

December 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)	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	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15.0	<1.0	<100.0	<1.0	<10.0
4														
5														
6														
7														
8														
9														
10	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15.0	<1.0	<100.0	<1.0	<10.0
11														
12														
13														
14														
15														
16														
17	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15.0	<1.0	<100.0	<1.0	<10.0
18														
19														
20														
21														
22														
23	<2.0	<0.05	<1.0	<1.0	<1.0	<1.0	<20.0	<0.20	<1.0	<15.0	<1.0	<100.0	<1.0	<10.0
24														
25														
26														
27														
28														
29														
30														
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!

Comment Box:

The 12-Month Rolling Average for Mercury is 0.00000 ug/L. Mercury is a permit required parameter and is not included on the DMR form. All 5 Mercury results were non-detect for the month.

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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)
CODE	01055	71900	01062	01067	00937	01147	01077	01082	01059	01087	01092	00620	22706
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													
2													
3	<5.0	<0.0005	<5.0	<2.0	<500.0	<1.0	<0.20	<5.0	<2.0	<1.0	<10.0	0.27	<1.0
4													
5													
6													
7													
8													
9													
10	<5.0	<0.0005	<5.0	<2.0	<500.0	<1.0	<0.20	<5.0	<2.0	<1.0	<10.0	0.32	<1.0
11													
12													
13													
14													
15													
16													
17	<5.0	<0.0005	<5.0	<2.0	<500.0	<1.0	<0.20	<5.0	<2.0	<1.0	<10.0	0.27	<1.0
18													
19													
20													
21													
22													
23	<5.0	<0.0005	<5.0	<2.0	<500.0	<1.0	<0.20	<5.0	<2.0	<1.0	<10.0	0.52	<1.0
24													
25													
26													
27													
28													
29													
30													
31													
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	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	0.52	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!	0.35	#DIV/0!

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PARAMETER	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)	Specific Conductance (µmhos/cm)	Effluent Flow (US GPD)
CODE	81020	01045	99991	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	EQ-1	EQ-1	EQ-1
STAGE	1	1	1	1	1	1	1	1	1	1	1	1	1
1			7.09	8.39								30.20	192,934
2			6.99	8.54								32.53	185,618
3	<10000.0	<50.0	7.10	8.28	9.61	0.49	0.21	0.018	7.77	1.4	<0.05	34.74	116,805
4			7.24	8.27								38.80	75,923
5			7.01	8.34								37.63	112,513
6			7.20	8.29								38.33	115,733
7			7.21	8.36								41.57	101,376
8			7.25	8.37								45.68	95,867
9			7.12	8.34								45.07	133,843
10	<10000.0	<50.0	7.17	8.35	10.27	0.63	0.29	0.025	9.34	1.9	<0.05	39.95	149,405
11			7.14	8.54								43.29	121,678
12			7.11	8.33								51.26	72,943
13			7.14	8.43								47.20	116,050
14			7.06	8.47								47.58	118,095
15			7.16	8.48								45.82	135,713
16			7.03	8.38								35.90	186,736
17	<10000.0	<50.0	7.14	8.37	9.88	0.55	0.26	0.025	7.86	1.5	<0.05	36.82	183,258
18			7.03	8.32								35.21	127,187
19			7.21	8.22								42.70	68,985
20			7.10	8.29								42.03	86,793
21			7.14	8.39								52.63	86,640
22			7.00	8.26								47.49	93,845
23	<10000.0	<50.0	7.11	8.56	9.88	1.1	0.51	0.051	10.50	3.1	<0.05	55.26	107,031
24			7.13	8.60								64.28	61,686
25			7.01	8.28								55.15	38,495
26			7.01	8.54								76.36	52,048
27			6.85	8.57								49.15	68,253
28			7.18	8.46								55.80	54,037
29			6.99	8.34								58.20	93,992
30			7.16	7.92	9.10							44.22	56,887
31			7.02	8.47								36.26	177,536
MIN	0.00	0.00	6.85	7.92	9.10	0.49	0.21	0.02	7.77	1.40	0.000	30.20	38495.05
MAX	0.00	0.00	7.25	8.60	10.3	1.10	0.51	0.05	10.50	3.10	0.000	76.36	192934.35
AVERAGE	#DIV/0!	#DIV/0!	7.10	8.38	9.75	0.69	0.32	0.03	8.87	1.98	#DIV/0!	45.39	109287.23

