

June2016
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
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	0.36	3.3	3.3	440	440	<2.0	0.33	<0.0100	<0.03	3	2.1	0.0063	3.9	<1.0	<0.003
2	0.36									4					
3	0.36									4					
4	0.36									4					
5	0.37									4					
6	0.36									1					
7	0.27									4					
8	0.28	<3.3	<3.3	450	450	<2.0	0.26	<0.0100	<0.0234	3	<2.0	<0.0047	3.5	<1.0	<0.0023
9	0.36									3					
10	0.36									5					
11	0.37									1					
12	0.37									1					
13	0.19									7					
14	0.16									0					
15	0.17	<3.3	<3.3	460	440			<0.0100	<0.0142	1	2.7	0.0038		<1.0	<0.0014
16	0.18									0					
17	0.15									1					
18	0.15									5					
19	0.15									6					
20	0.15									8					
21	0.15									9					
22	0.13	<3.3	<3.3	470	490			<0.0100	<0.0108	0	<2.0	<0.0022		<1.0	<0.0011
23	0.16									5					
24	0.03									4					
25	0.00									5					
26	0.00									3					
27	0.00									1					
28	0.00									6					
29	0.00	<3.3	<3.3	510	490			<0.0100	0	4	<2.0	0		<1.0	0
30	0.00									2					
Min	0.00	3.30	3.30	440.00	440.00	0.00	0.26	0.00	0.00	0.00	2.10	0.00	3.50	0.00	0.00
Max	0.37	3.30	3.30	470.00	490.00	0.00	0.33	0.00	0.00	9.00	2.70	0.01	3.90	0.00	0.00
	0.20	0.83	0.83	455.00	455.00	0.00	0.30	0.00	0.00	3.47	1.20	0.0025	3.70	0.00	0.00

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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
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	12	92	<0.20	<0.0006	<1.0	2.5	0.0075	<1.0	<0.003	2.6	170	<1.0	<0.003	<8.0	710
2															
3															
4															
5															
6															
7															
8	11	97	<0.20	<0.0005	<1.0	2.6	0.0061	<1.0	<0.0023	3.1	160	<1.0	<0.0023	<8.0	700
9															
10															
11															
12															
13															
14															
15			<0.20	<0.0003		2.4	0.0034	<1.0	<0.0014	2.8		<1.0	<0.0014		700
16															
17															
18															
19															
20															
21															
22			<0.20	<0.00022		2.2	0.0024	<1.0	<0.0011	2.8		<1.0	<0.0011		650
23															
24															
25															
26															
27															
28															
29			<0.20	0		2.2	0	<1.0	0	1.8		<1.0	0		590
30															
Min	11.00	92.00	0.00	0.00	0.00	2.20	0.00	0.00	0.00	1.80	160.00	0.00	0.00	0.00	590.00
Max	12.00	97.00	0.00	0.00	0.00	2.60	0.008	0.00	0.00	3.10	170.00	0.00	0.00	0.00	710.00
	11.50	94.50	0.00	0.00	0.00	2.43	0.005	0.00	0.00	2.83	165.00	0.00	0.00	0.00	690.00

