

August 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											
4											
5											
6	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	42.8	<0.20	<1.0	<15.0	<1.0
7											
8											
9											
10											
11											
12											
13											
14	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	47.8	<0.20	<1.0	<15.0	1.1
15											
16											
17											
18											
19											
20	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	61.6	<0.20	<1.0	<15.0	<1.0
21											
22											
23											
24											
25											
26											
27	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	56.7	<0.20	<1.0	<15.0	<1.0
28											
29											
30											
31											
MIN	0.00	0.00	0.00	0.00	0.00	0.00	42.80	0.00	0.00	0.00	1.10
MAX	0.00	0.00	0.00	0.00	0.00	0.00	61.60	0.00	0.00	0.00	1.10
AVERAGE	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	52	#DIV/0!	#DIV/0!	#DIV/0!	1.1

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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										
4										
5										
6	<100.0	<1.0	<10.0	<5.0	<0.005	<5.0	<2.0	<500.0	<1.0	<0.20
7										
8										
9										
10										
11										
12										
13										
14	<100.0	<1.0	<10.0	<5.0	<0.005	<5.0	<2.0	<500.0	<1.0	<0.20
15										
16										
17										
18										
19										
20	<100.0	<1.0	<10.0	<5.0	<0.005	<5.0	<2.0	518	<1.0	<0.20
21										
22										
23										
24										
25										
26										
27	<100.0	<1.0	<10.0	<5.0	<0.005	<5.0	<2.0	<500.0	<1.0	<0.20
28										
29										
30										
31										
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	518.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	518.00	0.00	0.00
AVERAGE	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	518	#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)	Dissolved Oxygen (mg/L)
CODE	01082	01059	01087	01092	00620	22706	81020	01045	99991	99992	00300
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									7.35	8.32	
2									7.26	8.45	
3									7.29	8.25	
4									7.33	8.19	
5									7.32	8.57	
6	<5.0	<2.0	<1.0	<10.0	0.47	<1.0	<10000.0	<50.0	7.10	8.22	7.98
7									7.29	8.40	
8									7.18	8.52	
9									7.11	8.42	
10									7.20	8.36	
11									7.17	8.48	
12									7.26	8.27	
13									7.19	8.39	
14	<5.0	<2.0	<1.0	<10.0	0.62	<1.0	<10000.0	<50.0	7.19	8.10	8.20
15									7.19	8.40	
16									7.64	7.76	
17									7.52	8.14	
18									7.39	8.13	
19									7.45	8.27	
20	<5.0	<2.0	<1.0	<10.0	0.84	<1.0	<10000.0	<50.0	7.34	8.19	8.38
21									7.61	7.76	
22									7.29	8.16	
23									7.30	8.05	
24									7.17	8.18	
25									7.25	8.01	
26									7.27	8.29	
27	<5.0	<2.0	<1.0	<10.0	0.7	<1.0	<10000.0	<50.0	7.25	8.24	8.35
28									7.30	8.27	
29									7.15	8.32	
30									7.10	8.41	
31									7.12	8.23	
MIN	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	7.10	7.76	7.98
MAX	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.00	7.64	8.57	8.4
AVERAGE	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.66	#DIV/0!	#DIV/0!	#DIV/0!	7.28	8.25	8.23

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PARAMETER	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)	Land Application Rate (gal/day/sq ft)
CODE	09001	90002	90004	90005	90006	90007	90019	90027	90028	90010
Monitoring Point	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	RI 1
STAGE	1	1	1	1	1	1	1	1	1	RI
1							64.06	217,211	38,712,541	0.44
2							59.04	209,824	38,922,365	0.43
3							69.48	220,350	39,142,715	0.45
4							65.22	97,129	39,239,844	0.20
5							55.94	182,179	39,422,023	0.37
6	0.99	0.49	0.032	9.98	1.7	<0.05	43.37	224,948	39,646,971	0.46
7							58.14	230,519	39,877,490	0.47
8							48.56	213,664	40,091,154	0.44
9							45.15	213,688	40,304,841	0.44
10							54.89	213,013	40,517,854	0.44
11							55.58	220,553	40,738,408	0.45
12							67.15	143,457	40,881,865	0.29
13							58.30	212,106	41,093,971	0.43
14	1	0.34	0.045	10.7	2.5	<0.05	58.01	179,319	41,273,289	0.37
15							66.35	79,754	41,353,043	0.16
16							123.12	0	41,353,043	0.00
17							168.23	2,710	41,355,753	0.01
18							72.66	59,502	41,415,255	0.12
19							63.49	111,498	41,526,753	0.23
20	1.6	0.76	0.055	14.00	3.3	<0.05	62.40	120,050	41,646,803	0.25
21							58.68	0	41,646,803	0.00
22							56.34	148,114	41,794,917	0.30
23							51.10	12,358	41,807,275	0.03
24							51.53	114,446	41,921,721	0.23
25							47.81	35,321	41,957,042	0.07
26							50.50	125,026	42,082,067	0.26
27	1.2	0.4	0.054	10.9	2.3	<0.05	46.90	101,356	42,183,423	0.21
28							55.42	45,403	42,228,826	0.09
29							43.74	209,862	42,438,688	0.43
30							44.91	221,127	42,659,815	0.45
31							41.01	177,436	42,837,251	0.36
MIN	0.99	0.34	0.03	9.98	1.70	0.000	41.01	0.00	38712541	0.00
MAX	1.60	0.76	0.06	14.00	3.30	0.000	168.23	230518.53	42837251	0.47
AVERAGE	1.20	0.50	0.05	11.40	2.45	#DIV/0!	61.52	140061.98	41034639	0.29

