

December 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)	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	1.3	<5.0	<1.0	<20	<0.20	<1.0	<15	<1.0
7											
8											
9											
10											
11											
12											
13	<2.0	<0.05	<1.0	<1.0	<5.0	<1.0	94	0.22	<1.0	<15	2.5
14											
15											
16											
17											
18											
19											
20	<2.0	<0.05	<1.0	<1.0	<5.0	<1.0	<20	<0.20	<1.0	<15	<1.0
21											
22											
23											
24											
25											
26											
27	<2.0	<0.05	<1.0	<1.0	<5.0	<1.0	<20	<0.20	<1.0	<15	<1.0
28											
29											
30											
31											

December 2016
WTP Effluent Sample Results

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	1	1	1	1	1	1	1	1	1	1	1
1											
2											
3											
4											
5											
6	<100	<1.0	<8.0	<5.0	<0.0005	<5.0	<2.0	<200	<1.0	<0.20	<5.0
7											
8											
9											
10											
11											
12											
13	<100	<1.0	<8.0	<5.0	<0.0005	<5.0	<2.0	<200	<1.0	<0.20	<5.0
14											
15											
16											
17											
18											
19											
20	<100	<1.0	<8.0	<5.0	<0.0005	<5.0	<2.0	<200	<1.0	<0.20	<5.0
21											
22											
23											
24											
25											
26											
27	<100	<1.0	<8.0	<5.0	<0.0005	<5.0	<2.0	200	<1.0	<0.20	<5.0
28											
29											
30											
31											

December 2016
WTP Effluent Sample Results

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	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								7.16	8.40		
2								7.05	8.17		
3								7.10	8.61		
4								7.01	8.18		
5								7.05	8.15		
6	<2.0	<1.0	<10	<0.050	<1.0	<5000	<50	7.04	8.17	10.44	0.12
7								7.08	8.59		
8								7.30	8.45		
9								7.34	8.27		
10								7.31	8.22		
11								7.12	8.57		
12								7.25	8.39		
13	<2.0	<1.0	12	<0.050	<1.0	<5000	<50	7.29	8.37	10.33	0.44
14								7.25	8.35		
15								6.98	8.51		
16								6.97	8.13		
17								7.33	8.42		
18								7.18	8.41		
19								7.17	8.59		
20	<2.0	<1.0	<10	<0.050	<1.0	<5000	<50	7.20	8.53	9.81	0.37
21											
22								7.03	8.37		
23								7.05	8.43		
24								6.99	8.51		
25											
26								6.98	8.60		
27	<2.0	<1.0	<10	0.065	<1.0	<5000	<50	7.05	8.43	9.61	0.41
28								7.12	8.29		
29								7.30	8.46		
30								7.44	8.28		
31								7.23	8.37		

December 2016
WTP Effluent Sample Results

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)	Effluent Flow (US GPD)	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)
CODE	90002	90004	90005	90006	90007	90019	90027	90028	90010	90010	90010
Monitoring Point	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	RI 1	RI 2	RI 3
STAGE	1	1	1	1	1	1	1	1	RI	RI	RI
1						13.54	215059	47192319	0.44	0.44	0.44
2						11.93	214577	47406896	0.00	0.44	0.44
3						13.15	216534	47623430	0.00	0.44	0.44
4						13.72	216575	47840005	0.00	0.44	0.44
5						12.01	216287	48056293	0.00	0.44	0.44
6	0.12	<0.05	2.8	1.5	<0.01	13.34	210515	48266808	0.00	0.43	0.43
7						12.01	204675	48471483	0.00	0.42	0.42
8						17.10	214984	48686467	0.00	0.44	0.44
9						19.27	11330	48697797	0.00	0.02	0.02
10						18.73	58790	48756588	0.00	0.12	0.12
11						17.79	217492	48974079	0.00	0.44	0.44
12						17.68	215361	49189440	0.00	0.44	0.44
13	0.44	<0.05	4.3	<1.0	0.0112	18.02	215848	49405289	0.00	0.44	0.44
14						18.57	212651	49617940	0.00	0.43	0.43
15						13.12	201764	49819704	0.00	0.41	0.41
16						14.54	21592	49841296	0.00	0.04	0.04
17						25.73	74898	49916194	0.00	0.15	0.15
18						20.18	24313	49940507	0.00	0.05	0.05
19						18.83	14047	49954554	0.00	0.03	0.03
20	0.37	<0.05	5.0	<1.0	<0.01	24.71	32399	49986954	0.00	0.07	0.07
21							0	49986954	0.00	0.00	0.00
22						16.98	201520	50188473	0.00	0.41	0.41
23						16.15	208756	50397229	0.00	0.43	0.43
24						13.26	43143	50440372	0.00	0.09	0.09
25							0	50440372	0.00	0.00	0.00
26						22.38	152674	50593046	0.00	0.31	0.31
27	0.35	<0.05	4.5	<1.0	<0.01	17.11	216052	50809097	0.00	0.44	0.44
28						15.06	116008	50925105	0.00	0.24	0.24
29						26.59	70646	50995751	0.00	0.14	0.14
30						29.05	57796	51053547	0.00	0.12	0.12
31						30.01	41717	51095264	0.00	0.09	0.09

