

July 2019  
Humboldt Mill WTP Effluent Results - Outfall 004

PARAMETER	Daily	Weekly					2x Month		Weekly		Daily	Weekly		
	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
CODE	50050	00530	00530	70295	70295	70295	00310	00610	00665	00665	50060	01257	01257	01257
Monitoring Point	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
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
1	1.04										2			
2	1.02			866	7367	3700			<0.050	<0.425	5			
3	1.09										3			
4	1.11										0			
5	0.66										14			
6	1.12										3			
7	1.16										4			
8	0.99										7			
9	1.03										6			
10	1.01			854	7194	3800			<0.050	<0.421	10			
11	1.09										8			
12	1.09										0			
13	1.12										3			
14	1.11										8			
15	1.15	<5.0		776	7443			0.87	<0.050	<0.480	5	<0.0050	<0.048	
16	1.06										1			
17	1.04	<5.0	12	789	6843	3760		0.84	<0.050	<0.434	5	<0.0050	<0.043	<0.005
18	0.96	<5.0		731	5853	3390		0.84	<0.050	<0.400	5	<0.0050	<0.040	
19	1.01										4			
20	1.11										5			
21	1.15										6			
22	1.08						9.7				8			
23	1.03										6			
24	1.19		1.4	794	7880	3760			<0.050	<0.496	8			
25	1.01		0								18			
26	1.09										6			
27	1.08										5			
28	1.08										2			
29	1.04										3			
30	1.02										10			

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PARAMETER	2x Month		Weekly			2x Month				Weekly		2x Month				
	Total Antimony	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
CODE	01097	01097	01002	01002	01002	01007	01007	01022	01022	01027	01027	01027	01034	01034	01037	01037
Monitoring Point	002A		002A	002A		002A		002A		002A	002A		002A		002A	002A
STAGE	1	R	1	1	R	1	R	1	R	1	1	R	1	R	1	1
UNIT	ug/L	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
1																
2															<15.0	<0.128
3																
4																
5																
6																
7																
8																
9																
10															<15.0	<0.126
11																
12																
13																
14																
15	<1.0		<1.0	<0.010		1.8		941		<0.20	<0.002		<1.0		<15.0	<0.144
16																
17	<1.0	4.4	<1.0	<0.009	2.8	2.0	20.8	1030	1730	<0.20	<0.002	<0.20	<1.0	4.5	<15.0	<0.130
18	<1.0		<1.0	<0.008		1.8		1300		<0.20	<0.002		<1.0		<15.0	<0.120
19	<1.0	3.7	<1.0	<0.008	2.4	1.9	21.3	1120	1580	<0.20	<0.002	<0.20	<1.0	27.3	<15.0	<0.126
20																
21																
22																
23																
24		0			0		19.8		247			0		0		
25		0			0		19.9		254			0		0		
26																
27																
28																
29																
30																

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PARAMETER	Weekly				2x Month		Weekly			2x Month		Total Manganese	Total Manganese	Total Manganese	Total Mercury	Total Mercury
	Total Cobalt	Total Copper	Total Copper	Total Copper	Fluoride	Fluoride	Total Lead	Total Lead	Total Lead	Total Lithium	Total Lithium					
CODE	01037	01042	01042	01042	00951	00951	01051	01051	01051	01132	01132	01055	01055	01055	71900	71900
Monitoring Point		002A	002A	002A	002A		002A	002A		002A		002A	002A		002A	002A
STAGE	R	1	1	R	1	R	1	1	R	1	R	1	1	R	1	1
UNIT	ug/L	ug/L	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
1																
2		1.9	0.016							<10.0		67.8	0.577			
3																
4																
5																
6																
7																
8																
9																
10		1.7	0.014							<10.0		29.4	0.248			
11																
12																
13																
14																
15		4.0	0.038		<0.10		<1.0	<0.010		<10.0		10.6	0.102			
16																
17	<15.0	2.7	0.023	4.8	<0.10	0.15	<1.0	<0.009	<1.0	<10.0	<10.0	56	0.486	356	<0.50	<0.000004
18		2.6	0.021		<0.10		<1.0	<0.008		<10.0	<10.0	43.8	0.351			
19	<15.0	4.3	0.036	31.7			<1.0	<0.008	1.5	<10.0	<10.0	14.3	0.120	344		
20																
21																
22																
23																
24	0			0		0			0		0			1740		
25	0			0		0			0		0			1710		
26																
27																
28																
29																
30																

