	30114981	0.00	0.16	0.16	0.16	0.16
9	30114981	0.00	0.00	0.00	0.00	0.00
10	30183822	0.00	0.14	0.14	0.14	0.14
11	30234760	0.00	0.10	0.10	0.10	0.10
12	30234760	0.00	0.00	0.00	0.00	0.00
13	30281671	0.00	0.10	0.10	0.10	0.10
14	30379806	0.00	0.20	0.20	0.20	0.20
15	30395570	0.00	0.03	0.03	0.03	0.03
16	30432670	0.00	0.08	0.08	0.08	0.08
17	30695001	0.00	0.54	0.54	0.54	0.54
18	30828114	0.00	0.27	0.27	0.27	0.27
19	31050779	0.00	0.45	0.45	0.45	0.45
20	31414767	0.00	0.74	0.74	0.74	0.74
21	31782259	0.00	0.75	0.75	0.75	0.75
22	32119862	0.00	0.69	0.69	0.69	0.69
23	32487758	0.00	0.75	0.75	0.75	0.75
24	32851784	0.00	0.74	0.74	0.74	0.74
25	33003250	0.00	0.31	0.31	0.31	0.31
26	33166133	0.00	0.33	0.33	0.33	0.33
27	33282861	0.00	0.24	0.24	0.24	0.24
28	33375153	0.00	0.19	0.19	0.19	0.19
29	33447367	0.00	0.15	0.15	0.15	0.15
30	33540248	0.19	0.00	0.19	0.19	0.19
31	33614956	0.15	0.00	0.15	0.15	0.15

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CODE	00310	01105	01097	01002	01007	01012	01022	01027	01034	01037
Monitoring Point	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
1										
2	<2.0	<.05	2.5	1.1	<5.0	<1.0	850	<0.20	2.0	<15
3										
4										
5										
6										
7										
8	9.3	<.05	2.4	1.0	<5.0	<1.0	750	<0.20	1.7	<15
9										
10										
11										
12										
13										
14										
15										
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PARAMETER	Total Copper (µg/L)	Total Fluoride (µg/L)	Total Lead (µg/L)	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)
CODE	01042	00951	01051	01132	01055	71900	01062	01067	00937	01147
Monitoring Point	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
1										
2	4.8	110	<1.0	12	<5.0	<0.0005	31	14	41000	4.6
3										
4										
5										
6										
7										
8	6.4	120	<1.0	11	<5.0	<0.0005	34	13	45000	6.4
9										
10										
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PARAMETER	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)	Total Iron (µg/L)	pH (minimum)
CODE	01077	01082	01059	01087	01092	00620	22706	81020	01045	99991
Monitoring Point	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	IF-1	EQ-1	EQ-1	EQ-1	EQ-1
STAGE	G	G	G	G	G	G	G	G	G	G
1										
2	<0.20	<5.0	<2.0	2.7	48	35	<1.0	450000	<50	6.53
3										
4										
5										
6										
7										
8	<0.20	<5.0	<2.0	2.5	45	36	<1.0	510000	<50	6.49
9										
10										
11										
12										
13										
14										
15										
16										
17										
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30										
31										

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PARAMETER	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)
CODE	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
STAGE	G	G	G	G	G	G	G	G	G	G
1										52392
2	9.68	8.12	43	4.5	3.8	440	250	<0.01	2290	72528
3										95056
4										243392
5										89528
6										121544
7										54056
8	9.42	7.88	47	5.8	4.9	450	240	0.0172	2404	98456
9										64
10										85112
11										60536
12										128
13										53720
14										123544
15										27928
16										43624
17										328944
18										179984
19										279312
20										457632
21										461824
22										427920
23										467144
24										459960
25										189904
26										208600
27										146872
28										119904
29										92632
30										119848
31										95176

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PARAMETER	Influent Flow (US GPY)
CODE	90028
Monitoring Point	EQ-1
STAGE	G
1	38426200
2	38498728
3	38593784
4	38837176
5	38926704
6	39048248
7	39102304
8	39200760
9	39200824
10	39285936
11	39346472
12	39346600
13	39400320
14	39523864
15	39551792
16	39595416
17	39924360
18	40104344
19	40383656
20	40841288
21	41303112
22	41731032
23	42198176
24	42658136
25	42848040
26	43056640
27	43203512
28	43323416
29	43416048
30	43535896
31	43631072