

January 2019
Humboldt Mill WTP Effluent Results - Outfall 002A

1 - EFF															
R - INF															
	Daily	Weekly					2x Month		Weekly		Daily	Weekly			2x M
PARAMETER	Flow	Total Suspended Solids	Total Suspended Solids	Total Dissolved 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	Amendable Cyanide	Amendable Cyanide	Amendable Cyanide	Total Antimony
CODE	50050	00530	00530	70295	70295	70295	00310	00610	00665	00665	50060	01257	01257	01257	01097
Monitoring Point	002A	002A	002A	002A		002A	002A	002A	002A	002A	002A	002A	002A		002A
STAGE	1	1	R	1	1	R	1	1	1	1	1	1	1	R	1
UNIT	MGD	mg/L	mg/L	mg/L	lbs/day	mg/L	mg/L	mg/L	mg/L	lbs/day	ug/L	ug/L	lbs/day	ug/L	ug/L
1	0.82										10				
2	0.89			1000	7423	3000			<0.050	<0.371	2				
3	0.86										8				
4	0.85										4				
5	0.86										0				
6	0.85										7				
7	0.92										7				
8	0.74										4				
9	0.78			930	6050	2700			<0.050	<0.325	2				
10	0.70										0				
11	0.75										3				
12	0.82										3				
13	0.78										3				
14	0.78										0				
15	0.82										2				
16	0.80	<5.0	8	1100	7339	3000	5.5	1.3	<0.050	<0.334	3	<5.0	<0.033	<5.0	<1.0
17	0.81										2				
18	0.88										9				
19	0.88										7				
20	0.85										3				
21	0.81										2				
22	0.84										2				
23	0.84			1100	7706	3000			<0.050	<0.350	2				
24	0.84										0				
25	0.80										2				
26	0.72										5				
27	0.83										7				
28	0.81										7				
29	0.62										5				
30	0.75			1090	6818	3140			<0.050	<0.313	4				
31	0.83										5				
Min	0.623	0.000	8.000	930	6050	2700	5.50	1.30	0.000	0.000	0.0	0.000	0.000	0.000	0.000
Max	0.92	0.000	8.000	1100	7706	3140	5.50	1.30	0.000	0.000	10.0	0.000	0.000	0.000	0.000
Average	0.81	#DIV/0!	8.000	1044	7067	2968	5.50	1.30	#DIV/0!	#DIV/0!	3.9	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

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	onth	Weekly			2x Month				Weekly		2x Month			Weekly			
PARAMETER	Total Antimony	Total Arsenic	Total Arsenic	Total Arsenic	Total Barium	Total Barium	Total Boron	Total Boron	Total Cadmium	Total Cadmium	Total Cadmium	Total Chromium	Total Chromium	Total Cobalt	Total Cobalt	Total Cobalt	Total Copper
CODE	01097	01002	01002	01002	01007	01007	01022	01022	01027	01027	01027	01034	01034	01037	01037	01037	01042
Monitoring Point		002A	002A		002A		002A		002A	002A		002A		002A	002A		002A
STAGE	R	1	1	R	1	R	1	R	1	1	R	1	R	1	1	R	1
UNIT	ug/L	ug/L	lbs/day	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	lbs/day	ug/L	ug/L	ug/L	ug/L	lbs/day	ug/L	ug/L
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16	1.7	<1.0	<0.007	1.5	2.8	16.8	954	1360	<0.20	<0.0013	<0.20	<1.0	4.9	<15.0	<0.10	<15.0	1.6
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
31																	
Min	1.70	0.000	0.000	1.50	2.80	16.8	954	1360	0.000	0.000	0.000	0.000	4.90	0.000	0.000	0.000	1.60
Max	1.70	0.000	0.000	1.50	2.80	16.8	954	1360	0.000	0.000	0.000	0.000	4.90	0.000	0.000	0.000	1.60
Average	1.70	#DIV/0!	#DIV/0!	1.50	2.80	16.8	954	1360	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	4.90	#DIV/0!	#DIV/0!	#DIV/0!	1.60

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1 - EFF																
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		2x Month		Weekly			2x Month									
PARAMETER	Total Copper	Total Copper	Fluoride	Fluoride	Total Lead	Total Lead	Total Lead	Total Lithium	Total Lithium	Total Manganese	Total Manganese	Total Manganese	Total Mercury	Total Mercury	Total Mercury	Total Mercury
CODE	01042	01042	00951	00951	01051	01051	01051	01132	01132	01055	01055	01055	71900	71900	71900	71900
Monitoring Point	002A	002A	002A		002A	002A		002A		002A	002A		002A	002A	002A	002A
STAGE	1	R	1	R	1	1	R	1	R	1	1	R	1	1	R	R
UNIT	lbs/day	ug/L	ug/L	ug/L	ug/L	lbs/day	ug/L	ug/L	ug/L	ug/L	lbs/day	ug/L	ng/L	lbs/day	ng/L	lbs/day
1																
2			<100													
3																
4																
5																
6																
7																
8																
9			<100													
10																
11																
12																
13																
14																
15																
16	0.011	7.6	<100	140	<1.0	<0.007	<1.0	<10.0	<10.0	37.9	0.253	146	<0.50	<0.0000033	<0.51	<0.0000034
17																
18																
19																
20																
21																
22																
23			<100													
24																
25																
26																
27																
28																
29																
30			<100													
31																
Min	0.011	7.60	0.000	140	0.000	0.000	0.000	0.000	0.000	37.9	0.253	146	0.000	0.000	0.000	0.000
Max	0.011	7.60	0.000	140	0.000	0.000	0.000	0.000	0.000	37.9	0.253	146	0.000	0.000	0.000	0.000
Average	0.011	7.60	#DIV/0!	140	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	37.9	0.253	146	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

