

April 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	0.27									5							
2	0.19									3							
3	0.31									7							
4	0.29	<3.3	<3.3	270	570	2.6	0.16	0.016	0.039	7	2.5	0.006	<1.0	<1.0	<0.002	8.2	93.3
5	0.30									7							
6	0.29									4							
7	0.26									9							
8	0.28									0							
9	0.28									8							
10	0.20									2							
11	0.00									*E							
12	0.09	<3.3	<3.3	320	560	2.7	0.16	<0.010	<0.008	3	2.8	0.002	<1.0	<1.0	<0.001	8.5	98.4
13	0.10									4							
14	0.11									5							
15	0.08									2							
16	0.09									1							
17	0.06									4							
18	0.09	<3.3	3.3	290	2400		0.31	<0.010	<0.008	0	<5.0	<0.004		<1.0	<0.001		
19	0.09									3							
20	0.12									2							
21	0.09									7							
22	0.28									9							
23	0.16									4							
24	0.11									2							
25	0.04	<3.3	31.2	280	2200		0.28	<0.010	<0.003	5	<5.0	<0.002		<1.0	<0.0003		
26	0.11									6							
27	0.10									1							
28	0.11									2							
29	0.08									2							
30	0.10									3							

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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																	
4	<0.20	<0.0005	2.0	<1.0	<0.002	<1.0	<0.002	3.7	<100	<1.0	<0.002	<8.0	726	1.756	<0.50	<0.0000012	0.541
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12	<0.20	<0.0002	<1.0	<1.0	<0.001	<1.0	<0.001	3.2	<100	<1.0	<0.001	<8.0	794	0.596	<0.50	<0.0000004	<0.50
13																	
14																	
15																	
16																	
17																	
18	<0.20	<0.0002		<1.0	<0.001	<1.0	<0.001	<1.0	<0.10	<1.0	<0.001		9.8	0.007	<0.50	<0.0000004	<4.0
19																	
20																	
21																	
22																	
23																	
24																	
25	<0.20	<0.0001		<1.0	<0.0003	<1.0	<0.0003	7.6	<0.10	<1.0	<0.0003		12.8	0.004	<0.50	<0.0000002	4.0
26																	
27																	
28																	
29																	
30																	

April 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																
2																
3																
4	0.0000013	<0.500	<0.0000012	<0.500	<0.0000012	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<25.0	16.8	0.041	110	<1.0
5																
6																
7																
8																
9																
10																
11																
12	<0.0000004	<0.500	<0.0000004	<0.500	<0.0000004	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<25.0	18.5	0.0139	112	<1.0
13																
14																
15																
16																
17																
18	<0.00003	<0.500	<0.0000004	<0.500	<0.0000004	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500		<2.0	<0.002	119	<1.0
19																
20																
21																
22																
23																
24																
25	0.00001	<0.500	<0.0000002	<0.500	<0.0000002	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500		<2.0	<0.001	230	<1.0
26																
27																
28																
29																
30																

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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												38.3		yes	7.97	8.34
2												38.4		yes	7.22	8.49
3												37.8		yes	6.85	8.71
4	<0.002	<1.0	101	<10.0	<0.024					128	295	37.7	110	yes	7.46	7.88
5												38.5		yes	7.48	7.78
6												38.8		yes	7.48	8.04
7												38.2		yes	7.58	8.21
8												38.5		yes	7.29	8.30
9												38.4		yes	7.36	7.94
10												38.0		yes	7.39	8.03
11												*E		*E	*E	*E
12	<0.001	<1.0	106	<10.0	<0.008					142	291	38.3	124	yes	6.97	8.70
13												58.8		yes	6.41	8.72
14												57.8		yes	7.01	8.66
15												57.9		yes	6.95	7.48
16												58.0		yes	6.81	7.61
17												58.4		yes	6.26	7.04
18	<0.001	4.1		<10.0	<0.008					166	833	58.1		yes	6.70	7.05
19												58.2		yes	6.65	6.98
20												57.9		yes	6.73	7.08
21												58.3		yes	6.55	7.76
22												38.2		yes	7.07	7.31
23						0	0	0	0			38.9		yes	6.56	7.34
24												58.3		yes	6.48	6.90
25	<0.0003	4.6		<10.0	<0.003					172	684	58.8		yes	6.12	6.71
26												57.3		yes	6.55	6.91
27												57.7		yes	6.70	6.91
28												57.1		yes	6.69	6.83
29												57.0		yes	6.47	8.32
30												57.6		yes	6.53	6.90

April 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	11.22
2	11.10
3	11.16
4	11.16
5	11.21
6	10.62
7	11.04
8	11.14
9	11.08
10	11.02
11	*E
12	11.28
13	8.77
14	8.94
15	7.46
16	8.89
17	7.87
18	8.25
19	8.11
20	8.49
21	8.24
22	9.78
23	10.41
24	7.67
25	8.01
26	7.78
27	7.82
28	8.25
29	8.49
30	8.19

