

May 2016  
Humboldt Mill WTP Effluent Results - Outfall 001A

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
CODE	50050	00530	00530	70295	70295	00310	00610	00665	00665	50060	01257	01257	01097	01002	01002
Monitoring Point	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A
STAGE	1	1	R	1	R	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
1	0.49									3					
2	0.49									1					
3	0.48									3					
4	0.53	<3.3	<3.3	400	400	3.8	0.37	<0.0100	<0.0442	2	<2.0	<0.0088	3.5	<1.0	<0.0044
5	0.48									11					
6	0.53									1					
7	0.53									2					
8	0.51									6					
9	0.50									9					
10	0.44									4					
11	0.45	<3.3	<3.3	400	420	3.5	0.33	<0.0100	<0.0375	5	<2.0	<0.0075	3.6	<1.0	<0.0038
12	0.45									5					
13	0.40									0					
14	0.17									0					
15	0.44									1					
16	0.27									0					
17	0.46									5					
18	0.46	<3.3	<3.3	430	410			<0.0100	<0.0384	4	2.2	0.0084		1.1	0.0042
19	0.45									5					
20	0.43									4					
21	0.44									3					
22	0.43									4					
23	0.29									2					
24	0.35									1					
25	0.30	<3.3	<3.3	400	390			<0.0100	<0.0250	2	<2.0	<0.0050		<1.0	<0.0025
26	0.27									0					
27	0.35									4					
28	0.29									3					
29	0.29									3					
30	0.29									2					
31	0.29									5					
Min	0.17	0.00	0.00	400.00	390.00	3.50	0.33	0.00	0.00	0.00	2.20	0.01	3.50	1.10	0.004
Max	0.53	0.00	0.00	430.00	420.00	3.80	0.37	0.000	0.00	11.00	2.20	0.01	3.60	1.10	0.004
Avg	0.41	0.00	0.00	407.50	405.00	3.65	0.35	0.00	0.00	3.23	0.55	0.002	3.55	0.28	0.001

May 2016  
Humboldt Mill WTP Effluent Results - Outfall 001A

PARAMETER	Total Barium	Total Boron	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
CODE	01007	01022	01027	01027	01034	01037	01037	01042	01042	01042	00951	01051	01051	01132	01055
Monitoring Point	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A
STAGE	1	1	1	1	1	1	1	1	1	R	1	1	1	1	1
UNIT	ug/L	ug/L	µg/L	lbs/day	ug/L	ug/L	lbs/day	µg/L	lbs/day	ug/L	ug/L	ug/L	lbs/day	ug/L	ug/L
1															
2															
3															
4	10	98	<0.20	<0.0009	<1.0	2.7	0.0119	<1.0	<0.0044	2.9	<100	<1.0	<0.0044	<8.0	810
5															
6															
7															
8															
9															
10															
11	10	100	<0.20	<0.0008	<1.0	2.6	0.0098	<1.0	<0.0038	2.8	160	<1.0	<0.0038	<8.0	730
12															
13															
14															
15															
16															
17															
18			<0.20	<0.0008		2.5	0.0096	<1.0	<0.0038	2.8		<1.0	<0.0038		720
19															
20															
21															
22															
23															
24															
25			<0.20	<0.00050		2.8	0.007	<1.0	<0.0025	2.3		<1.0	<0.0025		740
26															
27															
28															
29															
30															
31															
Min	10.00	98.00	0.00	0.00	0.00	2.50	0.01	0.00	0.00	2.30	160.00	0.00	0.00	0.00	720.00
Max	10.00	100.00	0.00	0.00	0.00	2.80	0.01	0.00	0.00	2.90	160.00	0.00	0.00	0.00	810.00
Avg	5.00	99.00	0.00	0.00	0.00	2.65	0.01	0.00	0.00	2.70	80.00	0.00	0.00	0.00	750.00

