

October 2018  
Humboldt Mill WTP Effluent Results - Outfall 002A

1 - EFF																
R - INF																
Weekly																
PARAMETER	Total Manganese	Total Manganese	Total Mercury	Total Mercury	Total Mercury	Total Mercury	Mercury (uncorrected sample result)	Mercury (uncorrected sample result)	Mercury (uncorrected sample result)	Mercury (uncorrected sample result)	Mercury (field duplicate)	Mercury (field duplicate)	Mercury (field blank)	Mercury (field blank)	Mercury (laboratory method blank)	Mercury (laboratory method blank)
CODE	01055	01055	71900	71900	71900	71900	7190a	7190a	7190a	7190a	7190b	7190b	7190c	7190c	7190d	7190d
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A
STAGE	1	1	1	1	R	R	1D	1D	RD	RD	1D	RD	1D	RD	1D	RD
UNIT	ug/L	lbs/day	ng/L	lbs/day	ng/L	lbs/day	ng/L	lbs/day	ng/L	lbs/day	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
1																
2																
3	18.9	0	<0.50	0	8.43	0	<0.50	0	8.43	0	<0.50	8.43	<0.50	8.43	<0.50	8.43
4																
5																
6																
7																
8																
9																
10	27.2	0.146	<0.50	<0.0000027	<2.6	<0.000014	<0.50	<0.0000027	<2.6	<0.000014	<0.50	<2.6	<0.50	<2.6	<0.50	<2.6
11																
12																
13																
14																
15																
16																
17	5.6	0.027	<0.51	<0.0000025	<2.7	<0.000013	<0.51	<0.0000025	<2.7	<0.000013	<0.51	<2.7	<0.51	<2.7	<0.51	<2.7
18																
19																
20																
21																
22																
23																
24	27.7	0.213	<0.51	<0.0000040	<2.6	<0.000020	<0.51	<0.0000040	<2.6	<0.000020	<0.51	<2.6	<0.51	<2.6	<0.51	<2.6
25																
26																
27																
28																
29																
30																
31	15.6	0.094	<0.50	<0.0000030	<2.6	<0.000016	<0.50	<0.0000030	<2.6	<0.000016	<0.50	<2.6	<0.50	<2.6	<0.50	<2.6

October 2018  
Humboldt Mill WTP Effluent Results - Outfall 002A

1 - EFF																		
R - INF																		
	2x Month	Weekly						2x Month	Weekly			Monthly				Weekly		Daily
PARAMETER	Total Molybdenum	Total Nickel	Total Nickel	Total Nickel	Total Selenium	Total Selenium	Total Selenium	Total Strontium	Total Zinc	Total Zinc	Acute Toxicity (ceriodaphnia dubia)	Acute Toxicity (fathead minnow)	Chronic Toxicity (fathead minnow)	Chronic Toxicity (ceriodaphnia dubia)	Sulfate	Sulfate	Temperature (F)	
CODE	01062	01067	01067	01067	01147	01147	01147	01082	01092	01092	61425	TS16C	TTK6C	03599	00945	00945	00011	
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	001A	001A	001A	001A	002A	002A	002A	
STAGE	1	1	1	R	1	1	R	1	1	1	1	1	1	1	1	R	1	
UNIT	ug/L	ug/L	lbs/day	ug/L	ug/L	lbs/day	ug/L	ug/L	ug/L	lbs/day	TUA	TUA	TUC	TUC	mg/L	mg/L	F	
1																	60.1	
2																	63.3	
3	<25.0	<2.0	0	124	<2.0	0	<2.0	27.4	<10.0	0					186	1400	63.2	
4																	63.4	
5																	63.6	
6																	61.9	
7																	62.0	
8																	63.8	
9																	62.7	
10	<25.0	<2.0	<0.011	147	<2.0	<0.011	2.6	38.5	<10.0	<0.054					217	1260	63.1	
11																	63.0	
12																	62.5	
13																	61.1	
14																	62.0	
15																	61.0	
16																	62.0	
17		3.7	0.018	74.3	<2.0	<0.010	2.7		<10.0	<0.049					238	1410	62.3	
18											0	0	0	1.5			62.4	
19																	64.8	
20																	62.2	
21																	61.1	
22																	61.0	
23																	61.4	
24		<2.0	<0.016	92.4	<2.0	<0.016	2.9		<10.0	<0.078					231	1440	62.0	
25																	61.9	
26																	61.8	
27																	61.7	
28																	61.9	
29																	62.4	
30																	61.9	
31		<2.0	<0.012	148	<2.0	<0.012	3.3		<10.0	<0.060					217	1340	62.8	