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1 - EFF													
R - INF													
Weekly											2x Month		
PARAMETER	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 Molybdenum	Total Nickel
CODE	7190a	7190a	7190a	7190a	7190b	7190b	7190c	7190c	7190d	7190d	01062	01062	01067
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A		002A
STAGE	1D	1D	RD	RD	1D	RD	1D	RD	1D	RD	1	R	1
UNIT	ng/L	lbs/day	ng/L	lbs/day	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ug/L	ug/L	ug/L
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16	<0.50	<0.0000033	<0.51	<0.0000034	<0.50	<0.51	<0.50	<0.51	<0.50	<0.51	<5.0	<5.0	5.3
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
Min	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.30
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.30
Average	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	5.30

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1 - EFF																
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PARAMETER	Weekly					2x Month		Weekly			Monthly				Weekly	
	Total Nickel	Total Nickel	Total Selenium	Total Selenium	Total Selenium	Total Strontium	Total Strontium	Total Zinc	Total Zinc	Total Zinc	Acute Toxicity (ceriodaphnia dubia)	Acute Toxicity (fathead minnow)	Chronic Toxicity (fathead minnow)	Chronic Toxicity (ceriodaphnia dubia)	Sulfate	Sulfate
CODE	01067	01067	01147	01147	01147	01082	01082	01092	01092	01092	61425	TS16C	TTK6C	03599	00945	00945
Monitoring Point	002A	002A	002A	002A	002A	002A		002A	002A		001A	001A	001A	001A	002A	002A
STAGE	1	R	1	1	R	1	R	1	1	R	1	1	1	1	1	R
UNIT	lbs/day	ug/L	ug/L	lbs/day	ug/L	ug/L	ug/L	ug/L	lbs/day	ug/L	TUA	TUA	TUC	TUC	mg/L	mg/L
1																
2															607	
3																
4																
5																
6																
7																
8																
9															529	
10																
11																
12																
13																
14																
15																
16	0.035	217	<1.0	<0.007	3.4	91.1	326	<10.0	<0.067	<10.0				529	1780	
17											0	0	0	1.3		
18																
19																
20																
21																
22																
23															529	
24																
25																
26																
27																
28																
29																
30															671	
31																
Min	0.035	217	0.000	0.000	3.40	91.1	326	0.000	0.000	0.000	0.000	0.000	0.000	1.30	529	1780
Max	0.035	217	0.000	0.000	3.40	91.1	326	0.000	0.000	0.000	0.000	0.000	0.000	1.30	671	1780
Average	0.035	217	#DIV/0!	#DIV/0!	3.40	91.1	326	#DIV/0!	#DIV/0!	#DIV/0!	0.000	0.000	0.000	1.30	573	1780

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1 - EFF						
R - INF						
	Daily	Monthly	Daily			
PARAMETER	Temperature (F)	Total Hardness	Outfall Observations	pH Minimum	pH Maximum	Dissolved Oxygen
CODE	00011	00900	84130	00400	00400	00300
Monitoring Point	002A	002A	002A	002A	002A	002A
STAGE	1	1	1	1	1	1
UNIT	F	mg/L	yes/no	S.U.	S.U.	mg/L
1	59.7		yes	7.27	8.70	8.87
2	59.9		yes	6.68	7.65	8.70
3	59.9		yes	6.96	7.78	8.47
4	59.6		yes	7.04	8.21	7.88
5	59.5		yes	7.10	8.56	7.65
6	59.5		yes	7.36	8.56	7.78
7	59.3		yes	7.69	8.16	8.03
8	59.2		yes	7.64	8.78	8.98
9	59.7		yes	7.31	8.05	9.21
10	59.1		yes	6.91	7.56	9.04
11	59.1		yes	7.24	7.72	8.85
12	59.3		yes	7.36	7.73	8.94
13	59.4		yes	7.40	7.53	9.08
14	59.1		yes	7.34	7.53	9.30
15	59.2		yes	7.27	8.30	8.96
16	59.4	97.8	yes	7.34	8.34	8.92
17	59.1		yes	7.44	8.20	9.06
18	59.4		yes	7.64	7.78	7.89
19	59.2		yes	7.60	8.57	9.04
20	59.4		yes	7.16	8.82	8.45
21	59.0		yes	7.50	8.05	8.17
22	59.1		yes	7.41	8.02	8.79
23	59.3		yes	7.27	8.29	8.43
24	59.0		yes	6.83	8.46	8.46
25	59.0		yes	6.78	8.10	7.51
26	59.0		yes	7.50	8.13	8.78
27	59.1		yes	6.55	8.21	8.17
28	59.0		yes	7.52	8.17	8.57
29	59.0		yes	7.34	8.11	8.15
30	59.0		yes	6.87	8.24	8.91
31	59.0		yes	7.37	8.80	9.27
Min	59.0	97.8	0.000	6.55	7.53	7.51
Max	59.9	97.8	0.000	7.69	8.82	9.30
Average	59.3	97.8	#DIV/0!	7.25	8.16	8.59