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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)
STAGE	1	1	1	R	R	1	1	R	R	1D	RD	1D	RD	1D
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
1	2.1317	<0.500	<0.000002	0.634	0.000002	<0.500	<0.000002	<0.500	<0.000002	<0.500	<0.500	<0.500	<0.500	<0.500
2														
3														
4														
5														
6														
7														
8	1.6346	<0.500	<0.000001	0.641	0.000001	<0.500	<0.000001	<0.500	<0.000001	<0.500	<0.500	<0.500	<0.500	<0.500
9														
10														
11														
12														
13														
14														
15	0.9925	<0.500	<0.000001	0.524	0.000001	<0.500	<0.000001	<0.500	<0.000001	<0.500	<0.500	<0.500	<0.500	<0.500
16														
17														
18														
19														
20														
21														
22	0.7047	<0.500	<0.000001	<0.500	<0.000001	<0.500	<0.000001	<0.500	<0.000001	<0.500	<0.500	<0.500	<0.500	<0.500
23														
24														
25														
26														
27														
28														
29	0	<0.500	0	<0.500	0	<0.500	0	<0.500	0	<0.500	<0.500	<0.500	<0.500	<0.500
30														
Min	0.00	0.00	0.00000000	0.52	0.00000000	0.00	0.00000000	0.00	0.00000000	0.00	0.00	0.00	0.00	0.00
Max	2.13	0.00	0.00	0.64	0.000002	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1.37	0.00	0.00	0.45	0.000001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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PARAMETER	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)	Acute Toxicity (fathead minnow)	Chronic Toxicity (fathead minnow)	Chronic Toxicity (ceriodaphnia dubia)
STAGE	RD	1	1	1	R	1	1	R	1	1	1	1	1	1	1
UNIT	ng/L	ug/L	ug/L	lbs/day	ug/L	ug/L	lbs/day	ug/L	ug/L	ug/L	lbs/day	TUA	TUA	TUC	TUC
1	<0.500	<25	25	0.0751	73	<1.0	<0.0030	<1	210	<10	<0.03				
2															
3															
4															
5															
6															
7															
8	<0.500	<25	26	0.0607	72	<1.0	<0.0023	<1.0	210	<10	<0.0234				
9															
10															
11															
12															
13															
14															
15	<0.500		25	0.0354	75	<1.0	<0.0014	<1.0		<10	<0.0142				
16															
17															
18															
19															
20															
21															
22	<0.500		21	0.0228	69	<1.0	<0.0011	<1.0		<10	<0.0108				
23												0	0	0	0
24															
25															
26															
27															
28															
29	<0.500		17	0	65	<1.0	0	<1.0		<10	0				
30															
Min	0.00	0.00	17.00	0.00	65.00	0.00	0.00	0.00	210.00	0.00	0.00	0.00	0.00	0.00	0.00
Max	0.00	0.00	26.00	0.08	75.00	0.00	0.00	0.00	210.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	24.25	0.05	72.25	0.00	0.00	0.00	210.00	0.00	0.00				

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PARAMETER	Sulfate	Sulfate	Temperature (F)	Total Hardness	Outfall Observations	pH Minimum	pH Maximum	Dissolved Oxygen					
STAGE	1	R	1	1	1	1	1	1					
UNIT	mg/L	mg/L	F	mg/L	yes/no	S.U.	S.U.	mg/L					
1	170	170	64.6	234	yes	*E	7.7	8.79	0.00	359660	0.36	0.003	3
2			63.5		yes	*E	7.8	8.83	0.00	362508	0.36	0.004	4
3			63.5		yes	*E	7.9	8.85	0.00	362588	0.36	0.004	4
4			63.9		yes	*E	8.1	8.79	0.00	362864	0.36	0.004	4
5			62.8		yes	*E	7.9	8.80	0.00	366480	0.37	0.004	4
6			61.1		yes	*E	7.9	8.78	0.00	364400	0.36	0.001	1
7			59.0		yes	*E	7.8	9.12	0.00	272130	0.27	0.004	4
8	170	170	59.0	228	yes	*E	7.8	9.14	0.00	282606	0.28	0.003	3
9			59.6		yes	*E	7.8	9.46	0.00	362536	0.36	0.003	3
10			64.2		yes	*E	7.8	9.34	0.00	364952	0.36	0.005	5
11			65.9		yes	*E	7.9	8.92	0.00	365968	0.37	0.001	1
12			62.0		yes	*E	7.8	9.16	0.00	366620	0.37	0.001	1
13			63.5		yes	*E	7.8	8.99	0.00	186040	0.19	0.007	7
14			64.1		yes	*E	7.8	8.83	0.00	160700	0.16	0.000	0
15	170	170	63.7		yes	*E	7.7	8.70	0.00	168690	0.17	0.001	1
16			65.4		yes	*E	7.7	8.83	0.00	177360	0.18	0.000	0
17			66.1		yes	*E	7.7	8.79	0.00	149848	0.15	0.001	1
18			63.8		yes	*E	7.7	8.46	0.00	148242	0.15	0.005	5
19			64.9		yes	*E	7.8	8.66	0.00	149576	0.15	0.006	6
20			73.0		yes	*E	7.9	8.19	0.00	149886	0.15	0.008	8
21			69.6		yes	*E	7.9	8.46	0.00	149930	0.15	0.009	9
22	180	180	67.6		yes	*E	7.8	8.49	0.00	131360	0.13	0.000	0
23			67.5		yes	*E	7.8	8.52	0.00	158920	0.16	0.005	5
24			67.9		yes	*E	7.8	8.61	0.00	26612	0.03	0.004	4
25			66.7		yes	*E	7.8	8.61	0.00	0	0.00	0.005	5
26			71.6		yes	*E	8.0	8.41	0.00	0	0.00	0.003	3
27			71.1		yes	*E	7.9	8.34	0.00	0	0.00	0.001	1
28			67.8		yes	*E	7.8	9.19	0.00	0	0.00	0.006	6
29	170	170	67.0		yes	*E	7.8	9.17	0.00	0	0.00	0.004	4
30			67.4		yes	*E	7.8	9.23	0.00	0	0.00	0.002	2
Min	170.00	170.00	59.00	228.00	0.00	0.00	7.71	8.19					
Max	180.00	180.00	73.00	234.00	0.00	0.00	8.09	9.46					
	172.50	172.50	65.26	231.00	#DIV/0!	#DIV/0!	7.82	8.82					