October 2018  
Humboldt Mill WTP Effluent Results - Outfall 002A

1 - EFF					
R - INF					
	Monthly	Daily			
PARAMETER	Total Hardness	Outfall Observations	pH Minimum	pH Maximum	Dissolved Oxygen
CODE	00900	84130	00400	00400	00300
Monitoring Point	002A	002A	002A	002A	002A
STAGE	1	1	1	1	1
UNIT	mg/L	yes/no	S.U.	S.U.	mg/L
1		yes	6.33	7.36	7.78
2		yes	7.15	7.73	8.40
3	28.6	yes	7.16	8.74	8.41
4		yes	6.56	8.37	7.85
5		yes	6.92	8.07	8.17
6		yes	6.94	7.75	8.6
7		yes	6.20	8.36	7.98
8		yes	6.73	8.42	8.06
9		yes	6.81	7.73	8.21
10	34.2	yes	6.59	7.73	8.40
11		yes	6.25	7.29	8.31
12		yes	6.46	7.98	8.05
13		yes	6.29	8.48	8.59
14		yes	6.20	8.67	8.10
15		yes	6.19	8.78	8.02
16		yes	6.35	8.42	8.26
17		yes	6.19	8.69	10.65
18		yes	6.42	8.80	10.54
19		yes	6.24	8.77	11.06
20		yes	6.74	8.73	8.73
21		yes	6.95	8.68	8.49
22		yes	6.20	8.80	9.56
23		yes	6.19	7.70	9.58
24		yes	6.78	8.73	8.96
25		yes	6.20	7.17	8.75
26		yes	6.35	8.80	8.28
27		yes	6.80	7.48	8.32
28		yes	6.55	7.65	8.45
29		yes	7.52	7.52	8.56
30		yes	6.96	6.99	8.19
31		yes	6.75	8.81	7.73

October 2018  
Humboldt Mill WTP Effluent Results - Outfall 002A

1 - EFF																	
R - INF																	
	Daily	Weekly				2x Month		Weekly		Daily	Weekly		2x Month	Weekly		2x Month	
PARAMETER	Flow	Total Suspended Solids	Total Suspended Solids	Total Dissolved Solids	Total Dissolved Solids	Biochemical Oxygen Demand (BOD %)	Ammonia Nitrogen (as N)	Total Phosphorus (as P)	Total Phosphorus (as P)	Total Residual Chlorine	Available Cyanide	Available Cyanide	Total Antimony	Total Arsenic	Total Arsenic	Total Barium	Total Boron
CODE	50050	00530	00530	70295	70295	00310	00610	00665	00665	50060	01257	01257	01097	01002	01002	01007	01022
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A
STAGE	1	1	R	1	R	1	1	1	1	1	1	1	1	1	1	1	1
UNIT	MGD	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	lbs/day	µg/L	µg/L	lbs/day	ug/L	µg/L	lbs/day	ug/L	ug/L
1	0.7808									4							
2	0.7288									2							
3	0.0000	<3.3	14.4	360	2800	17.3	0.33	0.012	0	6	<0.0050	0	<2.0	<1.0	0	<1.0	747
4	0.0000									3							
5	0.0000									9							
6	0.0000									3							
7	0.0777									5							
8	0.0582									0							
9	0.0546									0							
10	0.0633	<3.3	12.0	390	3000	9.0	0.44	0.016	0.008	1	<0.0050	<0.003	<2.0	<1.0	<0.001	1.0	775
11	0.0807									2							
12	0.0757									5							
13	0.0445									1							
14	0.0710									3							
15	0.0665									5							
16	0.0367									12							
17	0.0608	<3.3	6.5	400	2900		0.44	0.016	0.016	8	<0.0050	<0.003		<1.0	<0.001		
18	0.0556									9							
19	0.0000									10							
20	0.0000									7							
21	0.0000									5							
22	0.0000									6							
23	0.0000									3							
24	0.0000	<3.3	6.0	430	3000		0.46	0.066	0	2	<0.0050	0		<1.0	0		
25	0.0005									0							
26	0.0005									6							
27	0.0005									5							
28	0.0005									4							
29	0.0000									6							
30	0.0000									1							
31	0.0000	<3.3	12.0	400	3200		0.43	0.031	0	6	<0.0050	0		<1.0	0		