May 2016  
Humboldt Mill WTP Effluent Results - Outfall 001A

PARAMETER	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	71900	71900	71900	71900	7190a	7190a	7190a	7190a	7190b	7190b	7190c	7190c	7190d	7190d
Monitoring Point	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A
STAGE	1	1	1	R	R	1	1	R	R	1D	RD	1D	RD	1D	RD
UNIT	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															
4	3.58	<0.500	<0.000002	<0.500	<0.000002	<0.500	<0.000002	<0.500	<0.000002	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
5															
6															
7															
8															
9															
10															
11	2.7397	<0.500	<0.000002	<0.500	<0.000002	<0.500	<0.000002	<0.500	<0.000002	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
12															
13															
14															
15															
16															
17															
18	2.7622	<0.500	<0.000002	<0.500	<0.000002	<0.500	<0.000002	<0.500	<0.000002	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
19															
20															
21															
22															
23															
24															
25	1.8515	<0.500	<0.0000013	<0.500	<0.0000013	<0.500	<0.0000013	<0.500	<0.0000013	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
26															
27															
28															
29															
30															
31															
Min	1.85	0.00	0.00000000	0.00	0.00000000	0.00	0.00000000	0.00	0.00000000	0.00	0.00	0.00	0.00	0.00	0.00
Max	3.58	0.00	0.00000000	0.00	0.00000000	0.00	0.00000000	0.00	0.00000000	0.00	0.00	0.00	0.00	0.00	0.00
Avg	2.73	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

May 2016  
Humboldt Mill WTP Effluent Results - Outfall 001A

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
CODE	01062	01067	01067	01067	01147	01147	01147	01082	01092	01092	61425	TS16C	TTK6C	03599	00945
Monitoring Point	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A
STAGE	1	1	1	R	1	1	R	1	1	1	1	1	1	1	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
1															
2															
3															
4	<25	26	0.1149	79	<1.0	<0.0044	1.6	210	<10	<0.0442					180
5															
6															
7															
8															
9															
10															
11	<25	28	0.1051	79	<1.0	<0.0038	<1.0	190	<10	<0.0375					180
12															
13															
14															
15															
16															
17															
18		22	0.0844	77	<1.0	<0.0038	<1.0		<10	<0.0374					180
19											0	0	0	1	
20															
21															
22															
23															
24															
25		28	0.0701	76	<1.0	<0.0025	<1.0		<10	<0.025					180
26															
27															
28															
29															
30															
31															
Min	0.00	22.00	0.07	76.00	0.00	0.00	1.60	190.00	0.00	0.00	0.00	0.00	0.00	1.00	180.00
Max	0.00	28.00	0.11	79.00	0.00	0.00	1.60	210.00	0.00	0.00	0.00	0.00	0.00	1.00	180.00
Avg	0.00	26.00	0.09	77.75	0.00	0.00	0.40	200.00	0.00	0.00	0.00	0.00	0.00	1.00	180.00

May 2016  
Humboldt Mill WTP Effluent Results - Outfall 001A

PARAMETER	Sulfate	Temperature (F)	Total Hardness	Outfall Observations	pH Minimum	pH Maximum	Dissolved Oxygen				
CODE	00945	00011	00900	84130	00400	00400	00300				
Monitoring Point	001A	001A	001A	001A	001A	001A	001A				
STAGE	R	1	1	1	1	1	1				
UNIT	mg/L	F	mg/L	yes/no	S.U.	S.U.	mg/L				
1		41		yes	*E	7.61	10.96	493275	0.49	0.003	3
2		41		yes	*E	7.66	11.45	494935	0.49	0.001	1
3		42		yes	*E	7.60	11.31	480060	0.48	0.003	3
4	180	44	236	yes	*E	7.72	11.02	526895	0.53	0.002	2
5		42		yes	*E	7.66	11.43	477585	0.48	0.011	11
6		42		yes	*E	7.71	10.44	533470	0.53	0.001	1
7		51		yes	*E	7.81	10.03	534160	0.53	0.002	2
8		46		yes	*E	7.66	10.74	512250	0.51	0.006	6
9		49		yes	*E	7.71	10.85	503915	0.50	0.009	9
10		48		yes	*E	7.72	10.69	439260	0.44	0.004	4
11	180	50	230	yes	*E	7.70	10.32	448020	0.45	0.005	5
12		51		yes	*E	7.75	10.13	453480	0.45	0.005	5
13		53		yes	*E	7.64	9.86	402015	0.40	0	0
14		52		yes	*E	7.71	9.62	171230	0.17	0	0
15		49		yes	*E	7.65	9.85	437435	0.44	0.001	1
16		50		yes	*E	7.73	9.86	270345	0.27	0	0
17		49		yes	*E	7.74	9.89	460060	0.46	0.005	5
18	180	49		yes	*E	7.78	10.17	456810	0.46	0.004	4
19		50		yes	*E	7.78	10.42	447505	0.45	0.005	5
20		52		yes	*E	7.78	10.05	434090	0.43	0.004	4
21		52		yes	*E	7.80	9.92	435280	0.44	0.003	3
22		54		yes	*E	7.77	9.83	431595	0.43	0.004	4
23		57		yes	*E	7.76	9.39	291340	0.29	0.002	2
24		60		yes	*E	7.75	9.29	347896	0.35	0.001	1
25	180	56		yes	*E	7.72	9.72	295068	0.30	0.002	2
26		61		yes	*E	7.79	9.33	270540	0.27	0	0
27		60		yes	*E	7.80	9.28	350576	0.35	0.004	4
28		64		yes	*E	7.67	8.9	290880	0.29	0.003	3
29		62		yes	*E	7.68	9.17	286750	0.29	0.003	3
30		58		yes	*E	7.74	9.09	285410	0.29	0.002	2
31		60		yes	*E	7.72	9.13	289470	0.29	0.005	5
Min	180.00	60	230.00	0.00	0.00	7.60	8.90			0.005	
Max	180.00	63.70	236.00	0.00	0.00	7.81	11.45				
Avg	180.00	51.41	116.50	0.00	0.00	7.72	10.07				

