

May 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	0.0804	<3.3	<3.3	290	2200	11.4	0.31	<0.010	<0.007	2	<5.0	<0.003353	<1.0	<1.0	<0.001	1.1	409
2	0.1140									2							
3	0.2729									2							
4	0.0005									4							
5	0.0005									7							
6	0.0005									1							
7	0.0005									1							
8	0.0005	<3.3	35.4	420	2200	13.4	0.44	<0.010	<0.000042	1	<5.0	<0.000021	<1.0	<1.0	<0.000004	1.6	525
9	0.0005									9							
10	0.0005									5							
11	0.0000									0							
12	0.0005									4							
13	0.0005									1							
14	0.0005									5							
15	0.0005									2							
16	0.0005	<3.3	6.3	400	2400		0.52	1.9	0.00008	7	<5.0	<0.000021		<1.0	<0.000004		
17	0.0005									2							
18	0.0005									2							
19	0.0005									4							
20	0.0005									0							
21	0.0005									3							
22	0.0005									5							
23	0.0005	<3.3	9.5	400	2300		0.50	<0.010	<0.000042	2	<5.0	<0.000021		<1.0	<0.000004		
24	0.0005									4							
25	0.0005									1							
26	0.0005									5							
27	0.0005									4							
28	0.0005									8							
29	0.0005									2							
30	0.0005	<3.3	12.8	390	2300		0.47	0.013	0.00005	3	<5.0	<0.000021		<1.0	<0.000004		
31	0.0005									1							

May 2018
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1 - EFF																		
R - INF																		
	Weekly		2x Month	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	<0.20	<0.0001	<1.0	<1.0	<0.001	<1.0	<0.001	<1.0	<100	<1.0	<0.001	<8.0	18.8	0.013	<0.50	<0.0000003	<0.50	
2																		
3																		
4																		
5																		
6																		
7																		
8	<0.20	<0.000001	<1.0	<1.0	<0.000004	<1.0	<0.000004	1.7	<100	<1.0	<0.000004	<8.0	19.5	0.00008	<0.50	<0.000000021	<0.50	
9									<100									
10																		
11																		
12																		
13																		
14																		
15																		
16	<0.20	<0.000001		<1.0	<0.000004	<1.0	<0.000004	5.4	<100	<1.0	<0.000004		24.7	0.000103	<0.50	<0.000000002	<5.0	
17									<100									
18									<100									
19																		
20																		
21																		
22																		
23	<0.20	<0.000001		<1.0	<0.000004	<1.0	<0.000004	4.9	<100	<1.0	<0.000004		20.2	0.000084	<0.50	<0.000000002	<2.0	
24																		
25									<100									
26									<100									
27									<100									
28																		
29																		
30	<0.20	<0.000001		<1.0	<0.000004	<1.0	<0.000004	9.4	<100	<1.0	<0.000004		25.4	0.000106	<0.50	<0.000000002	4.0	
31																		

May 2018
Humboldt Mill WTP Effluent Results - Outfall 002A

1 - EFF																
R - INF																
Weekly												2x Month		Weekly		
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	Total Selenium
CODE	71900	7190a	7190a	7190a	7190a	7190b	7190b	7190c	7190c	7190d	7190d	01062	01067	01067	01067	01147
Monitoring Point	002A	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	1
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	ug/L
1	<0.0000003	<0.500	<0.0000003	<0.500	<0.0000003	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<25.0	<2.0	<0.001	107	<1.0
2																
3																
4																
5																
6																
7																
8	<0.000000021	<0.500	<0.000000021	<0.500	<0.000000021	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<25.0	<2.0	<0.000008	366	<1.0
9																
10																
11																
12																
13																
14																
15																
16	<0.000000021	<0.500	<0.000000002	<5.000	<0.000000021	<0.500	<5.000	<0.500	<5.000	<0.500	<5.000		2.4	0.000010	181	<1.0
17																
18																
19																
20																
21																
22																
23	<0.000000008	<0.500	<0.000000002	<2.000	<0.000000008	<0.500	<2.000	<0.500	<2.000	<0.500	<2.000		3.3	0.000014	314	<1.0
24																
25																
26																
27																
28																
29																
30	0.000000017	<0.500	<0.000000002	4.000	0.000000017	<0.500	4.000	<0.500	4.000	<0.500	4.000		5.4	0.000023	363	<1.0
31																