October 2018  
Humboldt Mill WTP Effluent Results - Outfall 002A

1 - EFF																	
R - INF																	
	Weekly		2x Month	Weekly					2x Month	Weekly		2x Month					
PARAMETER	Total Cadmium	Total Cadmium	Total Chromium	Total Cobalt	Total Cobalt	Total Copper	Total Copper	Total Copper	Fluoride	Total Lead	Total Lead	Total Lithium	Total Manganese	Total Manganese	Total Mercury	Total Mercury	Total Mercury
CODE	01027	01027	01034	01037	01037	01042	01042	01042	00951	01051	01051	01132	01055	01055	71900	71900	71900
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A
STAGE	1	1	1	1	1	1	1	R	1	1	1	1	1	1	1	1	R
UNIT	µg/L	lbs/day	ug/L	ug/L	lbs/day	ug/L	lbs/day	ug/L	ug/L	ug/L	lbs/day	ug/L	ug/L	lbs/day	ng/L	lbs/day	ng/L
1																	
2																	
3	<0.20	0	<1.0	<1.0	0	<1.0	0	6.4	<100	<1.0	0	<8.0	18.9	0	<0.50	0	8.43
4																	
5																	
6																	
7																	
8																	
9																	
10	<0.20	<0.0001	<1.0	<1.0	<0.001	<1.0	<0.001	5.5	<100	<1.0	<0.001	<8.0	27.2	0.014	<0.50	<0.0000003	<2.6
11																	
12																	
13																	
14																	
15																	
16																	
17	<0.20	<0.0001		<1.0	<0.001	<1.0	<0.001	1.2	<100	<1.0	<0.001		5.6	0.003	<0.51	<0.0000003	<2.7
18																	
19																	
20																	
21																	
22																	
23																	
24	<0.20	0		<1.0	0	<1.0	0	1.7	<100	<1.0	0		27.7	0	<0.51	0	<2.6
25																	
26																	
27																	
28																	
29																	
30																	
31	<0.20	0		<1.0	0	<1.0	0	4.2	<100	<1.0	0		15.6	0	<0.50	0	<2.6

October 2018  
Humboldt Mill WTP Effluent Results - Outfall 002A

1 - EFF																
R - INF																
Weekly												2x Month		Week		
PARAMETER	Total Mercury	Mercury (uncorrected sample result)	Mercury (uncorrected sample result)	Mercury (uncorrected sample result)	Mercury (uncorrected sample result)	Mercury (field duplicate)	Mercury (field duplicate)	Mercury (field blank)	Mercury (field blank)	Mercury (laboratory method blank)	Mercury (laboratory method blank)	Total Molybdenum	Total Nickel	Total Nickel	Total Nickel	
CODE	71900	7190a	7190a	7190a	7190a	7190b	7190b	7190c	7190c	7190d	7190d	01062	01067	01067	01067	
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	
STAGE	R	1D	1D	RD	RD	1D	RD	1D	RD	1D	RD	1	1	1	R	
UNIT	lbs/day	ng/L	lbs/day	ng/L	lbs/day	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ug/L	ug/L	lbs/day	ug/L	
1																
2																
3	0	<0.50	0	8.43	0	<0.50	8.43	<0.50	8.43	<0.50	8.43	<25.0	<2.0	0	124	
4																
5																
6																
7																
8																
9																
10	<0.0000014	<0.50	<0.0000003	<2.6	<0.0000014	<0.50	<2.6	<0.50	<2.6	<0.50	<2.6	<25.0	<2.0	<0.001	147	
11																
12																
13																
14																
15																
16																
17	<0.0000014	<0.51	<0.0000003	<2.7	<0.0000014	<0.51	<2.7	<0.51	<2.7	<0.51	<2.7		3.7	0.002	74.3	
18																
19																
20																
21																
22																
23																
24	0	<0.51	0	<2.6	0	<0.51	<2.6	<0.51	<2.6	<0.51	<2.6		<2.0	0	92.4	
25																
26																
27																
28																
29																
30																
31	0	<0.50	0	<2.6	0	<0.50	<2.6	<0.50	<2.6	<0.50	<2.6		<2.0	0	148	