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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	56,110,359	0.39	0.39	0.00	0.39	0.39
2	56,295,977	0.38	0.38	0.00	0.38	0.38
3	56,412,782	0.24	0.24	0.00	0.24	0.24
4	56,488,705	0.16	0.16	0.00	0.16	0.16
5	56,601,217	0.23	0.23	0.00	0.23	0.23
6	56,716,950	0.24	0.24	0.00	0.24	0.24
7	56,818,326	0.21	0.21	0.00	0.21	0.21
8	56,914,193	0.20	0.20	0.00	0.20	0.20
9	57,048,036	0.27	0.27	0.00	0.27	0.27
10	57,197,441	0.31	0.31	0.00	0.31	0.31
11	57,319,119	0.25	0.25	0.00	0.25	0.25
12	57,392,062	0.15	0.15	0.00	0.15	0.15
13	57,508,112	0.24	0.24	0.00	0.24	0.24
14	57,626,207	0.24	0.24	0.00	0.24	0.24
15	57,761,920	0.28	0.28	0.00	0.28	0.28
16	57,948,655	0.38	0.38	0.00	0.38	0.38
17	58,131,913	0.37	0.37	0.00	0.37	0.37
18	58,259,100	0.26	0.26	0.00	0.26	0.26
19	58,328,084	0.14	0.14	0.00	0.14	0.14
20	58,414,878	0.18	0.18	0.00	0.18	0.18
21	58,501,518	0.18	0.18	0.00	0.18	0.18
22	58,595,363	0.19	0.19	0.00	0.19	0.19
23	58,702,394	0.22	0.22	0.00	0.22	0.22
24	58,764,080	0.13	0.13	0.00	0.13	0.13
25	58,802,575	0.08	0.08	0.00	0.08	0.08
26	58,854,623	0.11	0.11	0.00	0.11	0.11
27	58,922,876	0.14	0.14	0.00	0.14	0.14
28	58,976,913	0.11	0.11	0.00	0.11	0.11
29	59,070,906	0.19	0.19	0.00	0.19	0.19
30	59,127,793	0.12	0.12	0.00	0.12	0.12
31	59,305,329	0.36	0.36	0.00	0.36	0.36
MIN	56110359	0.08	0.08	0.00	0.08	0.08
MAX	59305329	0.39	0.39	0.00	0.39	0.39
AVERAGE	57836078	0.22	0.22	0.00	0.22	0.22

1	2	3	4	5	Original #s
					1.58
					1.52
					0.95
					0.62
					0.92
					0.95
					0.83
					0.78
					1.09
					1.22
					0.99
					0.60
					0.95
					0.96
					1.11
					1.53
					1.50
					1.04
					0.56
					0.71
					0.71
					0.77
					0.87
					0.50
					0.31
					0.43
					0.56
					0.44
					0.77
					0.46
					1.45

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PARAMETER	
CODE	
Monitoring Point	
STAGE	Divide by 4
1	0.39
2	0.38
3	0.24
4	0.16
5	0.23
6	0.24
7	0.21
8	0.20
9	0.27
10	0.31
11	0.25
12	0.15
13	0.24
14	0.24
15	0.28
16	0.38
17	0.37
18	0.26
19	0.14
20	0.18
21	0.18
22	0.19
23	0.22
24	0.13
25	0.08
26	0.11
27	0.14
28	0.11
29	0.19
30	0.12
31	0.36
MIN	
MAX	
AVERAGE	

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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	<2.0	<0.05	24.4	3.2	<1.0	<1.0	861	<0.20	42.6	<15.0	115
4											
5											
6											
7											
8											
9											
10	2	<0.05	24.0	4.2	<1.0	<2.0	921	<0.20	7.5	<15.0	63.9
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
MIN	2.00	0.00	24.00	3.20	0.00	0.00	861.00	0.00	7.50	0.00	63.90
MAX	2.00	0.00	24.40	4.20	0.00	0.00	921	0.00	42.60	0.00	115.00
AVERAGE	2.00	#DIV/0!	24.2	3.70	#DIV/0!	#DIV/0!	891	#DIV/0!	25.05	#DIV/0!	89.5

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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	180	56.6	61.4	<5.0	<0.0005	54.6	40.8	91400	14.4	<0.20	<5.0
4											
5											
6											
7											
8											
9											
10	220	10	56.9	<5.0	<0.0005	58.6	38.5	91100	16.8	<0.20	5.4
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
MIN	180.00	10.00	56.90	0.00	0.00	54.60	38.50	91100.00	14.40	0.00	5.40
MAX	220.00	56.60	61.40	0.00	0.00000	58.60	40.80	91400.00	16.80	0.00	5.40
AVERAGE	200	33.30	59.2	#DIV/0!	#DIV/0!	56.6	39.7	91250	15.6	#DIV/0!	5.4

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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	1.8	800	139	<1.0	906000	139	6.95	7.77	10.60	170
4											
5											
6											
7											
8											
9											
10	<4.0	2	805	140	<2.0	1140000	<50.0	8.76	8.81	10.96	175
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
MIN	0.00	1.80	800.00	139.00	0.00	906000	139	6.95	7.77	10.60	170.00
MAX	0.00	2.00	805.00	140.00	0.00	1140000	139	8.76	8.81	10.96	175.00
AVERAGE	#DIV/0!	1.9	802.5	140	#DIV/0!	1023000	139	7.85	8.29	10.8	173

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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							226,780	57,016,440
2							216,128	57,232,568
3	22.6	7.8	1910	2010	0.092	8,499	139,206	57,371,775
4							107,172	57,478,947
5							132,707	57,611,654
6							129,610	57,741,264
7							118,187	57,859,451
8							117,119	57,976,570
9							147,310	58,123,880
10	27.3	8.3	1970	2230	0.15	9,267	177,488	58,301,368
11							146,546	58,447,914
12							101,133	58,549,047
13							138,299	58,687,346
14							135,946	58,823,292
15							150,787	58,974,079
16							223,620	59,197,699
17							215,659	59,413,358
18							151,699	59,565,057
19							78,382	59,643,440
20							101,586	59,745,026
21							96,385	59,841,411
22							106,025	59,947,436
23							111,414	60,058,850
24							79,852	60,138,702
25							49,888	60,188,590
26							44,417	60,233,007
27							87,031	60,320,038
28							73,022	60,393,060
29							92,403	60,485,463
30							87,206	60,572,669
31							179,235	60,751,903
MIN	22.60	7.80	1910.00	2010.00	0.092	8498.54	44417	57016440
MAX	27.30	8.30	1970.00	2230.00	0.150	9266.82	226780	60751903
AVERAGE	25.0	8.1	1940	2120	0.121	8883	127814	59054558