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1 - EFF																
R - INF																
		2x Month		Weekly		Monthly				Weekly		Daily	Monthly	Daily		
PARAMETER	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	01082	01092	01092	61425	TS16C	TTK6C	03599	00945	00945	00011	00900	84130	00400	00400
Monitoring Point	002A	002A	002A	002A	002A	001A	001A	001A	001A	002A	002A	002A	002A	002A	002A	002A
STAGE	1	R	1	1	1	1	1	1	1	1	R	1	1	1	1	1
UNIT	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	<0.001	2.7	26.8	<10.0	<0.007					146	759	58.5	23.5	yes	6.37	6.82
2												57.5		yes	6.38	6.94
3												57.9		yes	6.48	7.03
4												57.1		yes	6.19	7.05
5												57.8		yes	6.67	6.95
6												57.2		yes	6.46	7.295
7												57.8		yes	6.86	7.18
8	<0.000004	4.0	41.2	<10.0	<0.000042					226	849	58.2	39.2	yes	6.83	7.30
9												57.6		yes	6.91	8.64
10												58.9		yes	7.07	7.33
11																
12												61.4		yes	6.86	7.58
13												60.4		yes	6.46	7.55
14												60.0		yes	6.31	7.22
15												60.0		yes	6.16	7.36
16	<0.000004	3.7		<10.0	<0.000042					220	845	58.3		yes	6.78	8.30
17						0	0	0	0			58.7		yes	6.38	8.72
18												58.5		yes	7.09	8.73
19												58.8		yes	6.81	8.74
20												58.7		yes	6.95	8.56
21												58.5		yes	6.87	8.72
22												59.4		yes	6.62	8.66
23	<0.000004	3.2		<10.0	<0.000042					224	920	58.7		yes	6.59	7.04
24												58.9		yes	6.47	6.88
25												59.4		yes	6.42	7.97
26												58.7		yes	6.46	7.13
27												58.9		yes	6.57	7.21
28												59.3		yes	6.46	6.92
29												60.2		yes	6.78	7.96
30	<0.000004	4.8		<10.0	<0.000042					235	967	59.1		yes	6.99	7.41
31												59.4		yes	6.97	7.38

May 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	7.90
2	8.07
3	7.97
4	8.19
5	8.46
6	8.1
7	8.32
8	7.79
9	8.06
10	8.01
11	
12	8.21
13	8.13
14	7.85
15	8.15
16	7.92
17	8.20
18	9.28
19	9.35
20	9.39
21	9.58
22	8.89
23	8.52
24	8.9
25	8.04
26	8.08
27	8.23
28	8.12
29	8.13
30	8.29
31	7.84

May 2018
Humboldt Mill WTP Effluent Results - Outfall 003

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	0.49	<3.3	<3.3	290	2200	11.4	0.31	<0.010	<0.041	2	<5.0	<0.020	<1.0	<1.0	<0.004	1.1	409
2	0.50									2							
3	0.38									2							
4	0.56									4							
5	0.62									7							
6	0.38									1							
7	0.60									1							
8	0.60	<3.3	35.4	420	2200	13.4	0.44	<0.010	<0.050	1	<5.0	<0.025	<1.0	<1.0	<0.005	1.6	525
9	0.41									9							
10	0.15									5							
11	0.00									0							
12	0.36									4							
13	0.59									1							
14	0.62									5							
15	0.62									2							
16	0.47	<3.3	6.3	400	2400		0.52	1.9	0.007	7	<5.0	<0.020		<1.0	<0.004		
17	0.45									2							
18	0.67									2							
19	0.67									4							
20	0.68									0							
21	0.68									3							
22	0.54									5							
23	0.66	<3.3	9.5	400	2300		0.50	<0.010	<0.055	2	<5.0	<0.028		<1.0	<0.006		
24	0.59									4							
25	0.53									1							
26	0.70									5							
27	0.67									4							
28	0.34									8							
29	0.18									2							
30	0.72	<3.3	12.8	390	2300		0.47	0.013	0.078	3	<5.0	<0.030		<1.0	<0.006		
31	0.69									1							

May 2018
Humboldt Mill WTP Effluent Results - Outfall 003

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	<0.20	<0.0008	<1.0	<1.0	<0.004	<1.0	<0.004	<1.0	<100	<1.0	<0.004	<8.0	18.8	0.077	<0.50	<0.0000020	<0.50
2																	
3																	
4																	
5																	
6																	
7																	
8	<0.20	<0.0010	<1.0	<1.0	<0.005	<1.0	<0.005	1.7	<100	<1.0	<0.005	<8.0	19.5	0.098	<0.50	<0.0000025	<0.50
9									<100								
10																	
11																	
12																	
13																	
14																	
15																	
16	<0.20	<0.0008		<1.0	<0.004	<1.0	<0.004	5.4	<100	<1.0	<0.004		24.7	0.097	<0.50	<0.0000020	<5.0
17									<100								
18																	
19																	
20																	
21																	
22																	
23	<0.20	<0.0011		<1.0	<0.006	<1.0	<0.006	4.9	<100	<1.0	<0.006		20.2	0.111	<0.50	<0.0000028	<2.0
24									<100								
25									<100								
26																	
27																	
28																	
29																	
30	<0.20	<0.0012		<1.0	<0.006	<1.0	<0.006	9.4	<100	<1.0	<0.006		25.4	0.152	<0.50	<0.0000030	4.0
31																	