October 2018  
Humboldt Mill WTP Effluent Results - Outfall 002A

1 - EFF																	
R - INF																	
	Daily			2x Month	Weekly		Monthly				Weekly		Daily	Monthly	Daily		
PARAMETER	Total Selenium	Total Selenium	Total Selenium	Total Strontium	Total Zinc	Total Zinc	Acute Toxicity (ceriodaphnia dubia)	Acute Toxicity (fathead minnow)	Chronic Toxicity (fathead minnow)	Chronic Toxicity (ceriodaphnia dubia)	Sulfate	Sulfate	Temperature (F)	Total Hardness	Outfall Observations	pH Minimum	pH Maximum
CODE	01147	01147	01147	01082	01092	01092	61425	TS16C	TTK6C	03599	00945	00945	00011	00900	84130	00400	00400
Monitoring Point	002A	002A	002A	002A	002A	002A	001A	001A	001A	001A	002A	002A	002A	002A	002A	002A	002A
STAGE	1	1	R	1	1	1	1	1	1	1	1	R	1	1	1	1	1
UNIT	ug/L	lbs/day	ug/L	ug/L	ug/L	lbs/day	TUA	TUA	TUC	TUC	mg/L	mg/L	F	mg/L	yes/no	S.U.	S.U.
1													60.1		yes	6.33	7.36
2													63.3		yes	7.15	7.73
3	<2.0	0	<2.0	27.4	<10.0	0					186	1400	63.2	28.6	yes	7.16	8.74
4													63.4		yes	6.56	8.37
5													63.6		yes	6.92	8.07
6													61.9		yes	6.94	7.75
7													62.0		yes	6.20	8.36
8													63.8		yes	6.73	8.42
9													62.7		yes	6.81	7.73
10	<2.0	<0.001	2.6	38.5	<10.0	<0.005					217	1260	63.1	34.2	yes	6.59	7.73
11													63.0		yes	6.25	7.29
12													62.5		yes	6.46	7.98
13													61.1		yes	6.29	8.48
14													62.0		yes	6.20	8.67
15													61.0		yes	6.19	8.78
16													62.0		yes	6.35	8.42
17	<2.0	<0.001	2.7		<10.0	<0.005					238	1410	62.3		yes	6.19	8.69
18							0	0	0	1.5			62.4		yes	6.42	8.80
19													64.8		yes	6.24	8.77
20													62.2		yes	6.74	8.73
21													61.1		yes	6.95	8.68
22													61.0		yes	6.20	8.80
23													61.4		yes	6.19	7.70
24	<2.0	0	2.9		<10.0	0					231	1440	62.0		yes	6.78	8.73
25													61.9		yes	6.20	7.17
26													61.8		yes	6.35	8.80
27													61.7		yes	6.80	7.48
28													61.9		yes	6.55	7.65
29													62.4		yes	7.52	7.52
30													61.9		yes	6.96	6.99
31	<2.0	0	3.3		<10.0	0					217	1340	62.8		yes	6.75	8.81

October 2018  
Humboldt Mill WTP Effluent Results - Outfall 002A

1 - EFF	
R - INF	
PARAMETER	Dissolved Oxygen
CODE	00300
Monitoring Point	002A
STAGE	1
UNIT	mg/L
1	7.78
2	8.40
3	8.41
4	7.85
5	8.17
6	8.6
7	7.98
8	8.06
9	8.21
10	8.40
11	8.31
12	8.05
13	8.59
14	8.10
15	8.02
16	8.26
17	10.65
18	10.54
19	11.06
20	8.73
21	8.49
22	9.56
23	9.58
24	8.96
25	8.75
26	8.28
27	8.32
28	8.45
29	8.56
30	8.19
31	7.73