

February 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	0.78										3				
2	0.88										4				
3	0.89										0				
4	0.87										0				
5	0.89										1				
6	0.90			1070	8031	3010			<0.050	<0.375	8				
7	0.87										4				
8	0.82										3				
9	0.85										4				
10	0.81										4				
11	0.80										6				
12	0.87										4				
13	0.82	<5.0	15	1140	7796		19.8	1.4	<0.050	<0.342	3	<5.0	<0.034	<5.0	<1.0
14	0.78										4				
15	0.77										0				
16	0.74										2				
17	0.71										3				
18	0.66										8				
19	0.70										1				
20	0.79										7				
21	0.84			742	5198	3260			<0.050	<0.350	7				
22	0.75										2				
23	0.73										2				
24	0.72										2				
25	0.72	<5.0		685	4113			0.93	<0.050	<0.300	3	<5.0	<0.030		<1.0
26	0.62										2				
27	0.85										2				
28	0.11										2				
Min	0.113	0.000	15	685	4113	3010	19.8	0.93	0.000	0.000	0	0.000	0.000	0.000	0.000
Max	0.90	0.000	15	1140	8031	3260	19.8	1.40	0.000	0.000	8	0.000	0.000	0.000	0.000
Average	0.77	#DIV/0!	15	909	6285	3135	19.8	1.17	#DIV/0!	#DIV/0!	3	#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	2.3	<1.0	<0.007	1.9	3.0	19.4	922	1320	<0.20	<0.0014	<0.20	<1.0	17.4	<15.0	<0.103	<15.0	2.5
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	
25		<1.0	<0.006		1.7		842		<0.20	<0.0012		<1.0		<15.0	<0.090		1.3
26																	
27																	
28																	
Min	2.30	0.000	0.000	1.90	1.7	19	842	1320	0.000	0.000	0.000	0.000	17.4	0.000	0.000	0.000	1.3
Max	2.30	0.000	0.000	1.90	3.0	19	922	1320	0.000	0.000	0.000	0.000	17.4	0.000	0.000	0.000	2.5
Average	2.30	#DIV/0!	#DIV/0!	1.90	2.4	19	882	1320	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	17.4	#DIV/0!	#DIV/0!	#DIV/0!	1.9

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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																
3																
4																
5																
6			<100													
7																
8																
9																
10																
11																
12																
13	0.071	29.6	<100	150	<1.0	<0.007	<1.0	<10.0	<10.0	54.8	0.375	198	<0.50	<0.0000034	1.72	0.00012
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																
25	0.008		<100		<1.0	<0.006		<10.0		45.4	0.273					
26																
27																
28																
Min	0.01	29.60	0.000	150	0.000	0.000	0.000	0.000	0.000	45.4	0.273	198	0.000	0.000	1.720	0.000
Max	0.07	29.60	0.000	150	0.000	0.000	0.000	0.000	0.000	54.8	0.375	198	0.000	0.000	1.720	0.000
Average	0.04	29.60	#DIV/0!	150	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	50.1	0.324	198	#DIV/0!	#DIV/0!	1.720	0.000

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1 - EFF														
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Weekly									2x Month		Weekly			
PARAMETER	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	Total Nickel	Total Nickel	Total Selenium
CODE	7190a	7190a	7190b	7190b	7190c	7190c	7190d	7190d	01062	01062	01067	01067	01067	01147
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A		002A	002A	002A	002A
STAGE	1D	RD	1D	RD	1D	RD	1D	RD	1	R	1	1	R	1
UNIT	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/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	<0.50	1.72	<0.50	1.72	<0.50	1.72	<0.50	1.72	<5.0	5.3	14.4	0.098	439	<1.0
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25									<5.0		14.9	0.089		<1.0
26														
27														
28														
Min	0.000	1.720	0.000	1.720	0.000	1.720	0.000	1.720	0.000	5.300	14.40	0.089	439	0.000
Max	0.000	1.720	0.000	1.720	0.000	1.720	0.000	1.720	0.000	5.300	14.90	0.098	439	0.000
Average	#DIV/0!	1.720	#DIV/0!	1.720	#DIV/0!	1.720	#DIV/0!	1.720	#DIV/0!	5.300	14.65	0.094	439	#DIV/0!

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		2x Month		Weekly			Monthly				Weekly		Daily	Daily		
PARAMETER	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	Temperature (F)	Outfall Observations	pH Minimum
CODE	01147	01147	01082	01082	01092	01092	01092	61425	TS16C	TTK6C	03599	00945	00945	00011	84130	00400
Monitoring Point	002A	002A	002A		002A	002A		001A	001A	001A	001A	002A	002A	002A	002A	002A
STAGE	1	R	1	R	1	1	R	1	1	1	1	1	R	1	1	1
UNIT	lbs/day	ug/L	ug/L	ug/L	ug/L	lbs/day	ug/L	TUA	TUA	TUC	TUC	mg/L	mg/L	F	yes/no	S.U.
1														58.9	yes	6.50
2														59.1	yes	6.60
3														59.3	yes	7.33
4														59.1	yes	6.80
5														59.1	yes	6.49
6												808		59.3	yes	7.26
7														59.2	yes	7.11
8														59.5	yes	7.17
9														59.4	yes	7.07
10														59.2	yes	7.09
11														59.1	yes	7.11
12														59.5	yes	7.19
13	<0.007	3.6	111	369	<10.0	<0.068	<10.0					672	1390	59.8	yes	6.79
14														59.5	yes	6.87
15														59.8	yes	7.27
16								0	0	0	2.6			59.7	yes	6.80
17														59.3	yes	7.16
18														59.5	yes	7.01
19														59.8	yes	7.10
20														59.1	yes	6.81
21														59.9	yes	7.03
22														60.0	yes	6.49
23														60.1	yes	7.41
24														60.1	yes	7.57
25	<0.006		65.1		<10.0	<0.060						454		59.8	yes	7.17
26														59.8	yes	6.46
27														60.0	yes	6.79
28														59.8	yes	7.52
Min	0.000	3.60	65.1	369	0.000	0.000	0.000	0.000	0.000	0.000	2.60	454	1390	58.9	0.000	6.46
Max	0.000	3.60	111.0	369	0.000	0.000	0.000	0.000	0.000	0.000	2.60	808	1390	60.1	0.000	7.57
Average	#DIV/0!	3.60	88.1	369	#DIV/0!	#DIV/0!	#DIV/0!	0.000	0.000	0.000	2.60	645	1390	59.5	#DIV/0!	7.00

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1 - EFF		
R - INF		
/		
PARAMETER	pH Maximum	Dissolved Oxygen
CODE	00400	00300
Monitoring Point	002A	002A
STAGE	1	1
UNIT	S.U.	mg/L
1	8.00	9.29
2	7.77	9.06
3	8.80	9.17
4	8.73	8.69
5	7.68	8.18
6	7.80	8.05
7	7.59	8.52
8	7.56	7.51
9	7.48	8.40
10	7.40	8.95
11	7.34	8.44
12	7.49	8.78
13	8.41	9.27
14	8.14	9.16
15	8.10	8.87
16	8.41	9.01
17	7.85	9.01
18	7.49	9.51
19	8.19	8.20
20	8.04	9.29
21	7.56	9.17
22	8.80	9.27
23	8.48	9.05
24	8.54	9.16
25	8.61	9.41
26	8.69	9.35
27	8.53	9.44
28	8.09	8.98
Min	7.34	7.51
Max	8.80	9.51
Average	8.06	8.90