April 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	0.56									5							
2	0.40									3							
3	0.56									7							
4	0.55	<3.3	<3.3	270	570	2.6	0.16	0.016	0.073	7	2.5	0.011	<1.0	<1.0	<0.005	8.2	93.3
5	0.57									7							
6	0.58									4							
7	0.55									9							
8	0.55									0							
9	0.53									8							
10	0.47									2							
11	0.00									*E							
12	0.17	<3.3	<3.3	320	560	2.7	0.16	<0.010	<0.014	3	2.8	0.004	<1.0	<1.0	<0.001	8.5	98.4
13	0.32									4							
14	0.54									5							
15	0.38									2							
16	0.50									1							
17	0.31									4							
18	0.57	<3.3	3.3	290	2400		0.31	<0.010	<0.048	0	<5.0	<0.024		<1.0	<0.005		
19	0.38									3							
20	0.44									2							
21	0.44									7							
22	0.55									9							
23	0.39									4							
24	0.54									2							
25	0.17	<3.3	31.2	280	2200		0.28	<0.010	<0.014	5	<5.0	<0.007		<1.0	<0.001		
26	0.54									6							
27	0.55									1							
28	0.55									2							

April 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																	
2																	
3																	
4	<0.20	<0.0009	2.0	<1.0	<0.005	<1.0	<0.005	3.7	<100	<1.0	<0.005	<8.0	726	3.330	<0.50	<0.0000023	0.541
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12	<0.20	<0.0003	<1.0	<1.0	<0.001	<1.0	<0.001	3.2	<100	<1.0	<0.001	<8.0	794	1.126	<0.50	<0.0000007	<0.50
13																	
14																	
15																	
16																	
17																	
18	<0.20	<0.0010		<1.0	<0.005	<1.0	<0.005	<1.0	<0.10	<1.0	<0.005		9.8	0.047	<0.50	<0.0000024	<4.0
19																	
20																	
21																	
22																	
23																	
24																	
25	<0.20	<0.0003		<1.0	<0.001	<1.0	<0.001	7.6	<0.10	<1.0	<0.001		12.8	0.018	<0.50	<0.0000007	4.0
26																	
27																	
28																	

April 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																
2																
3																
4	0.0000025	<0.500	<0.0000023	<0.500	<0.0000023	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<25.0	16.8	0.077	110	<1.0
5																
6																
7																
8																
9																
10																
11																
12	<0.0000007	<0.500	<0.0000007	<0.500	<0.0000007	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<25.0	18.5	0.026	112	<1.0
13																
14																
15																
16																
17																
18	<0.00003	<0.500	<0.0000024	<0.500	<0.0000024	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500		<2.0	<0.010	119	<1.0
19																
20																
21																
22																
23																
24																
25	0.00001	<0.500	<0.0000007	<0.500	<0.0000007	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500		<2.0	<0.003	230	<1.0
26																
27																
28																

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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												38.3		yes	7.97	8.34
2												38.4		yes	7.22	8.49
3												37.8		yes	6.85	8.71
4	<0.005	<1.0	101	<10.0	<0.046					128	295	37.7	110	yes	7.46	7.88
5												38.5		yes	7.48	7.78
6												38.8		yes	7.48	8.04
7												38.2		yes	7.58	8.21
8												38.5		yes	7.29	8.30
9												38.4		yes	7.36	7.94
10												38.0		yes	7.39	8.03
11												*E		*E	*E	*E
12	<0.001	<1.0	106	<10.0	<0.014					142	291	38.3	124	yes	6.97	8.70
13												58.8		yes	6.41	8.72
14												57.8		yes	7.01	8.66
15												57.9		yes	6.95	7.48
16												58.0		yes	6.81	7.61
17												58.4		yes	6.26	7.04
18	<0.005	4.1		<10.0	<0.048					166	833	58.1		yes	6.70	7.05
19												58.2		yes	6.65	6.98
20												57.9		yes	6.73	7.08
21												58.3		yes	6.55	7.76
22												38.2		yes	7.07	7.31
23						0	0	0	0			38.9		yes	6.56	7.34
24												58.3		yes	6.48	6.90
25	<0.001	4.6		<10.0	<0.014					172	684	58.8		yes	6.12	6.71
26												57.3		yes	6.55	6.91
27												57.7		yes	6.70	6.91
28												57.1		yes	6.69	6.83

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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	11.22
2	11.10
3	11.16
4	11.16
5	11.21
6	10.62
7	11.04
8	11.14
9	11.08
10	11.02
11	*E
12	11.28
13	8.77
14	8.94
15	7.46
16	8.89
17	7.87
18	8.25
19	8.11
20	8.49
21	8.24
22	9.78
23	10.41
24	7.67
25	8.01
26	7.78
27	7.82
28	8.25