

July 2016
Humboldt Mill WTP Effluent Results - Outfall 001A

PARAMETER	Flow	Total Suspended Solids	Total Suspended 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	Available Cyanide	Available Cyanide	Total Antimony	Total Arsenic
CODE	50050	00530	00530	70295	70295	00310	00610	00665	00665	50060	01257	01257	01097	01002
Monitoring Point	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A
STAGE	1	1	R	1	R	1	1	1	1	1	1	1	1	1
UNIT	MGD	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	lbs/day	µg/L	µg/L	lbs/day	ug/L	µg/L
1	0													
2	0													
3	0													
4	0													
5	0													
6	0													
7	0													
8	0													
9	0													
10	0													
11	0													
12	0													
13	0													
14	0													
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16	0													
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30	0													
31	0													

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PARAMETER	Total Arsenic	Total Barium	Total Boron	Total Cadmium	Total Cadmium	Total Chromium	Total Cobalt	Total Cobalt	Total Copper	Total Copper	Total Copper	Fluoride	Total Lead	Total Lead
CODE	01002	01007	01022	01027	01027	01034	01037	01037	01042	01042	01042	00951	01051	01051
Monitoring Point	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A
STAGE	1	1	1	1	1	1	1	1	1	1	R	1	1	1
UNIT	lbs/day	ug/L	ug/L	µg/L	lbs/day	ug/L	ug/L	lbs/day	µg/L	lbs/day	ug/L	ug/L	ug/L	lbs/day
1														
2														
3														
4														
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PARAMETER	Total Lithium	Total Manganese	Total Manganese	Total Mercury	Total Mercury	Total Mercury	Total Mercury	Mercury (uncorrected sample result)	Mercury (uncorrected sample result)	Mercury (uncorrected sample result)	Mercury (uncorrected sample result)	Mercury (field duplicate)	Mercury (field duplicate)	Mercury (field blank)
CODE	01132	01055	01055	71900	71900	71900	71900	7190a	7190a	7190a	7190a	7190b	7190b	7190c
Monitoring Point	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A
STAGE	1	1	1	1	1	R	R	1	1	R	R	1D	RD	1D
UNIT	ug/L	ug/L	lbs/day	ng/L	lbs/day	ng/L	lbs/day	ng/L	lbs/day	ng/L	lbs/day	ng/L	ng/L	ng/L
1														
2														
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Humboldt Mill WTP Effluent Results - Outfall 001A

PARAMETER	Mercury (field blank)	Mercury (laboratory method blank)	Mercury (laboratory method blank)	Total Molybdenum	Total Nickel	Total Nickel	Total Nickel	Total Selenium	Total Selenium	Total Selenium	Total Strontium	Total Zinc	Total Zinc	Acute Toxicity (ceriodaphnia dubia)
CODE	7190c	7190d	7190d	01062	01067	01067	01067	01147	01147	01147	01082	01092	01092	61425
Monitoring Point	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A
STAGE	RD	1D	RD	1	1	1	R	1	1	R	1	1	1	1
UNIT	ng/L	ng/L	ng/L	ug/L	ug/L	lbs/day	ug/L	ug/L	lbs/day	ug/L	ug/L	ug/L	lbs/day	TUA
1														
2														
3														
4														
5														
6														
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PARAMETER	Acute Toxicity (fathead minnow)	Chronic Toxicity (fathead minnow)	Chronic Toxicity (ceriodaphnia dubia)	Sulfate	Sulfate	Temperature (F)	Total Hardness	Outfall Observations	pH Minimum	pH Maximum	Dissolved Oxygen
CODE	TS16C	TTK6C	03599	00945	00945	00011	00900	84130	00400	00400	00300
Monitoring Point	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A
STAGE	1	1	1	1	R	1	1	1	1	1	1
UNIT	TUA	TUC	TUC	mg/L	mg/L	F	mg/L	yes/no	S.U.	S.U.	mg/L
1											
2											
3											
4											
5											
6											
7											
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PARAMETER	Flow	Total Suspended Solids	Total Suspended 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	Available Cyanide	Available Cyanide	Total Antimony	Total Arsenic
CODE	50050	00530	00530	70295	70295	00310	00610	00665	00665	50060	01257	01257	01097	01002
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A
STAGE	1	1	R	1	R	1	1	1	1	1	1	1	1	1
UNIT	MGD	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	lbs/day	µg/L	µg/L	lbs/day	ug/L	µg/L
1	0.000001									3				
2	0.000002									0				
3	0.000003									6				
4	0.000004									3				
5	0.000005									0				
6	0.000006	<3.3	<3.3	480	500	<2.0	0.25	<0.0100	<0.000001	5	<2.0	<0.0000002	3.3	<1.0
7	0.000007									6				
8	0.000008									6				
9	0.000009									2				
10	0.000010									4				
11	0.000011									5				
12	0.000012	<3.3	<3.3	430	480	<2.0	0.18	<0.0100	<0.000001	8	<2.0	<0.0000002	3.4	<1.0
13	0.000013									3				
14	0.000014									9				
15	0.000015									6				
16	0.000016									5				
17	0.000017									6				
18	0.000018									5				
19	0.000019									5				
20	0.000020	<3.3	<3.3	280	420			0.0318	0.000005	6	<2.0	<0.000001		<1.0
21	0.000021									6				
22	0.000022									5				
23	0.000023									7				
24	0.000024									3				
25	0.000025									7				
26	0.000026									3				
27	0.000027	<3.3	<3.3	240	400			<0.0100	<0.000003	2	<2.0	<0.000001		<1.0
28	0.000028									5				
29	0.000029									11				
30	0.000030									6				
31	0.000031									11				