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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
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	0.0005	3.3	3.3	440	440	<2.0	0.33	<0.0100	<0.00004	3	2.1	0.00001	3.9	<1.0
2	0.0005									4				
3	0.0005									4				
4	0.0005									4				
5	0.0005									4				
6	0.0005									1				
7	0.0005									4				
8	0.0005	<3.3	<3.3	450	450	<2.0	0.26	<0.0100	<0.00004	3	<2.0	<0.00001	3.5	<1.0
9	0.0005									3				
10	0.0005									5				
11	0.0005									1				
12	0.0005									1				
13	0.0005									7				
14	0.0005									0				
15	0.0005	<3.3	<3.3	460	440			<0.0100	<0.00004	1	2.7	0.00001		<1.0
16	0.0005									0				
17	0.0005									1				
18	0.0005									5				
19	0.0005									6				
20	0.0005									8				
21	0.0005									9				
22	0.0005	<3.3	<3.3	470	490			<0.0100	<0.00004	0	<2.0	<0.00001		<1.0
23	0.0005									5				
24	0.0005									4				
25	0.0005									5				
26	0.0005									3				
27	0.0005									1				
28	0.0005									6				
29	0.0005	<3.3	<3.3	510	490			<0.0100	<0.00004	4	<2.0	<0.00001		<1.0
30	0.0005									2				
Min	0.00	3.30	3.30	440.00	440.00	0.00	0.26	0.00	0.00	0.00	2.10	0.0000100	3.50	0.00
Max	0.00	3.30	3.30	510.00	490.00	0.00	0.33	0.000	0.00	9.00	2.70	0.0000100	3.90	0.00
Average	0.00	0.66	0.66	466.00	462.00	0.00	0.30	0.0000	0.00	3.47	0.96	0.0000050	3.70	0.00

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Humboldt Mill WTP Effluent Results - Outfall 002A

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	<0.00004	12	92	<0.20	<0.000001	<1.0	2.5	0.00001	<1.0	<0.000004	2.6	170	<1.0	<0.000004
2														
3														
4														
5														
6														
7														
8	<0.00004	11	97	<0.20	<0.000001	<1.0	2.6	0.00001	<1.0	<0.000004	3.1	160	<1.0	<0.000004
9														
10														
11														
12														
13														
14														
15	<0.00004			<0.20	<0.000001		2.4	0.00001	<1.0	<0.000004	2.8		<1.0	<0.000004
16														
17														
18														
19														
20														
21														
22	<0.00004			<0.20	<0.000001		2.2	0.00001	<1.0	<0.000004	2.8		<1.0	<0.000004
23														
24														
25														
26														
27														
28														
29	<0.00004			<0.20	<0.000001		2.2	0.00001	<1.0	<0.000004	1.8		<1.0	<0.000004
30														
Min	0.0000	11.00	92.00	0.00	0.00	0.00	2.20	0.000010	0.00	0.00	1.80	160.00	0.00	0.00
Max	0.0000	12.00	97.00	0.00	0.00	0.00	2.60	0.000010	0.00	0.00	3.10	170.00	0.00	0.00
Average	0.0000	11.50	94.50	0.00	0.00	0.00	2.38	0.000010	0.00	0.00	2.62	165.00	0.00	0.00

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Humboldt Mill WTP Effluent Results - Outfall 002A

