

September 2019
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)
CODE	00310	01105	01097	01002	01007	01012	01022	01027	01034	01037	01042
Monitoring Point	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											
2											
3	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	55.3	<0.20	<1.0	<15.0	<1.0
4											
5											
6											
7											
8											
9											
10	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	38	<0.20	<1.0	<15.0	<1.0
11											
12											
13											
14											
15											
16											
17	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	48.3	<0.20	<1.0	<15.0	<1.0
18											
19											
20											
21											
22											
23											
24	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	32.8	<0.20	<1.0	<15.0	<1.0
25											
26											
27											
28											
29											
30											
MIN	0.00	0.00	0.00	0.00	0.00	0.00	32.80	0.00	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	55.30	0.00	0.00	0.00	0.00
AVERAGE	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	44	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

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PARAMETER	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)	Total Silver (µg/L)
CODE	00951	01051	01132	01055	71900	01062	01067	00937	01147	01077
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										
3	<100.0	<1.0	<10.0	<5.0	<0.005	<5.0	<2.0	<500.0	<1.0	<0.20
4										
5										
6										
7										
8										
9										
10	<100.0	<1.0	<10.0	<5.0	<0.005	<5.0	<2.0	622	<1.0	<0.20
11										
12										
13										
14										
15										
16										
17	<100.0	<1.0	<10.0	<5.0	<0.005	<5.0	<2.0	<500.0	<1.0	<0.20
18										
19										
20										
21										
22										
23										
24	<100.0	<1.0	<10.0	<5.0	<0.005	<5.0	<2.0	<500.0	<1.0	<0.20
25										
26										
27										
28										
29										
30										
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	622.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	622.00	0.00	0.00
AVERAGE	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	622	#DIV/0!	#DIV/0!

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PARAMETER	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)	pH (maximum)
CODE	01082	01059	01087	01092	00620	22706	81020	01045	99991	99992
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									7.24	8.20
2									7.21	8.32
3	<5.0	<2.0	<1.0	<10.0	0.7	<1.0	<10000.0	<50.0	7.13	8.18
4									7.06	8.23
5									7.16	8.19
6									7.20	8.20
7									7.10	8.22
8									7.10	8.23
9									7.14	8.27
10	<5.0	<2.0	<1.0	<10.0	0.52	<1.0	<10000.0	<50.0	7.18	8.30
11									7.22	8.41
12									7.15	8.29
13									7.20	8.23
14									7.22	8.27
15									7.19	8.58
16									7.22	8.49
17	<5.0	<2.0	<1.0	<10.0	0.85	<1.0	<10000.0	<50.0	7.29	8.38
18									7.29	8.54
19									7.57	7.59
20									7.45	8.17
21									7.36	8.52
22									7.67	7.88
23									7.23	8.50
24	<5.0	<2.0	<1.0	<10.0	0.65	<1.0	<10000.0	<50.0	7.21	8.38
25									7.10	8.75
26									7.11	8.51
27									7.12	8.59
28									7.00	8.72
29									7.04	8.56
30									7.28	8.55
MIN	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00	7.00	7.59
MAX	0.00	0.00	0.00	0.00	0.85	0.00	0.00	0.00	7.67	8.75
AVERAGE	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.68	#DIV/0!	#DIV/0!	#DIV/0!	7.21	8.34

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PARAMETER	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	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
STAGE	1	1	1	1	1	1	1	1	1	1
1								41.69	130,041	42,967,292
2								49.45	218,336	43,185,627
3	8.68	1.1	0.34	0.041	10.7	2.5	<0.05	41.46	224,250	43,409,877
4								36.35	193,868	43,603,745
5								45.25	212,308	43,816,053
6								48.64	170,908	43,986,961
7								45.85	208,746	44,195,706
8								41.54	224,195	44,419,901
9								45.55	215,607	44,635,509
10	8.98	0.94	0.39	0.033	10.60	2.2	<0.05	54.52	147,658	44,783,167
11								52.29	196,421	44,979,588
12								57.05	221,174	45,200,762
13								46.46	97,060	45,297,822
14								50.51	213,562	45,511,384
15								52.33	204,708	45,716,092
16								61.84	194,899	45,910,990
17	8.37	1.4	0.48	0.051	15.4	3.6	<0.05	66.82	217,423	46,128,413
18								73.14	175,247	46,303,660
19								84.01	0	46,303,660
20								89.61	18,295	46,321,956
21								81.01	146,880	46,468,836
22								79.74	0	46,468,836
23								68.48	109,124	46,577,960
24	8.63	1.2	0.49	0.053	12.1	2.7	<0.05	60.56	224,927	46,802,887
25								47.18	222,013	47,024,899
26								54.75	207,235	47,232,134
27								49.91	155,806	47,387,940
28								34.41	219,033	47,606,974
29								44.14	171,594	47,778,568
30								60.25	7,675	47,786,243
MIN	8.37	0.94	0.34	0.03	10.60	2.20	0.000	34.41	0.00	42967292
MAX	8.98	1.40	0.49	0.05	15.40	3.60	0.000	89.61	224927	47786243
AVERAGE	8.67	1.16	0.43	0.04	12.20	2.75	#DIV/0!	55.49	164966	45593781