0.44 0.44 0.44

December 2016
WTP Effluent Sample Results

	Land Application Rate (gal/day/sq ft)	Land Application Rate (gal/day/sq ft)
PARAMETER	90010	90010
Monitoring Point	RI 4	RI 5
STAGE	RI	RI
1	0.00	0.44
2	0.44	0.44
3	0.44	0.44
4	0.44	0.44
5	0.44	0.44
6	0.43	0.43
7	0.42	0.42
8	0.44	0.44
9	0.02	0.02
10	0.12	0.12
11	0.44	0.44
12	0.44	0.44
13	0.44	0.44
14	0.43	0.43
15	0.41	0.41
16	0.04	0.04
17	0.15	0.15
18	0.05	0.05
19	0.03	0.03
20	0.07	0.07
21	0.00	0.00
22	0.41	0.41
23	0.43	0.43
24	0.09	0.09
25	0.00	0.00
26	0.31	0.31
27	0.44	0.44
28	0.24	0.24
29	0.14	0.14
30	0.12	0.12
31	0.09	0.09

0.44 0.44

December 2016
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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)
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										
3										
4										
5										
6	7.5	<0.05	5.8	2.1	<5.0	<1.0	760	<0.20	2.7	<15
7										
8										
9										
10										
11										
12										
13	41	<0.05	4.8	2.0	<5.0	<1.0	750	<0.20	1.4	<15
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										

December 2016
WTP RO Influent Sample Results

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										
3										
4										
5										
6	11	170	<1.0	16	<5.0	0.000553	39	14	47000	6.3
7										
8										
9										
10										
11										
12										
13	13	160	<1.0	17	<5.0	0.000891	37	12	51000	6.0
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										

December 2016
WTP RO Influent Sample Results

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										
3										
4										
5										
6	<0.20	<5.0	<2.0	2.1	180	55	<1.0	570000	<50	6.90
7										
8										
9										
10										
11										
12										
13	<0.20	<5.0	<2.0	2.3	100	52	<1.0	580000	<50	6.45
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										

December 2016
WTP RO Influent Sample Results

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										272848
2										276240
3										276240
4										274176
5										274048
6	9.33	10.92	73	13	4.8	610	420	0.0129	3216	272320
7										265104
8										273600
9										16848
10										80048
11										275920
12										271872
13	9.07	11.47	79	21	5.2	650	440	0.0196	3460	275024
14										268464
15										275664
16										42016
17										81760
18										46000
19										24432
20										41312
21										0
22										250112
23										270064
24										68672
25										0
26										185888
27										272864
28										150352
29										97888
30										64624
31										65728

December 2016
WTP RO Influent Sample Results

PARAMETER	Influent Flow (US GPY)
CODE	90028
Monitoring Point	EQ-1
STAGE	G
1	61011800
2	61288040
3	61564280
4	61838456
5	62112504
6	62384824
7	62649928
8	62923528
9	62940376
10	63020424
11	63296344
12	63568216
13	63843240
14	64111704
15	64387368
16	64429384
17	64511144
18	64557144
19	64581576
20	64622888
21	64622888
22	64873000
23	65143064
24	65211736
25	65211736
26	65397624
27	65670488
28	65820840
29	65918728
30	65983352
31	66049080