May 2016  
Humboldt Mill WTP Effluent Results - Outfall 002A

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
CODE	50050	00530	00530	70295	70295	00310	00610	00665	00665	50060	01257	01257	01097	01002	01002
Monitoring Point	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
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
1	0.03									3					
2	0.03									1					
3	0.02									3					
4	0.03	<3.3	<3.3	400	400	3.8	0.37	<0.0100	<0.0025	2	<2.0	<0.0005	3.5	<1.0	<0.0003
5	0.03									11					
6	0.03									1					
7	0.03									2					
8	0.03									6					
9	0.08									9					
10	0.21									4					
11	0.17	<3.3	<3.3	400	420	3.5	0.33	<0.0100	<0.0142	5	<2.0	<0.0028	3.6	<1.0	<0.0014
12	0.18									5					
13	0.16									0					
14	0.60									0					
15	0.17									1					
16	0.10									0					
17	0.17									5					
18	0.17	<3.3	<3.3	430	410			<0.0100	<0.0142	4	2.2	0.0031		1.1	0.0016
19	0.09									5					
20	0.0005									4					
21	0.0005									3					
22	0.0005									4					
23	0.0005									2					
24	0.0005									1					
25	0.0005	<3.3	<3.3	400	390			<0.0100	<0.00004	2	<2.0	<0.00001		<1.0	<0.00004
26	0.0005									0					
27	0.0005									4					
28	0.0005									3					
29	0.0005									3					
30	0.0005									2					
31	0.0005									5					
Min	0.0005	0.00	0.00	400.00	390.00	3.50	0.33	0.00	0.00	0.00	2.20	0.003	3.50	1.10	0.0016
Max	0.60	0.00	0.00	430.00	420.00	3.80	0.37	0.000	0.00	11.00	2.20	0.003	3.60	1.10	0.0016
Avg	0.08	0.00	0.00	407.50	405.00	3.65	0.35	0.0000	0.00	3.17	0.55	0.001	3.55	0.28	0.0004

May 2016  
Humboldt Mill WTP Effluent Results - Outfall 002A

PARAMETER	Total Barium	Total Boron	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
CODE	01007	01022	01027	01027	01034	01037	01037	01042	01042	01042	00951	01051	01051	01132	01055
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A
STAGE	1	1	1	1	1	1	1	1	1	R	1	1	1	1	1
UNIT	ug/L	ug/L	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
1															
2															
3															
4	10	98	<0.20	<0.0003	<1.0	2.7	0.0007	<1.0	<0.0003	2.9	<100	<1.0	<0.0003	<8.0	810
5															
6															
7															
8															
9															
10															
11	10	100	<0.20	<0.0003	<1.0	2.6	0.0037	<1.0	<0.0014	2.8	160	<1.0	<0.0014	<8.0	730
12															
13															
14															
15															
16															
17															
18			<0.20	<0.0003		2.5	0.0035	<1.0	<0.0014	2.8		<1.0	<0.0014		720
19															
20															
21															
22															
23															
24															
25			<0.20	<0.000001		2.8	0.0001	<1.0	<0.000004	2.3		<1.0	<0.000004		740
26															
27															
28															
29															
30															
31															
Min	10.00	98.00	0.00	0.00	0.00	2.50	0.0001	0.00	0.00	2.30	160.00	0.00	0.00	0.00	720.00
Max	10.00	100.00	0.00	0.00	0.00	2.80	0.0037	0.00	0.00	2.90	160.00	0.00	0.00	0.00	810.00
Avg	10.00	99.00	0.00	0.00	0.00	2.65	0.0020	0.00	0.00	2.70	80.00	0.00	0.00	0.00	750.00