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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	0.27	0.27	0.27	0.27
2	0.00	0.45	0.45	0.45	0.45
3	0.00	0.46	0.46	0.46	0.46
4	0.00	0.40	0.40	0.40	0.40
5	0.00	0.43	0.43	0.43	0.43
6	0.00	0.35	0.35	0.35	0.35
7	0.00	0.43	0.43	0.43	0.43
8	0.00	0.46	0.46	0.46	0.46
9	0.00	0.44	0.44	0.44	0.44
10	0.00	0.30	0.30	0.30	0.30
11	0.00	0.40	0.40	0.40	0.40
12	0.00	0.45	0.45	0.45	0.45
13	0.00	0.20	0.20	0.20	0.20
14	0.00	0.44	0.44	0.44	0.44
15	0.00	0.42	0.42	0.42	0.42
16	0.00	0.40	0.40	0.40	0.40
17	0.00	0.44	0.44	0.44	0.44
18	0.00	0.36	0.36	0.36	0.36
19	0.00	0.00	0.00	0.00	0.00
20	0.00	0.04	0.04	0.04	0.04
21	0.00	0.30	0.30	0.30	0.30
22	0.00	0.00	0.00	0.00	0.00
23	0.00	0.22	0.22	0.22	0.22
24	0.00	0.46	0.46	0.46	0.46
25	0.00	0.45	0.45	0.45	0.45
26	0.00	0.42	0.42	0.42	0.42
27	0.00	0.32	0.32	0.32	0.32
28	0.00	0.45	0.45	0.45	0.45
29	0.00	0.35	0.35	0.35	0.35
30	0.00	0.02	0.02	0.02	0.02
MIN	0.00	0.00	0.00	0.00	0.00
MAX	0.00	0.46	0.46	0.46	0.46
AVERAGE	0.00	0.34	0.34	0.34	0.34

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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)
CODE	00310	01105	01097	01002	01007	01012	01022	01027	01034	01037	01042
Monitoring Point	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
1											
2											
3	2.1	<0.05	22.3	2.1	<1.0	<1.0	963	0.3	4.6	<15.0	14.8
4											
5											
6											
7											
8											
9											
10	<2.0	<0.05	24.4	1.9	<1.0	<1.0	876	0.27	5.9	<15.0	13.8
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
MIN	2.10	0.00	22.30	1.90	0.00	0.00	876.00	0.27	4.60	0.00	13.80
MAX	2.10	0.00	24.40	2.10	0.00	0.00	963	0.30	5.90	0.00	14.80
AVERAGE	2.10	#DIV/0!	23.4	2.00	#DIV/0!	#DIV/0!	920	0.29	5.25	#DIV/0!	14.3

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PARAMETER	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)	Total Silver (µg/L)	Total Strontium (µg/L)
CODE	00951	01051	01132	01055	71900	01062	01067	00937	01147	01077	01082
Monitoring Point	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
1											
2											
3	<100.0	2.3	56.8	<5.0	<0.00051	46.1	63.1	89100	16.6	<0.20	13.6
4											
5											
6											
7											
8											
9											
10	<100.0	2.6	45.7	<5.0	<0.0005	39.2	52.5	74400	14.7	<0.20	12.8
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
MIN	0.00	2.30	45.70	0.00	0.00	39.20	52.50	74400.00	14.70	0.00	12.80
MAX	0.00	2.60	56.80	0.00	0.00	46.10	63.10	89100.00	16.60	0.00	13.60
AVERAGE	#DIV/0!	2.45	51.3	#DIV/0!	#DIV/0!	42.7	57.8	81750	15.7	#DIV/0!	13.2

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PARAMETER	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)	pH (maximum)	Dissolved Oxygen (mg/L)	Total Inorganic Nitrogen (mg/L)
CODE	01059	01087	01092	00620	22706	81020	01045	99991	99992	00300	09001
Monitoring Point	EQ-1	EQ-1	EQ-1	IF-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
1											
2											
3	<2.0	2	475	115	<1.0	1450000	117	6.38	9.22	8.78	136
4											
5											
6											
7											
8											
9											
10	<2.0	2.4	365	116	<1.0	1190000	114	4.48	9.19	8.73	138
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
MIN	0.00	2.00	365.00	115.00	0.00	1190000	114	4.48	9.19	8.73	136.00
MAX	0.00	2.40	475.00	116.00	0.00	1450000	117	6.38	9.22	8.78	138.00
AVERAGE	#DIV/0!	2.2	420.0	116	#DIV/0!	1320000	116	5.43	9.21	8.8	137

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PARAMETER	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	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
STAGE	G	G	G	G	G	G	G	G
1							137,386	42,657,397
2							221,413	42,878,811
3	13.5	7.3	1680	1820	<0.05	7,544	229,794	43,108,605
4							199,194	43,307,799
5							220,123	43,527,922
6							174,242	43,702,164
7							213,649	43,915,813
8							230,267	44,146,081
9							218,422	44,364,503
10	14.8	7.3	1520	1750	<0.05	7,550	164,605	44,529,108
11							202,982	44,732,090
12							228,626	44,960,716
13							102,590	45,063,306
14							221,748	45,285,055
15							215,675	45,500,730
16							205,211	45,705,941
17							226,531	45,932,472
18							185,838	46,118,309
19							0	46,118,309
20							17,448	46,135,757
21							153,608	46,289,365
22							0	46,289,365
23							108,150	46,397,515
24							228,977	46,626,491
25							221,536	46,848,028
26							225,873	47,073,901
27							154,417	47,228,318
28							223,018	47,451,336
29							178,000	47,629,337
30							9,814	47,639,150
MIN	13.50	7.30	1520.00	1750.00	0.00	7544	0	42657397
MAX	14.80	7.30	1680.00	1820.00	0.00	7550	230267	47639150
AVERAGE	14.2	7.3	1600.0	1785.0	#DIV/0!	7547	170638	45372123