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)
CODE	01132	01055	01055	71900	71900	71900	71900	7190a	7190a	7190a	7190a	7190b	7190b
Monitoring Point	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
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
1	<8.0	710	0.003	<0.500	<0.000000002	0.634	0.000000003	<0.500	<0.000000002	<0.500	<0.000000002	<0.500	<0.500
2													
3													
4													
5													
6													
7													
8	<8.0	700	0.0029	<0.500	<0.000000002	0.641	0.000000003	<0.500	<0.000000002	<0.500	<0.000000002	<0.500	<0.500
9													
10													
11													
12													
13													
14													
15		700	0.0029	<0.500	<0.000000002	0.524	0.000000002	<0.500	<0.000000002	<0.500	<0.000000002	<0.500	<0.500
16													
17													
18													
19													
20													
21													
22		650	0.0027	<0.500	<0.000000002	<0.500	<0.000000002	<0.500	<0.000000002	<0.500	<0.000000002	<0.500	<0.500
23													
24													
25													
26													
27													
28													
29		590	0.0025	<0.500	<0.000000002	<0.500	<0.000000002	<0.500	<0.000000002	<0.500	<0.000000002	<0.500	<0.500
30													
Min	0.00	590.00	0.0025	0.00	0.00	0.52400	0.000000002	0.00	0.00	0.00	0.00	0.00	0.00
Max	0.00	710.00	0.0030	0.00	0.00	0.64100	0.000000003	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.00	670.00	0.0028	0.00	0.00	0.36	0.000000002	0.00	0.00	0.00	0.00	0.00	0.00

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PARAMETER	Mercury (field blank)	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
CODE	7190c	7190c	7190d	7190d	01062	01067	01067	01067	01147	01147	01147	01082	01092	01092
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A
STAGE	1D	RD	1D	RD	1	1	1	R	1	1	R	1	1	1
UNIT	ng/L	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
1	<0.500	<0.500	<0.500	<0.500	<25	25	0.0001	73	<1.0	<0.000004	<1	210	<10	<0.00004
2														
3														
4														
5														
6														
7														
8	<0.500	<0.500	<0.500	<0.500	<25	26	0.0001	72	<1.0	<0.000004	<1.0	210	<10	<0.00004
9														
10														
11														
12														
13														
14														
15	<0.500	<0.500	<0.500	<0.500		25	0.0001	75	<1.0	<0.000004	<1.0		<10	<0.00004
16														
17														
18														
19														
20														
21														
22	<0.500	<0.500	<0.500	<0.500		21	0.0001	69	<1.0	<0.000004	<1.0		<10	<0.00004
23														
24														
25														
26														
27														
28														
29	<0.500	<0.500	<0.500	<0.500		17	0.0001	65	<1.0	<0.000004	<1.0		<10	<0.00004
30														
Min	0.00	0.00	0.00	0.00	0.00	17.00	0.00010	65.00	0.00	0.000	0.00	210.00	0.00	0.00
Max	0.00	0.00	0.00	0.00	0.00	26.00	0.00010	75.00	0.00	0.000	0.00	210.00	0.00	0.00
Average	0.00	0.00	0.00	0.00	0.00	22.80	0.00010	70.80	0.00	0.00	0.00	210.00	0.00	0.00

June 2016
Humboldt Mill WTP Effluent Results - Outfall 002A

PARAMETER	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	Dissolved Oxygen
CODE	61425	TS16C	TTK6C	03599	00945	00945	00011	00900	84130	00400	00400	00300
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A
STAGE	1	1	1	1	1	R	1	1	1	1	1	1
UNIT	TUA	TUA	TUC	TUC	mg/L	mg/L	F	mg/L	yes/no	S.U.	S.U.	mg/L
1					170	170	64.6	234	yes	*E	7.7	8.79
2							63.5		yes	*E	7.8	8.83
3							63.5		yes	*E	7.9	8.85
4							63.9		yes	*E	8.1	8.79
5							62.8		yes	*E	7.9	8.80
6							61.1		yes	*E	7.9	8.78
7							59.0		yes	*E	7.8	9.12
8					170	170	59.0	228	yes	*E	7.8	9.14
9							59.6		yes	*E	7.8	9.46
10							64.2		yes	*E	7.8	9.34
11							65.9		yes	*E	7.9	8.92
12							62.0		yes	*E	7.8	9.16
13							63.5		yes	*E	7.8	8.99
14							64.1		yes	*E	7.8	8.83
15					170	170	63.7		yes	*E	7.7	8.70
16							65.4		yes	*E	7.7	8.83
17							66.1		yes	*E	7.7	8.79
18							63.8		yes	*E	7.7	8.46
19							64.9		yes	*E	7.8	8.66
20							73.0		yes	*E	7.9	8.19
21							69.6		yes	*E	7.9	8.46
22					180	180	67.6		yes	*E	7.8	8.49
23	0	0	0	0			67.5		yes	*E	7.8	8.52
24							67.9		yes	*E	7.8	8.61
25							66.7		yes	*E	7.8	8.61
26							71.6		yes	*E	8.0	8.41
27							71.1		yes	*E	7.9	8.34
28							67.8		yes	*E	7.8	9.19
29					170	170	67.0		yes	*E	7.8	9.17
30							67.4		yes	*E	7.8	9.23
Min	0.00	0.00	0.00	0.00	170.00	170.00	59.00	228.00	0.00	0.00	7.71	8.19
Max	0.00	0.00	0.00	0.00	180.00	180.00	73.00	234.00	0.00	0.00	8.09	9.46
Average					172.00	172.00	65.26	231.00				

