

May 2019
Humboldt Mill WTP Effluent Results - Outfall 002A

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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	0.70										4				
2	0.88			728	5343	3460			<0.050	<0.367	3				
3	0.96										6				
4	1.19										4				
5	1.06										4				
6	1.04										4				
7	1.11										2				
8	1.10			757	6945	3620			<0.050	<0.459	1				
9	1.15										11				
10	1.13										18				
11	1.14										4				
12	1.16										4				
13	1.11	<5.0		713	6601			0.82	<0.050	<0.463	4	<5.0	<0.046		<1.0
14	0.95										4				
15	0.99	<5.0	26	756	6242		16.6	0.85	<0.050	<0.413	0	<5.0	<0.041	<5.0	<1.0
16	0.83	<5.0		739	5116			0.78	<0.050	<0.346	4	<5.0	<0.035		<1.0
17	0.96										4				
18	1.15										6				
19	1.12										9				
20	1.16										8				
21	1.10										6				
22	0.94			768	6021	3630			<0.050	<0.392	4				
23	1.03										6				
24	1.06										0				
25	1.11										0				
26	1.11										4				
27	1.13										7				
28	1.12										0				
29	1.09			773	7027	3610			<0.050	<0.455	3				
30	0.99										5				
31	1.14										6				

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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		<1.0	<0.009		2.1		958		<0.20	<0.002		<1.0		<15.0	<0.139		1.1
14																	
15	3.8	<1.0	<0.008	2.3	1.8	17.2	1020	1480	<0.20	<0.002	<0.20	<1.0	2.2	<15.0	<0.124	<15.0	1.5
16		<1.0	<0.007		1.8		1050		<0.20	<0.001		<1.0		<15.0	<0.104		1.2
17																	
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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																
7																
8																
9																
10																
11																
12																
13	0.010		<100		<1.0	<0.009		<10.0		40.8	0.378					
14																
15	0.012	3.7	<100	170	<1.0	<0.008	<1.0	<10.0	<10.0	46.0	0.380	285	<0.50	<0.0000004	<1.4	<0.000012
16	0.008		<100		<1.0	<0.007		<10.0		39.1	0.271					
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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									<5.0		6.4	0.059		1.2
14														
15	<0.50	<1.4	<0.50	<1.4	<0.50	<1.4	<0.50	<1.4	<5.0	6.6	7.7	0.064	158	<1.0
16									<5.0		5.4	0.037		<1.0
17														
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		2x Month		Weekly			Monthly				Weekly		Daily	Da		
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														59.8	yes	6.71
2														60.2	yes	6.69
3														60.3	yes	6.77
4														60.4	yes	6.69
5														60.5	yes	6.59
6														60.3	yes	6.58
7														55.9	yes	6.79
8														56.0	yes	6.56
9														57.0	yes	6.63
10														59.0	yes	6.60
11														59.5	yes	6.59
12														58.90	yes	6.54
13	0.011		62.7		<10.0	<0.093						391		58.2	yes	6.72
14														59.8	yes	6.71
15	<0.008	3.1	63.9	393	<10.0	<0.083	<10.0					333	1950	59.8	yes	6.79
16	<0.007		62.0		<10.0	<0.069		0	0	0	0	363		60.4	yes	6.68
17														59.9	yes	6.60
18														60.3	yes	6.58
19														60.1	yes	6.57
20														60.7	yes	6.63
21														60.8	yes	6.71
22														60.4	yes	6.58
23														60.0	yes	6.94
24														60.0	yes	6.99
25														60.1	yes	7.04
26														61.0	yes	6.90
27														62.1	yes	6.99
28														61.5	yes	6.88
29														62.0	yes	7.15
30														66.0	yes	6.74
31														64.0	yes	7.00

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PARAMETER	pH Maximum	Dissolved Oxygen
CODE	00400	00300
Monitoring Point	002A	002A
STAGE	1	1
UNIT	S.U.	mg/L
1	8.47	9.56
2	8.72	8.93
3	8.10	8.79
4	8.72	8.46
5	8.34	9.26
6	8.47	9.69
7	8.73	9.93
8	8.18	9.65
9	8.01	8.21
10	8.11	8.83
11	8.17	8.68
12	7.60	8.68
13	8.30	8.96
14	8.01	8.68
15	7.28	9.51
16	7.36	9.44
17	7.35	9.04
18	7.57	8.57
19	7.57	8.82
20	7.27	8.24
21	7.61	8.82
22	7.87	9.22
23	7.78	9.32
24	8.09	9.19
25	7.82	9.09
26	7.85	8.86
27	8.00	8.86
28	7.67	8.30
29	7.72	8.40
30	7.65	7.95
31	7.15	8.16