May 2018
Humboldt Mill WTP Effluent Results - Outfall 003

1 - EFF																	
R - INF																	
Weekly												2x Month		Weekly			
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	Total Selenium	
CODE	71900	7190a	7190a	7190a	7190a	7190b	7190b	7190c	7190c	7190d	7190d	01062	01067	01067	01067	01147	
Monitoring Point	002A	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	1	
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	ug/L	
1	<0.0000020	<0.500	<0.0000020	<0.500	<0.0000020	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<25.0	<2.0	<0.008	107	<1.0	
2																	
3																	
4																	
5																	
6																	
7																	
8	<0.0000026	<0.500	<0.0000025	<0.500	<0.0000026	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<25.0	<2.0	<0.010	366	<1.0	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16	<0.0000196	<0.500	<0.0000020	<5.000	<0.0000196	<0.500	<5.000	<0.500	<5.000	<0.500	<5.000		2.4	0.009	181	<1.0	
17																	
18																	
19																	
20																	
21																	
22																	
23	<0.0000110	<0.500	<0.0000028	<2.000	<0.0000110	<0.500	<2.000	<0.500	<2.000	<0.500	<2.000		3.3	0.018	314	<1.0	
24																	
25																	
26																	
27																	
28																	
29																	
30	0.0000239	<0.500	<0.0000030	4.000	0.0000239	<0.500	4.000	<0.500	4.000	<0.500	4.000		5.4	0.032	363	<1.0	
31																	

May 2018
Humboldt Mill WTP Effluent Results - Outfall 003

1 - EFF																
R - INF																
		2x Month		Weekly		Monthly				Weekly		Daily	Monthly	Daily		
PARAMETER	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	01082	01092	01092	61425	TS16C	TTK6C	03599	00945	00945	00011	00900	84130	00400	00400
Monitoring Point	002A	002A	002A	002A	002A	001A	001A	001A	001A	002A	002A	002A	002A	002A	002A	002A
STAGE	1	R	1	1	1	1	1	1	1	1	R	1	1	1	1	1
UNIT	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	<0.004	2.7	26.8	<10.0	<0.041					146	759	58.5	23.5	yes	6.37	6.82
2												57.5		yes	6.38	6.94
3												57.9		yes	6.48	7.03
4												57.1		yes	6.19	7.05
5												57.8		yes	6.67	6.95
6												57.2		yes	6.46	7.295
7												57.8		yes	6.86	7.18
8	<0.005	4.0	41.2	<10.0	<0.050					226	849	58.2	39.2	yes	6.83	7.30
9												57.6		yes	6.91	8.64
10												58.9		yes	7.07	7.33
11																
12												61.4		yes	6.86	7.58
13												60.4		yes	6.46	7.55
14												60.0		yes	6.31	7.22
15												60.0		yes	6.16	7.36
16	<0.004	3.7		<10.0	<0.039					220	845	58.3		yes	6.78	8.30
17						0	0	0	0			58.7		yes	6.38	8.72
18												58.5		yes	7.09	8.73
19												58.8		yes	6.81	8.74
20												58.7		yes	6.95	8.56
21												58.5		yes	6.87	8.72
22												59.4		yes	6.62	8.66
23	<0.006	3.2		<10.0	<0.055					224	920	58.7		yes	6.59	7.04
24												58.9		yes	6.47	6.88
25												59.4		yes	6.42	7.97
26												58.7		yes	6.46	7.13
27												58.9		yes	6.57	7.21
28												59.3		yes	6.46	6.92
29												60.2		yes	6.78	7.96
30	<0.006	4.8		<10.0	<0.060					235	967	59.1		yes	6.99	7.41
31												59.4		yes	6.97	7.38

May 2018
Humboldt Mill WTP Effluent Results - Outfall 003

1 - EFF	
R - INF	
PARAMETER	Dissolved Oxygen
CODE	00300
Monitoring Point	002A
STAGE	1
UNIT	mg/L
1	7.90
2	8.07
3	7.97
4	8.19
5	8.46
6	8.1
7	8.32
8	7.79
9	8.06
10	8.01
11	
12	8.21
13	8.13
14	7.85
15	8.15
16	7.92
17	8.20
18	9.28
19	9.35
20	9.39
21	9.58
22	8.89
23	8.52
24	8.9
25	8.04
26	8.08
27	8.23
28	8.12
29	8.13
30	8.29
31	7.84