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PARAMETER	Weekly										2x Month		Total Nickel	Total Nickel
	Total Mercury	Total Mercury	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		
CODE	71900	71900	7190a	7190a	7190b	7190b	7190c	7190c	7190d	7190d	01062	01062	01067	01067
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A		002A	002A
STAGE	R	R	1D	RD	1D	RD	1D	RD	1D	RD	1	R	1	1
UNIT	ng/L	lbs/day	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ug/L	ug/L	ug/L	lbs/day
1														
2											<5.0		10.6	0.090
3														
4														
5														
6														
7														
8														
9														
10											<5.0		9.5	0.08
11														
12														
13														
14														
15											<5.0		11.2	0.107
16														
17	3.8	0.000033	<0.50	3.8	<0.50	3.8	<0.50	3.8	<0.50	3.8	<5.0	5.4	13.3	0.115
18											<5.0		11.5	0.092
19											<5.0	5.3	9.6	0.081
20														
21														
22														
23														
24												0		
25												0		
26														
27														
28														
29														
30														

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PARAMETER	Weekly				2x Month		Weekly			Monthly				Weekly		Daily
	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	Temperature (F)
CODE	01067	01147	01147	01147	01082	01082	01092	01092	01092	61425	TS16C	TTK6C	03599	00945	00945	00011
Monitoring Point	002A	002A	002A	002A	002A		002A	002A		001A	001A	001A	001A	002A	002A	002A
STAGE	R	1	1	R	1	R	1	1	R	1	1	1	1	1	R	1
UNIT	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	F
1																61.0
2		<1.0	<0.009													65.0
3																64.0
4																63.0
5																63.0
6																62.5
7																61.0
8																60.0
9																60.0
10		<1.0	<0.008													60.0
11																60.0
12																60.0
13																61.2
14																62.1
15		<1.0	<0.010		59.4		<10.0	<0.096						396		61.4
16																62.1
17	210	<1.0	<0.013	4.9	58	356	<10.0	<0.087	<10.0					396	2230	62.0
18		<1.0	<0.008		53.4		<10.0	<0.080		0	0	0	0	394		65.0
19	457	<1.0	<0.008	4.1	56.8	364	<10.0	<0.084	10.3							64.0
20																64.0
21																63.2
22																64.0
23																62.8
24	66			0					0						360	63.0
25	71.4			0					0						390	65.0
26																67.0
27																64.6
28																65.0
29																64.4
30																65.0

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PARAMETER	Daily			
	Outfall Observations	pH Minimum	pH Maximum	Dissolved Oxygen
CODE	84130	00400	00400	00300
Monitoring Point	002A	002A	002A	002A
STAGE	1	1	1	1
UNIT	yes/no	S.U.	S.U.	mg/L
1	yes	7.06	8.59	6.77
2	yes	7.04	8.67	7.67
3	yes	6.94	8.36	6.89
4	yes	6.50	8.04	7.52
5	yes	6.79	7.95	6.14
6	yes	7.45	7.66	5.69
7	yes	7.29	7.33	6.25
8	yes	7.04	8.67	6.13
9	yes	7.02	8.14	8.13
10	yes	7.23	8.45	7.42
11	yes	6.62	7.73	7.40
12	yes	6.64	7.18	7.53
13	yes	6.81	7.71	8.12
14	yes	6.87	8.15	8.20
15	yes	6.56	8.06	8.76
16	yes	6.97	8.66	8.27
17	yes	7.01	8.80	8.68
18	yes	8.04	8.45	8.24
19	yes	7.75	8.14	8.63
20	yes	7.68	7.69	8.41
21	yes	8.15	8.21	8.37
22	yes	6.69	7.96	9.27
23	yes	6.80	8.11	9.31
24	yes	8.26	8.27	7.90
25	yes	7.38	7.45	8.72
26	yes	6.80	7.56	8.22
27	yes	6.99	7.40	8.20
28	yes	6.89	7.88	7.95
29	yes	7.60	7.65	6.83
30	yes	7.50	7.53	8.40