May 2016  
Humboldt Mill WTP Effluent Results - Outfall 002A

PARAMETER	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	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
STAGE	1	1	1	R	R	1D	1D	RD	RD	1D	RD	1D	RD	1D	RD
UNIT	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															
4	<b>0.2027</b>	<0.500	<0.0000001	<0.500	<0.0000001	<0.500	<0.0000001	<0.500	<0.0000001	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
5															
6															
7															
8															
9															
10															
11	<b>1.035</b>	<0.500	<0.0000007	<0.500	<0.0000007	<0.500	<0.0000007	<0.500	<0.0000007	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
12															
13															
14															
15															
16															
17															
18	<b>1.0208</b>	<0.500	<0.0000007	<0.500	<0.0000007	<0.500	<0.0000007	<0.500	<0.0000007	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
19															
20															
21															
22															
23															
24															
25	<b>0.0031</b>	<0.500	<0.000000002	<0.500	<0.000000002	<0.500	<0.000000002	<0.500	<0.000000002	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
26															
27															
28															
29															
30															
31															
Min	0.00	0.00	0.00	0.00000	0.000000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Max	1.04	0.00	0.00	0.00000	0.000000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avg	0.57	0.00	0.00	0.00000	0.000000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



May 2016  
Humboldt Mill WTP Effluent Results - Outfall 002A

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
CODE	01062	01067	01067	01067	01147	01147	01147	01082	01092	01092	61425	TS16C	TTK6C	03599	00945
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A
STAGE	1	1	1	R	1	1	R	1	1	1	1	1	1	1	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
1															
2															
3															
4	<25	26	0.0065	79	<1.0	<0.0003	1.6	210	<10	<0.0025					180
5															
6															
7															
8															
9															
10															
11	<25	28	0.0397	79	<1.0	<0.0014	<1.0	190	<10	<0.0142					180
12															
13															
14															
15															
16															
17															
18		22	0.0312	77	<1.0	<0.0014	<1.0		<10	<0.0142					180
19											0	0	0	1	
20															
21															
22															
23															
24															
25		28	0.0001	76	<1.0	<0.000004	<1.0		<10	<0.00004					180
26															
27															
28															
29															
30															
31															
Min	0.00	22.00	0.000	76.00	0.00	0.000	1.60	190.00	0.00	0.00	0.00	0.00	0.00	1.00	180.00
Max	0.00	28.00	0.040	79.00	0.00	0.000	1.60	210.00	0.00	0.00	0.00	0.00	0.00	1.00	180.00
Avg	0.00	26.00	0.019	77.75	0.00	0.000	0.40	200.00	0.00	0.00	0.00	0.00	0.00	0.25	180.00

