

December 2018
Humboldt Mill WTP Effluent Results - Outfall 004

1 - EFF																				
R - INF																				
	Daily	Weekly					2x Month		Weekly		Daily	Weekly			2x Month		Weekly			
LIMIT	-	30 mg/L	-	750 mg/L	-	-	-	-	-	-	38 ug/L	-	-	-	-	-	-	-	-	-
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	Total Antimony	Total Arsenic	Total Arsenic	Total Arsenic	Total Barium
CODE	50050	00530	00530	70295	70295	70295	00310	00610	00665	00665	50060	01257	01257	01257	01097	01097	01002	01002	01002	01007
Monitoring Point	002A	002A	002A	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	R	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	ug/L	lbs/day	ug/L	ug/L	ug/L
1	0.665										6									
2	0.668										6									
3	0.657										5									
4	0.578										4									
5	0.556			660	3060	2900			0.110	0.510	10									
6	0.546										5									
7	0.403										6									
8	0.601										2									
9	0.666										7									
10	0.689										3									
11	0.854										3									
12	0.805	<3.3	8.8	720	4834	2900	7.2	0.75	0.015	0.101	2	<5.0	<0.034	<5.0	<2.0	<2.0	<1.0	<0.007	1.3	2.2
13	0.876										2									
14	0.547										1									
15	0.847										0									
16	0.703										3									
17	0.650										9									
18	0.757										1									
19	0.890			700	5196	2900			<0.050	<0.371	1									
20	0.933										1									
21	0.880										1									
22	0.805										2									
23	0.736										4									
24	0.836										4									
25	0.645										12									
26	0.586			1000	4887	3000			<0.050	<0.244	10									
27	0.770										0									
28	0.867										9									
29	0.772										8									
30	0.909										4									
31	0.859										4									

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LIMIT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PARAMETER	Total Barium	Total Boron	Total Boron	Total Cadmium	Total Cadmium	Total Cadmium	Total Chromium	Total Chromium	Total Cobalt	Total Cobalt	Total Cobalt	Total Copper	Total Copper	Total Copper	Fluoride	Fluoride	Total Lead	Total Lead	Total Lead	Total Lithium	Total Lithium	Total Manganese
CODE	01007	01022	01022	01027	01027	01027	01034	01034	01037	01037	01037	01042	01042	01042	00951	00951	01051	01051	01051	01132	01132	01055
Monitoring Point		002A		002A	002A		002A		002A	002A		002A	002A	002A	002A		002A	002A		002A		002A
STAGE	R	1	R	1	1	R	1	R	1	1	R	1	1	R	1	R	1	1	R	1	R	1
UNIT	ug/L	ug/L	ug/L	ug/L	lbs/day	ug/L	ug/L	ug/L	ug/L	lbs/day	ug/L	ug/L	lbs/day	ug/L	ug/L	ug/L	lbs/day	ug/L	ug/L	ug/L	ug/L	ug/L
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12	17.6	742	1240	<0.20	<0.0013	<0.20	<1.0	4.5	<1.0	<0.007	3.2	1.2	<0.008	2.8	<100	150	<1.0	<0.007	<1.0	<8.0	<8.0	50.2
13															<100							
14																						
15																						
16																						
17																						
18																						
19															<100							
20																						
21																						
22																						
23																						
24																						
25																						
26															<100							
27																						
28																						
29																						
30																						
31																						

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Weekly																
LIMIT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PARAMETER	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)	Mercury (field blank)	Mercury (laboratory method blank)	Mercury (laboratory method blank)
CODE	01055	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	R	1	1	R	R	1D	1D	RD	RD	1D	RD	1D	RD	1D	RD
UNIT	lbs/day	ug/L	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																
5																
6																
7																
8																
9																
10																
11																
12	0.337	262	<0.50	<0.0000034	<2.6	<0.000017	<0.50	<0.0000034	<2.6	<0.000017	<0.50	<2.6	<0.50	<2.6	<0.50	<2.6
13																
14																
15																
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	2x Month		Weekly						2x Month		Weekly			Monthly				Weekly	
LIMIT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PARAMETER	Total Molybdenum	Total Molybdenum	Total Nickel	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	01062	01062	01067	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		002A	002A		001A	001A	001A	001A	002A	002A
STAGE	1	R	1	1	R	1	1	R	1	R	1	1	R	1	1	1	1	1	R
UNIT	ug/L	ug/L	ug/L	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																			
8																			
9																			
10																			
11																			
12	<25.0	<25.0	8.2	0.055	210	<2.0	<0.013	2.4	65.8	325	<10.0	<0.067	<10.0					386	1430
13														0	0	0	0	360	
14																			
15																			
16																			
17																			
18																			
19																		546	
20																			
21																			
22																			
23																			
24																			
25																			
26																		590	
27																			
28																			
29																			
30																			
31																			

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R - INF						
	Daily	Monthly	Daily			
LIMIT	-	-	yes/no	6.0	9.0	4.0 mg/L
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	62.0		yes	7.17	7.45	8.88
2	61.2		yes	7.40	7.53	8.05
3	61.5		yes	6.96	7.34	7.55
4	61.2		yes	6.94	8.80	7.27
5	61.3		yes	7.05	7.44	7.68
6	61.4		yes	7.15	8.09	7.99
7	61.3		yes	7.20	8.80	9.36
8	61.2		yes	7.01	8.37	9.85
9	61.1		yes	6.93	8.51	7.86
10	60.9		yes	6.96	8.51	8.93
11	61.3		yes	6.79	7.95	8.13
12	61.3		yes	6.93	7.71	8.82
13	61.2		yes	6.93	7.41	8.80
14	61.2		yes	6.76	8.31	8.81
15	61.0		yes	6.86	8.61	8.82
16	59.8		yes	6.20	7.11	8.81
17	60.8		yes	6.96	8.80	8.42
18	61.2		yes	6.90	7.83	8.37
19	60.9		yes	6.74	8.13	8.41
20	61.2		yes	7.00	7.58	8.56
21	61.2		yes	7.08	8.56	7.7
22	59.8		yes	7.09	7.61	8.023
23	59.5		yes	6.81	8.55	8.16
24	59.4		yes	6.89	8.63	8.36
25	59.9		yes	6.57	8.65	8.16
26	61.2		yes	6.84	8.65	9.17
27	60.2		yes	6.78	8.63	8.5
28	60.1		yes	7.25	8.11	9.3
29	60.3		yes	7.14	7.81	8.49
30	61.0		yes	7.28	8.47	8.77
31	60.1		yes	7.10	8.46	8.53