June 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
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	0.54	<3.3	3.3	440	440	<2.0	0.33	<0.0100	<0.045	3	2.1	0.0094	3.9	<1.0
2	0.54									4				
3	0.54									4				
4	0.54									4				
5	0.55									4				
6	0.55									1				
7	0.54									4				
8	0.57	<3.3	<3.3	450	450	<2.0	0.26	<0.0100	<0.478	3	<2.0	<0.0095	3.5	<1.0
9	0.54									3				
10	0.55									5				
11	0.55									1				
12	0.55									1				
13	0.62									7				
14	0.57									0				
15	0.57	<3.3	<3.3	460	440			<0.0100	<0.0475	1	2.7	0.0128		<1.0
16	0.56									0				
17	0.60									1				
18	0.59	0	0							5				
19	0.60									6				
20	0.60									8				
21	0.58									9				
22	0.55	<3.3	<3.3	470	490			<0.0100	<0.0459	0	<2.0	<0.0092		<1.0
23	0.58									5				
24	0.58									4				
25	0.63									5				
26	0.61									3				
27	0.61									1				
28	0.59									6				
29	0.57	<3.3	<3.3	510	490			<0.0100	<0.0475	4	<2.0	<0.0095		<1.0
30	0.59									2				
Min	0.54	0.00	0.00	440.00	440.00	0.00	0.26	0.0000	0.0000	0.00	2.10	0.009	3.50	0.00
Max	0.63	0.00	3.30	510.00	490.00	0.00	0.33	0.0000	0.0000	9.00	2.70	0.013	3.90	0.00
Avg	0.57	0.00	0.66	466.00	462.00	0.00	0.30	0.0000	0.0000	3.47	0.96	0.006	3.70	0.00

June 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
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	<0.0045	12	92	<0.20	<0.001	<1.0	2.5	0.0112	<1.0	<0.0045	2.6	170	<1.0	<0.0045
2														
3														
4														
5														
6														
7														
8	<0.0048	11	97	<0.20	<0.001	<1.0	2.6	0.0124	<1.0	<0.0048	3.1	160	<1.0	<0.0048
9														
10														
11														
12														
13														
14														
15	<0.0048			<0.20	<0.001		2.4	0.0114	<1.0	<0.0048	2.8		<1.0	<0.0048
16														
17														
18														
19														
20														
21														
22	<0.0046			<0.20	<0.001		2.2	0.0101	<1.0	<0.0046	2.8		<1.0	<0.0046
23														
24														
25														
26														
27														
28														
29	<0.0048			<0.20	<0.001		2.2	0.0128	<1.0	<0.0048	1.8		<1.0	<0.0048
30														
Min	0.0000	11.00	92.00	0.00	0.00	0.00	2.20	0.0101	0.00	0.00	1.80	160.00	0.00	0.00
Max	0.0000	12.00	97.00	0.00	0.00	0.00	2.60	0.0128	0.00	0.00	3.10	170.00	0.00	0.00
Avg	0.0000	11.50	94.50	0.00	0.00	0.00	2.38	0.0116	0.00	0.00	2.62	165.00	0.00	0.00

June 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)
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	<8.0	710	3.1945	<0.500	<0.0000022	0.634	0.0000029	<0.500	<0.0000022	<0.500	<0.0000022	<0.500	<0.500	<0.500
2														
3														
4														
5														
6														
7														
8	<8.0	700	3.3277	<0.500	<0.0000024	0.641	0.000003	<0.500	<0.0000024	<0.500	<0.0000024	<0.500	<0.500	<0.500
9														
10														
11														
12														
13														
14														
15		700	3.3277	<0.500	<0.0000024	0.524	0.0000025	<0.500	<0.0000024	<0.500	<0.0000024	<0.500	<0.500	<0.500
16														
17														
18														
19														
20														
21														
22		650	2.9816	<0.500	<0.0000023	<0.500	<0.0000023	<0.500	<0.0000023	<0.500	<0.0000023	<0.500	<0.500	<0.500
23														
24														
25														
26														
27														
28														
29		590	2.8047	<0.500	<0.0000024	<0.500	<0.0000024	<0.500	<0.0000024	<0.500	<0.0000024	<0.500	<0.500	<0.500
30														
Min	0.00	590.00	2.80	0.00	0.00	0.52	0.0000025	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Max	0.00	710.00	3.33	0.00	0.00	0.64	0.0000030	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avg	0.00	670.00	3.13	0.00	0.00	0.36	0.0000017	0.00	0.00	0.00	0.00	0.00	0.00	0.00