May 2016  
Humboldt Mill WTP Effluent Results - Outfall 002A

PARAMETER	Sulfate	Temperature (F)	Total Hardness	Outfall Observations	pH Minimum	pH Maximum	Dissolved Oxygen				
CODE	00945	00011	00900	84130	00400	00400	00300				
Monitoring Point	002A	002A	002A	002A	002A	002A	002A				
STAGE	R	1	1	1	1	1	1				
UNIT	mg/L	F	mg/L	yes/no	S.U.	S.U.	mg/L				
1		41		yes	*E	7.61	10.96	28260	0.03	0.003	3
2		41		yes	*E	7.66	11.45	26990	0.03	0.001	1
3		42		yes	*E	7.6	11.31	19910	0.02	0.003	3
4	180	44	236	yes	*E	7.72	11.02	25210	0.03	0.002	2
5		42		yes	*E	7.66	11.43	27050	0.03	0.011	11
6		42		yes	*E	7.71	10.44	29560	0.03	0.001	1
7		51		yes	*E	7.81	10.03	29920	0.03	0.002	2
8		46		yes	*E	7.66	10.74	28890	0.03	0.006	6
9		49		yes	*E	7.71	10.85	80070	0.08	0.009	9
10		48		yes	*E	7.72	10.69	208800	0.21	0.004	4
11	180	50	230	yes	*E	7.7	10.32	173980	0.17	0.005	5
12		51		yes	*E	7.75	10.13	177830	0.18	0.005	5
13		53		yes	*E	7.64	9.86	158640	0.16	0	0
14		52		yes	*E	7.71	9.62	602910	0.60	0	0
15		49		yes	*E	7.65	9.85	172340	0.17	0.001	1
16		50		yes	*E	7.73	9.86	104740	0.10	0	0
17		49		yes	*E	7.74	9.89	174810	0.17	0.005	5
18	180	49		yes	*E	7.78	10.17	168880	0.17	0.004	4
19		50		yes	*E	7.78	10.42	93200	0.09	0.005	5
20		52		yes	*E	7.78	10.05	510	0.00	0.004	4
21		52		yes	*E	7.8	9.92	510	0.00	0.003	3
22		54		yes	*E	7.77	9.83	500	0.00	0.004	4
23		57		yes	*E	7.76	9.39	510	0.0005	0.002	2
24		60		yes	*E	7.75	9.29	490	0.0005	0.001	1
25	180	56		yes	*E	7.72	9.72	470	0.0005	0.002	2
26		61		yes	*E	7.8	9.33	520	0.0005	0	0
27		60		yes	*E	7.8	9.28	490	0.0005	0.004	4
28		64		yes	*E	7.7	8.9	500	0.0005	0.003	3
29		62		yes	*E	7.7	9.17	500	0.0005	0.003	3
30		58		yes	*E	7.7	9.09	490	0.0005	0.002	2
31		60		yes	*E	7.7	9.13	480	0.0005	0.005	5
Min	180.00	40.80	230.00	0.00	0.00	7.60	8.90	500			
Max	180.00	63.70	236.00	0.00	0.00	7.81	11.45	490			
Avg	180.00	53.13	233.00	0.00	0.00	7.72	10.10	480			

May 2016  
Humboldt Mill WTP Effluent Results - Outfall 003A

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
CODE	50050	00530	00530	70295	70295	00310	00610	00665	00665	50060	01257	01257	01097	01002
Monitoring Point	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
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
1	0.49									3				
2	0.49									1				
3	0.48									3				
4	0.53	<3.3	<3.3	400	400	3.8	0.37	<0.0100	<0.0442	2	<2.0	<0.0088	3.5	<1.0
5	0.48									11				
6	0.53									1				
7	0.53									2				
8	0.51									6				
9	0.50									9				
10	0.44									4				
11	0.45	<3.3	<3.3	400	420	3.5	0.33	<0.0100	<0.0375	5	<2.0	<0.0075	3.6	<1.0
12	0.45									5				
13	0.40									0				
14	0.43									0				
15	0.44									1				
16	0.27									0				
17	0.46									5				
18	0.46	<3.3	<3.3	430	410			<0.0100	<0.0384	4	2.2	0.0084		1.1
19	0.45									5				
20	0.43									4				
21	0.44									3				
22	0.43									4				
23	0.58									2				
24	0.05									1				
25	0.44	<3.3	<3.3	400	390			<0.0100	<0.0367	2	<2.0	<0.0073		<1.0
26	0.41									0				
27	0.53									4				
28	0.61									3				
29	0.58									3				
30	0.58									2				
31	0.59									5				
Min	0.05	0.00	0.00	400.00	390.00	3.50	0.33	0.0000	0.0000	0.00	2.20	0.01	3.50	1.10
Max	0.61	0.00	0.00	430.00	420.00	3.80	0.37	0.0000	0.0000	11.00	2.20	0.01	3.60	1.10
Avg	0.47	0.00	0.00	407.50	405.00	3.65	0.35	0.0000	0.0000	3.23	0.55	0.002	3.55	0.28

