

March 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	0.46										3				
2	0.73										2				
3	0.75										3				
4	0.60										2				
5	0.69										4				
6	0.66			674	3710	3220			<0.050	<0.275	4				
7	0.61										4				
8	0.69										4				
9	0.81										2				
10	0.85										6				
11	0.35										13				
12	*E										*E				
13	0.54										3				
14	0.86										4				
15	0.80			709	4730	3290			<0.050	<0.334	2				
16	0.88										2				
17	0.78										3				
18	0.77	<5.0		737	4733			0.93	<0.050	<0.321	2				<1.0
19	0.60										0				
20	0.43	<5.0	16	714	2561			0.92	<0.050	<0.179	2	<5.0	<0.018	<5.0	<1.0
21	0.64	<5.0		840	4484		7.8	0.89	<0.050	<0.267	3	<5.0	<0.027		<1.0
22	0.72	5.0		753	4522			0.99	<0.050	<0.300	3	<5.0	<0.030		<1.0
23	0.72										7				
24	0.82										8				
25	0.73										2				
26	0.64										7				
27	0.61			712	3622	3320			<0.050	<0.254	4				
28	0.53										5				
29	0.63										1				
30	0.65										2				
31	0.82										5				
Min	0.35	5.000	16	674	2561	3220	7.80	0.89	0.000	0.000	0	0.000	0.000	0.000	0.000
Max	0.88	5.000	16	840	4733	3320	7.80	0.99	0.000	0.000	13	0.000	0.000	0.000	0.000
Average	0.68	5.000	16	734	4052	3277	7.8	0.93	#DIV/0!	#DIV/0!	4	#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																	
17																	
18		<1.0	<0.006		1.9		845		<0.20	<0.0013		<1.0		<15.0	<0.096		1.7
19																	
20	2.3	<1.0	<0.004	1.7	1.5	16.9	757	1310	<0.20	<0.0007	<0.20	<1.0	9.2	<15.0	<0.054	<15.0	3.0
21		<1.0	<0.005		1.6		741		<0.20	<0.0011		<1.0		<15.0	<0.080		1.7
22		<1.0	<0.006		1.3		707		<0.20	<0.0012		<1.0		<15.0	<0.090		1.6
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
31																	
Min	2.30	0.000	0.000	1.70	1.3	17	707	1310	0.000	0.000	0.000	0.000	9.2	0.000	0.000	0.000	1.6
Max	2.30	0.000	0.000	1.70	1.9	17	845	1310	0.000	0.000	0.000	0.000	9.2	0.000	0.000	0.000	3.0
Average	2.30	#DIV/0!	#DIV/0!	1.70	1.6	17	763	1310	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	9.2	#DIV/0!	#DIV/0!	#DIV/0!	2.0

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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																
14																
15			<100													
16																
17																
18	0.011		<100		<1.0	<0.006		<10.0		62.9	0.404					
19																
20	0.011	19.5	<100	140	<1.0	<0.004	<1.0	<10.0	<10.0	51.6	0.185	250	<0.50	<0.0000018	<1.3	<0.0000047
21	0.009		<100		<1.0	<0.005		<10.0		51.9	0.277					
22	0.010		<100		<1.0	<0.006		<10.0		39.3	0.236					
23																
24																
25																
26																
27			<100													
28																
29																
30																
31																
Min	0.01	19.50	0.000	140	0.000	0.000	0.000	0.000	0.000	39.3	0.185	250	0.000	0.000	0.000	0.000
Max	0.01	19.50	0.000	140	0.000	0.000	0.000	0.000	0.000	62.9	0.404	250	0.000	0.000	0.000	0.000
Average	0.01	19.50	#DIV/0!	140	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	51.4	0.276	250	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

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1 - EFF														
R - INF														
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														
14														
15														
16														
17														
18									<5.0		24.6	0.158		<1.0
19														
20	<0.50	<1.3	<0.50	<1.3	<0.50	<1.3	<0.50	<1.3	<5.0	5.2	18.4	0.066	446	<1.0
21									<5.0		12.5	0.067		<1.0
22									<5.0		10	0.060		<1.0
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	5.20	10.00	0.06	446.00	0.00
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.20	24.6	0.16	446	0.00
Average	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	5.200	16.4	0.09	446	#DIV/0!

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1 - EFF																
R - INF																
		2x Month		Weekly			Monthly				Weekly		Daily	Monthly		
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)	Total Hardness	Outfall Observations
CODE	01147	01147	01082	01082	01092	01092	01092	61425	TS16C	TTK6C	03599	00945	00945	00011	00900	84130
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	mg/L	yes/no
1														60.0		yes
2														59.9		yes
3														59.8		yes
4														60.0		yes
5														59.9		yes
6												464		59.8		yes
7														60.1		yes
8														59.8		yes
9														59.9		yes
10														59.5		yes
11														60.2		yes
12														*E		*E
13														59.9		yes
14														60.1		yes
15												488		60.4		yes
16														60.2		yes
17														60.0		yes
18	<0.006		65.4		<10.0	<0.064						503		59.9	68.8	yes
19														59.8		yes
20	<0.004	2.9	65.1	364	<10.0	<0.036	<10.0					487	1400	59.9	66.7	yes
21	<0.005		65.5		<10.0	<0.053						474		59.8	66.1	yes
22	<0.006		60.4		<10.0	<0.060		0	0	0	1.7	555		59.9	66.6	yes
23														59.9		yes
24														59.5		yes
25														59.8		yes
26														59.8		yes
27												508		60.0		yes
28														59.8		yes
29														60.0		yes
30														59.9		yes
31														59.9		yes
Min	0.00	2.90	60.4	364.0	0.000	0.000	0.000	0.000	0.000	0.000	1.70	464	1400.00	59.5	66.1	
Max	0.00	2.90	65.5	364.0	0.000	0.000	0.000	0.000	0.000	0.000	1.70	555	1400.00	60.4	68.8	
Average	#DIV/0!	2.90	64.1	364.0	#DIV/0!	#DIV/0!	#DIV/0!	0.000	0.000	0.000	1.70	497	1400	59.9	67.1	

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1 - EFF			
R - INF			
Daily			
PARAMETER	pH Minimum	pH Maximum	Dissolved Oxygen
CODE	00400	00400	00300
Monitoring Point	002A	002A	002A
STAGE	1	1	1
UNIT	S.U.	S.U.	mg/L
1	6.56	8.80	9.01
2	7.17	8.35	8.97
3	7.21	8.37	9.12
4	7.25	8.71	9.54
5	7.15	8.24	9.39
6	7.13	8.25	9.07
7	6.34	8.76	9.35
8	6.55	8.09	9.22
9	7.27	8.10	9.22
10	7.10	8.10	9.31
11	6.96	7.95	9.02
12	*E	*E	*E
13	6.95	8.56	8.70
14	7.30	8.30	9.23
15	6.60	8.80	8.59
16	6.57	7.73	8.79
17	6.63	7.44	9.56
18	6.93	7.29	8.34
19	6.99	7.43	10.00
20	6.74	8.13	9.39
21	6.99	7.17	9.42
22	6.88	7.45	9.31
23	6.99	8.20	8.39
24	7.04	8.18	8.57
25	6.86	8.72	9.34
26	6.96	8.57	8.99
27	7.12	7.90	9.41
28	6.88	7.81	9.17
29	6.72	7.55	9.38
30	6.66	8.04	9.01
31	7.44	7.89	8.23
Min	6.34	7.17	8.23
Max	7.44	8.80	10.00
Average	6.93	8.10	9.10