June 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)
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	<0.500	<0.500	<0.500	<25	25	0.1125	73	<1.0	<0.0045	<1.0	210	<10	<0.045	
2														
3														
4														
5														
6														
7														
8	<0.500	<0.500	<0.500	<25	26	0.0126	72	<1.0	<0.0048	<1.0	210	<10	<0.0475	
9														
10														
11														
12														
13														
14														
15	<0.500	<0.500	<0.500		25	0.1188	75	<1.0	<0.0048	<1.0		<10	<0.0475	
16														
17														
18														
19														
20														
21														
22	<0.500	<0.500	<0.500		21	0.0963	69	<1.0	<0.0046	<1.0		<10	<0.0459	
23														0
24														
25														
26														
27														
28														
29	<0.500	<0.500	<0.500		17	0.0808	65	<1.0	<0.0048	<1.0		<10	<0.0475	
30														
Min	0.00	0.00	0.00	0.00	17.00	0.01	65.00	0.00	0.0000	0.00	210.00	0.00	0.00	0.00
Max	0.00	0.00	0.00	0.00	26.00	0.12	75.00	0.00	0.0000	0.00	210.00	0.00	0.00	0.00
Avg	0.00	0.00	0.00	0.00	22.80	0.08	70.80	0.00	0.0000	0.00	210.00	0.00	0.00	

June 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		
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				170	170	64.6	234	yes	*E	7.7	8.79	539490	0.54
2						63.5		yes	*E	7.8	8.83	543762	0.54
3						63.5		yes	*E	7.9	8.85	543882	0.54
4						63.9		yes	*E	8.1	8.79	544296	0.54
5						62.8		yes	*E	7.9	8.80	549720	0.55
6						61.1		yes	*E	7.9	8.78	546600	0.55
7						59.0		yes	*E	7.8	9.12	544260	0.54
8				170	170	59.0	228	yes	*E	7.8	9.14	565213	0.57
9						59.6		yes	*E	7.8	9.46	543840	0.54
10						64.2		yes	*E	7.8	9.34	547428	0.55
11						65.9		yes	*E	7.9	8.92	548952	0.55
12						62.0		yes	*E	7.8	9.16	549930	0.55
13						63.5		yes	*E	7.8	8.99	616320	0.62
14						64.1		yes	*E	7.8	8.83	567360	0.57
15				170	170	63.7		yes	*E	7.7	8.70	573140	0.57
16						65.4		yes	*E	7.7	8.83	562140	0.56
17						66.1		yes	*E	7.7	8.79	599392	0.60
18						63.8		yes	*E	7.7	8.46	592968	0.59
19						64.9		yes	*E	7.8	8.66	598304	0.60
20						73.0		yes	*E	7.9	8.19	599544	0.60
21						69.6		yes	*E	7.9	8.46	580320	0.58
22				180	180	67.6		yes	*E	7.8	8.49	549430	0.55
23	0	0	0			67.5		yes	*E	7.8	8.52	581760	0.58
24						67.9		yes	*E	7.8	8.61	576118	0.58
25						66.7		yes	*E	7.8	8.61	629360	0.63
26						71.6		yes	*E	8.0	8.41	612660	0.61
27						71.1		yes	*E	7.9	8.34	614480	0.61
28						67.8		yes	*E	7.8	9.19	589810	0.59
29				170	170	67.0		yes	*E	7.8	9.17	572220	0.57
30						67.4		yes	*E	7.8	9.23	586800	0.59
Min	0.00	0.00	0.00	170.00	170.00	59.00	228.00	0.00	0.00	7.71	8.19		
Max	0.00	0.00	0.00	180.00	180.00	73.00	234.00	0.00	0.00	8.09	9.46		
Avg				172.00	172.00	65.26	231.00	#DIV/0!	#DIV/0!	7.82	8.82		