May 2016  
Humboldt Mill WTP Effluent Results - Outfall 003A

PARAMETER	Total Arsenic	Total Barium	Total Boron	Total Cadmium	Total Cadmium	Total Chromium	Total Cobalt	Total Cobalt	Total Copper	Total Copper	Total Copper	Fluoride	Total Lead	Total Lead
CODE	01002	01007	01022	01027	01027	01034	01037	01037	01042	01042	01042	00951	01051	01051
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A
STAGE	1	1	1	1	1	1	1	1	1	1	R	1	1	1
UNIT	lbs/day	ug/L	ug/L	µg/L	lbs/day	ug/L	ug/L	lbs/day	ug/L	lbs/day	ug/L	ug/L	ug/L	lbs/day
1														
2														
3														
4	<0.0044	10	98	<0.20	<0.0009	<1.0	2.7	0.0119	<1.0	<0.0044	2.9	<100	<1.0	<0.0044
5														
6														
7														
8														
9														
10														
11	<0.0038	10	100	<0.20	<0.0008	<1.0	2.6	0.0098	<1.0	<0.0038	2.8	160	<1.0	<0.0038
12														
13														
14														
15														
16														
17														
18	0.0042			<0.20	<0.0008		2.5	0.0096	<1.0	<0.0038	2.8		<1.0	<0.0038
19														
20														
21														
22														
23														
24														
25	<0.0367			<0.20	<0.00073		2.8	0.0073	<1.0	<0.0037	2.3		<1.0	<0.0037
26														
27														
28														
29														
30														
31														
Min	0.0042	10.00	98.00	0.00	0.00	0.00	2.50	0.0073	0.00	0.00	2.30	160.00	0.00	0.00
Max	0.0042	10.00	100.00	0.00	0.00	0.00	2.80	0.0119	0.00	0.00	2.90	160.00	0.00	0.00
Avg	0.0011	5.00	99.00	0.00	0.00	0.00	2.65	0.0097	0.00	0.00	2.70	80.00	0.00	0.00

May 2016  
Humboldt Mill WTP Effluent Results - Outfall 003A

PARAMETER	Total Lithium	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)
CODE	01132	01055	01055	71900	71900	71900	71900	7190a	7190a	7190a	7190a	7190b	7190b	7190c
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A
STAGE	1	1	1	1	1	R	R	1D	1D	RD	RD	1D	RD	1D
UNIT	ug/L	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
1														
2														
3														
4	<8.0	810	3.58	<0.500	<0.000002	<0.500	<0.000002	<0.500	<0.000002	<0.500	<0.000002	<0.500	<0.500	<0.500
5														
6														
7														
8														
9														
10														
11	<8.0	730	2.7397	<0.500	<0.000002	<0.500	<0.000002	<0.500	<0.000002	<0.500	<0.000002	<0.500	<0.500	<0.500
12														
13														
14														
15														
16														
17														
18		720	2.7622	<0.500	<0.000002	<0.500	<0.000002	<0.500	<0.000002	<0.500	<0.000002	<0.500	<0.500	<0.500
19														
20														
21														
22														
23														
24														
25		740	2.7155	<0.500	<0.0000018	<0.500	<0.0000018	<0.500	<0.0000018	<0.500	<0.0000018	<0.500	<0.500	<0.500
26														
27														
28														
29														
30														
31														
Min	0.00	720.00	2.72	0.00	0.00	0.00	0.0000000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Max	0.00	810.00	3.58	0.00	0.00	0.00	0.0000000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avg	0.00	750.00	2.95	0.00	0.00	0.00	0.0000000	0.00	0.00	0.00	0.00	0.00	0.00	0.00

