

November 2018  
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	00310	00610	00665	00665	50060	01257	01257		01097
Monitoring Point	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
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	0.228										6				
2	0.648										9				
3	0.618										3				
4	0.694										5				
5	0.693										2				
6	0.653										4				
7	0.674	<3.3	11.9	558	3137	3000	11.6	0.47	<0.010	<0.056	1	<5.0	<0.028	5	<2.0
8	0.609										3				
9	0.744										3				
10	0.626										4				
11	0.639										10				
12	0.545										1				
13	0.718										5				
14	0.666			1100	6110	3000			0.013	0.072	4				
15	0.542										11				
16	0.627										3				
17	0.438										3				
18	0.713										4				
19	0.552										7				
20	0.516			720	3098	3000			0.035	0.151	10				
21	0.588										10				
22	0.572										10				
23	0.618										1				
24	0.552										2				
25	0.685										2				
26	0.658										2				
27	0.355										3				
28	0.670			670	3744	2900			0.010	0.056	4				
29	0.699										2				
30	0.682										3				

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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		01002	01002		01007		01022		01027	01027		01034		01037	01037		01042
Monitoring Point		002A	002A		002A		002A		002A	002A		002A		002A	002A		002A
STAGE		1	1		1		1		1	1		1		1	1		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	<2.0	<1.0	<0.006	1.3	1.6	17.6	910	1470	<0.20	<0.0011	<0.20	<1.0	3.9	<1.0	<0.006	3.3	<1.0
8																	
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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		01051	01051		01132		01055	01055		71900	71900	71900	71900
Monitoring Point	002A	002A	002A		002A	002A		002A		002A	002A		002A	002A	002A	002A
STAGE	1	R	1		1	1		1		1	1		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																
3																
4																
5																
6																
7	<0.006	3.3	<100	160	<1.0	<0.006	<1.0	<8.0	<8.0	16.8	0.094	199	<0.50	<0.0000028	<2.6	<0.0000146
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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		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		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	<0.50	<0.0000028	<2.6	<0.0000146	<0.50	<2.6	<0.50	<2.6	<0.50	<2.6	<25.0	<25.0	<2.0
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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		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		1	1		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																
3																
4																
5																
6																
7	<0.011	188	<2.0	<0.011	3.8	39.7	348	<10.0	<0.056	<10.0				242	1450	
8																
9																
10																
11																
12																
13																
14																
15											0	0	0	2.6		
16																
17																
18																
19																
20																
21																
22																
23																
24																
25																
26																
27																
28																
29											0	0	0	0		
30																

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1 - EFF					
R - INF					
	Daily	Daily			
PARAMETER	Temperature (F)	Outfall Observations	pH Minimum	pH Maximum	Dissolved Oxygen
CODE	00011	84130	00400	00400	00300
Monitoring Point	002A	002A	002A	002A	002A
STAGE	1	1	1	1	1
UNIT	F	yes/no	S.U.	S.U.	mg/L
1	63.1	yes	6.66	8.80	8.38
2	61.8	yes	6.57	8.80	8.47
3	61.6	yes	6.19	8.18	8.46
4	61.7	yes	6.20	7.95	8.46
5	62.8	yes	7.04	8.66	8.11
6	62.8	yes	7.54	8.41	8.42
7	63.1	yes	6.60	8.81	9.80
8	61.9	yes	6.66	8.58	7.92
9	61.6	yes	6.71	8.58	8.41
10	61.4	yes	6.46	8.79	8.70
11	61.1	yes	6.71	8.80	7.9
12	61.7	yes	6.78	8.61	8.94
13	61.0	yes	6.73	8.80	8.88
14	60.4	yes	6.99	8.79	8.77
15	60.8	yes	6.55	8.72	8.57
16	60.0	yes	6.78	8.22	8.19
17	60.8	yes	7.13	8.54	8.35
18	60.9	yes	6.63	8.00	8.33
19	61.5	yes	7.57	8.02	8.32
20	61.6	yes	6.97	8.02	7.59
21	61.8	yes	6.69	7.02	7.26
22	61.6	yes	6.67	7.35	7.45
23	61.2	yes	6.88	8.22	8.78
24	61.3	yes	6.55	8.54	8.54
25	60.8	yes	6.50	6.75	8.06
26	61.4	yes	6.36	6.90	8.18
27	61.4	yes	6.20	7.51	8.42
28	61.2	yes	6.95	7.41	8.67
29	61.0	yes	6.89	7.35	8.49
30	61.1	yes	7.19	7.31	8.54