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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)
CODE	90010	90010	90010	90010
Monitoring Point	RI 2	RI 3	RI 4	RI 5
STAGE	RI	RI	RI	RI
1	0.44	0.44	0.44	0.00
2	0.43	0.43	0.43	0.00
3	0.45	0.45	0.45	0.00
4	0.20	0.20	0.20	0.00
5	0.37	0.37	0.37	0.00
6	0.46	0.46	0.46	0.00
7	0.47	0.47	0.47	0.00
8	0.44	0.44	0.44	0.00
9	0.44	0.44	0.44	0.00
10	0.44	0.44	0.44	0.00
11	0.45	0.45	0.45	0.00
12	0.29	0.29	0.29	0.00
13	0.43	0.43	0.43	0.00
14	0.37	0.37	0.37	0.00
15	0.16	0.16	0.16	0.00
16	0.00	0.00	0.00	0.00
17	0.01	0.01	0.01	0.00
18	0.12	0.12	0.12	0.00
19	0.23	0.23	0.23	0.00
20	0.25	0.25	0.25	0.00
21	0.00	0.00	0.00	0.00
22	0.30	0.30	0.30	0.00
23	0.03	0.03	0.03	0.00
24	0.23	0.23	0.23	0.00
25	0.07	0.07	0.07	0.00
26	0.26	0.26	0.26	0.00
27	0.21	0.21	0.21	0.00
28	0.09	0.09	0.09	0.00
29	0.43	0.43	0.43	0.00
30	0.45	0.45	0.45	0.00
31	0.36	0.36	0.36	0.00
MIN	0.00	0.00	0.00	0.00
MAX	0.47	0.47	0.47	0.00
AVERAGE	0.29	0.29	0.29	0.00

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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											
4											
5											
6	2.5	<0.05	15.4	2.2	<1.0	<1.0	1120	0.28	3.5	<15.0	16.4
7											
8											
9											
10											
11											
12											
13											
14	2.4	<0.05	18.1	2.3	<1.0	<1.0	1050	0.25	2.2	<15.0	16.7
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
MIN	2.40	0.00	15.40	2.20	0.00	0.00	1050.00	0.25	2.20	0.00	16.40
MAX	2.50	0.00	18.10	2.30	0.00	0.00	1120	0.28	3.50	0.00	16.70
AVERAGE	2.45	#DIV/0!	16.8	2.25	#DIV/0!	#DIV/0!	1085	0.27	2.85	#DIV/0!	16.6

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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											
4											
5											
6	100	2.7	43.1	<5.0	0.0007	43.3	71.5	72200	14.7	<0.20	<5.0
7											
8											
9											
10											
11											
12											
13											
14	<100.0	2.7	47.6	<5.0	<0.0005	47.5	67.7	79900	16.1	<0.20	<5.0
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
MIN	100.00	2.70	43.10	0.00	0.00	43.30	67.70	72200.00	14.70	0.00	0.00
MAX	100.00	2.70	47.60	0.00	0.00070	47.50	71.50	79900.00	16.10	0.00	0.00
AVERAGE	100	2.70	45.4	#DIV/0!	0.00070	45.4	69.6	76050	15.4	#DIV/0!	#DIV/0!

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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								3.55	9.91		
2											
3											
4											
5											
6	<2.0	2.5	348	118	<1.0	792000	<50.0	4.80	9.63	7.93	134
7											
8											
9											
10											
11											
12											
13											
14	<2.0	1.9	234	131.0	<1.0	867000	<50.0	4.06	9.52	8.16	143
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
MIN	0.00	1.90	234.00	118.00	0.00	792000.00	0	3.55	9.52	7.93	134.00
MAX	0.00	2.50	348.00	131.00	0.00	867000.00	0	4.80	9.91	8.16	143.00
AVERAGE	#DIV/0!	2.2	291.0	125	#DIV/0!	829500	#DIV/0!	4.14	9.69	8.0	139

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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						7,015	224,988	38,036,374
2							220,751	38,257,125
3							228,530	38,485,655
4							101,558	38,587,214
5							192,709	38,779,923
6	7	8.5	1520	1670	<0.05	7,069	226,999	39,006,921
7							229,341	39,236,262
8							220,335	39,456,598
9							219,147	39,675,745
10							221,293	39,897,038
11							227,386	40,124,424
12							160,241	40,284,665
13							219,863	40,504,527
14	9	3.6	1670	1810	<0.05	7,826	223,465	40,727,993
15							98,054	40,826,046
16							0	40,826,046
17							74,769	40,900,815
18							106,995	41,007,811
19							115,779	41,123,589
20							124,727	41,248,317
21							0	41,248,317
22							150,398	41,398,715
23							13,996	41,412,711
24							121,050	41,533,761
25							38,416	41,572,177
26							140,222	41,712,398
27							123,090	41,835,489
28							56,482	41,891,970
29							214,484	42,106,454
30							222,127	42,328,581
31							191,430	42,520,011
MIN	7.00	3.60	1520.00	1670.00	0.00	7015.06	0	38036374
MAX	9.00	8.50	1670.00	1810.00	0.00	7826.04	229341	42520011
AVERAGE	8.0	6.1	1595	1740	#DIV/0!	7303	151891	40533989