

December 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	1.37										7			
2	1.44										8			
3	1.42			520	6173	4100					8			
4	0.51										7			
5	1.43			500	5953	4200		0.53	<0.05	<0.595	4			
6	1.44										3			
7	1.43										1			
8	1.40										3			
9	1.38	6.8	34.4	1000	11524	3600					4			
10	1.43			700	8357						1			
11	1.39		10.8	500	5791	4400	4.1	0.5	0.0058	0.067	5	<34.0	<0.394	<34.0
12	1.28		15.9	520	5541	4200					6			
13	1.44	<0.70		590	7087						6			
14	1.44										8			
15	1.42										6			
16	1.45		26.4	480	5822	4300					8			
17	1.39										7			
18	1.44		24.9	580	6978	4300		0.63	<0.05	<0.602	8			
19	1.36										7			
20	1.41										7			
21	1.44										1			
22	1.09										15			
23	0.90										7			
24	1.36										8			
25	1.37										1			
26	1.33		952	540	6010	4500		0.61	<0.05	<0.556	2			
27	1.36										9			
28	1.34										5			
29	1.38										6			
30	0.61										9			

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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																
3																
4																
5																
6																
7																
8																
9																
10																
11	<0.50	3.1	0.62	0.00718	2.5	16.3	17	563	1970	<0.08	<0.001	<0.08	1.7	8.1	1.8	0.021
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13																
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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																
3																
4																
5																
6																
7																
8																
9																
10																
11	5	1.7	0.02	24.4	0.12	0.15	<0.10	<0.001	0.88	2.2	2	1480	17.14	60.5	<0.50	<0.000058
12																
13																
14																
15																
16																
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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														
3													36.2	0.430
4														
5													35.2	0.419
6														
7														
8														
9													36.1	0.416
10													35.6	0.425
11	<0.50	<0.000006	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	6.3	38.4	0.445
12													34.3	0.366
13													37.4	0.449
14														
15														
16													37.9	0.460
17														
18													38.1	0.458
19													36.1	0.409
20														
21														
22														
23													34.5	0.260
24														
25														
26													32.1	0.357
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																47.8
2																48.2
3	144													350	2400	47.3
4																49.3
5	171													340	2500	50.6
6																48.2
7																46.8
8																48.7
9	273													620	2300	49.1
10																49.1
11	291	<0.50	<0.006	5	142.0	272.0	<5.0	<0.058	13.4					333	2620	49.0
12	220													310	2600	49.2
13										0	0	0	0	330		49.1
14																49.2
15																49.1
16	337													330	2600	51.6
17																51.2
18														320	2700	52.0
19	702															49.8
20																49.4
21																52.8
22																53.5
23																50.4
24																53.7
25																52.6
26	235													290	2700	57.6
27																54.5
28																52.4
29																53.4
30																52.5

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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	7.02	7.31	8.92
2	yes	7.02	7.28	8.74
3	yes	6.95	7.40	8.99
4	yes	7.01	7.72	8.94
5	yes	6.93	7.96	9.03
6	yes	7.02	7.79	9.12
7	yes	7.25	7.59	9.42
8	yes	7.36	7.57	9.68
9	yes	7.15	7.64	9.60
10	yes	7.19	7.62	9.28
11	yes	6.24	8.71	9.34
12	yes	7.31	8.55	9.42
13	yes	6.98	7.51	9.12
14	yes	7.08	7.35	8.45
15	yes	7.11	7.35	8.47
16	yes	7.16	7.48	9.48
17	yes	7.21	8.28	9.26
18	yes	7.18	7.96	8.78
19	yes	7.18	7.17	9.23
20	yes	7.02	7.24	8.79
21	yes	7.02	7.22	8.74
22	yes	7.10	7.33	8.78
23	yes	7.07	7.55	9.02
24	yes	7.25	7.50	9.62
25	yes	7.08	7.49	8.68
26	yes	6.75	8.43	9.32
27	yes	7.12	7.59	8.98
28	yes	7.13	7.42	8.94
29	yes	7.19	7.94	8.74
30	yes	6.74	7.59	8.52