May 2016  
Humboldt Mill WTP Effluent Results - Outfall 003A

PARAMETER	Mercury (field blank)	Mercury (laboratory method blank)	Mercury (laboratory method blank)	Total Molybdenum	Total Nickel	Total Nickel	Total Nickel	Total Selenium	Total Selenium	Total Selenium	Total Strontium	Total Zinc	Total Zinc	Acute Toxicity (ceriodaphnia dubia)
CODE	7190c	7190d	7190d	01062	01067	01067	01067	01147	01147	01147	01082	01092	01092	61425
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A
STAGE	RD	1D	RD	1	1	1	R	1	1	R	1	1	1	1
UNIT	ng/L	ng/L	ng/L	ug/L	ug/L	lbs/day	ug/L	ug/L	lbs/day	ug/L	ug/L	ug/L	lbs/day	TUA
1														
2														
3														
4	<0.500	<0.500	<0.500	<25	26	0.1149	79	<1.0	<0.0044	1.6	210	<10	<0.0442	
5														
6														
7														
8														
9														
10														
11	<0.500	<0.500	<0.500	<25	28	0.1051	79	<1.0	<0.0038	<1.0	190	<10	<0.0375	
12														
13														
14														
15														
16														
17														
18	<0.500	<0.500	<0.500		22	0.0844	77	<1.0	<0.0038	<1.0		<10	<0.0374	
19														0
20														
21														
22														
23														
24														
25	<0.500	<0.500	<0.500		28	0.1027	76	<1.0	<0.0037	<1.0		<10	<0.367	
26														
27														
28														
29														
30														
31														
Min	0.00	0.00	0.00	0.00	22.00	0.08	76.00	0.00	0.0000	1.60	190.00	0.00	0.00	0.00
Max	0.00	0.00	0.00	0.00	28.00	0.11	79.00	0.00	0.0000	1.60	210.00	0.00	0.00	0.00
Avg	0.00	0.00	0.00	0.00	26.00	0.10	77.75	0.00	0.0000	0.40	200.00	0.00	0.00	0.00

May 2016  
Humboldt Mill WTP Effluent Results - Outfall 003A

PARAMETER	Acute Toxicity (fathead minnow)	Chronic Toxicity (fathead minnow)	Chronic Toxicity (ceriodaphnia dubia)	Sulfate	Sulfate	Temperature (F)	Total Hardness	Outfall Observations	pH Minimum	pH Maximum	Dissolved Oxygen				
CODE	TS16C	TTK6C	03599	00945	00945	00011	00900	84130	00400	00400	00300				
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A				
STAGE	1	1	1	1	R	1	1	1	1	1	1				
UNIT	TUA	TUC	TUC	mg/L	mg/L	F	mg/L	yes/no	S.U.	S.U.	mg/L				
1						41		yes	*E	7.61	10.96	493275	0.49		
2						41		yes	*E	7.66	11.45	494935	0.49		
3						42		yes	*E	7.6	11.31	480060	0.48		
4				180	180	44	236	yes	*E	7.72	11.02	526895	0.53	0.002	2
5						42		yes	*E	7.66	11.43	477585	0.48		
6						42		yes	*E	7.71	10.44	533470	0.53		
7						51		yes	*E	7.81	10.03	534160	0.53		
8						46		yes	*E	7.66	10.74	512250	0.51		
9						49		yes	*E	7.71	10.85	503915	0.50		
10						48		yes	*E	7.72	10.69	439260	0.44		
11				180	180	50	230	yes	*E	7.70	10.32	448020	0.45	0.005	5
12						51		yes	*E	7.75	10.13	453480	0.45		
13						53		yes	*E	7.64	9.86	402015	0.40		
14						52		yes	*E	7.71	9.62	431680	0.43		
15						49		yes	*E	7.65	9.85	437435	0.44		
16						50		yes	*E	7.73	9.86	270345	0.27		
17						49		yes	*E	7.74	9.89	460060	0.46		
18				180	180	49		yes	*E	7.78	10.17	456810	0.46	0.004	4
19	0	0	1			50		yes	*E	7.78	10.42	447505	0.45		
20						52		yes	*E	7.78	10.05	434090	0.43		
21						52		yes	*E	7.8	9.92	435280	0.44		
22						54		yes	*E	7.77	9.83	431595	0.43		
23						57		yes	*E	7.76	9.39	576000	0.58		
24						60		yes	*E	7.75	9.29	52334	0.05		
25				180	180	56		yes	*E	7.72	9.72	442602	0.44		
26						61		yes	*E	7.8	9.33	405780	0.41		
27						60		yes	*E	7.8	9.28	525864	0.53		
28						64		yes	*E	7.7	8.9	611660	0.61		
29						62		yes	*E	7.7	9.17	580350	0.58		
30						58		yes	*E	7.7	9.09	581810	0.58		
31						60		yes	*E	7.7	9.13	586530	0.59		
Min	0.00	0.00	1.00	180.00	180.00	40.80	230.00	0.00	0.00	7.60	8.90				
Max	0.00	0.00	1.00	180.00	180.00	63.70	236.00	0.00	0.00	7.81	11.45				
Avg	0.00	0.00	0.25	180.00	180.00	51.41	233.00	0.00	0.00	7.72	10.07				