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PARAMETER	Total Arsenic	Total Barium	Total Boron	Total Cadmium	Total Cadmium	Total Chromium	Total Cobalt	Total Cobalt	Total Copper	Total Copper	Total Copper	Fluoride	Total Lead
CODE	01002	01007	01022	01027	01027	01034	01037	01037	01042	01042	01042	00951	01051
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A
STAGE	1	1	1	1	1	1	1	1	1	1	R	1	1
UNIT	lbs/day	ug/L	ug/L	µg/L	lbs/day	ug/L	ug/L	lbs/day	ug/L	lbs/day	ug/L	ug/L	ug/L
1													
2													
3													
4													
5													
6	<0.0000001	10	100	<0.20	<0.00000002	<1.0	2.0	0.0000002	<1.0	<0.0000001	1.5	190	<1.0
7													
8													
9													
10													
11													
12	<0.0000001	9.5	93	<0.20	<0.00000002	<1.0	2.2	0.0000002	<1.0	<0.0000001	1.5	130	<1.0
13													
14													
15													
16													
17													
18													
19													
20	<0.0000003			<0.20	<0.00000003		1.2	0.0000002	<1.0	<0.0000002	2.2		<1.0
21													
22													
23													
24													
25													
26													
27	<0.0000003			<0.20	<0.00000001		1.1	0.0000003	<1.0	<0.0000003	1.6		<1.0
28													
29													
30													
31													

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PARAMETER	Total Lead	Total Lithium	Total Manganese	Total Manganese	Total Mercury	Total Mercury	Total Mercury	Total Mercury	Mercury (uncorrected sample result)	Mercury (uncorrected sample result)	Mercury (uncorrected sample result)
CODE	01051	01132	01055	01055	71900	71900	71900	71900	7190a	7190a	7190a
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A
STAGE	1	1	1	1	1	1	R	R	1D	1D	RD
UNIT	lbs/day	ug/L	ug/L	lbs/day	ng/L	lbs/day	ng/L	lbs/day	ng/L	lbs/day	ng/L
1											
2											
3											
4											
5											
6	<0.0000001	<8.0	570	0.00005	<0.500	<0.00000000004	<0.500	<0.00000000004	<0.500	<0.00000000004	<0.500
7											
8											
9											
10											
11											
12	<0.0000001	<8.0	510	0.00004	<0.500	<0.00000000004	0.503	0.00000000004	<0.500	<0.00000000004	<0.500
13											
14											
15											
16											
17											
18											
19											
20	<0.0000002		290	0.00005	<0.500	<0.00000000001	<0.500	<0.00000000001	<0.500	<0.00000000001	<0.500
21											
22											
23											
24											
25											
26											
27	<0.0000003		260	0.0001	<0.500	<0.00000000001	<0.500	<0.00000000001	<0.500	<0.00000000001	<0.500
28											
29											
30											
31											

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PARAMETER	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 Nickel	Total Nickel	Total Nickel	Total Selenium	Total Selenium	Total Selenium
CODE	7190a	7190b	7190b	7190c	7190c	7190d	7190d	01062	01067	01067	01067	01147	01147	01147
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A
STAGE	RD	1D	RD	1D	RD	1D	RD	1	1	1	R	1	1	R
UNIT	lbs/day	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ug/L	ug/L	lbs/day	ug/L	ug/L	lbs/day	ug/L
1														
2														
3														
4														
5														
6	<0.0000000004	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<25	14	0.000001	56	<1.0	<0.0000001	<1.0
7														
8														
9														
10														
11														
12	<0.0000000004	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<25	14	0.000001	55	<1.0	<0.0000001	<1.0
13														
14														
15														
16														
17														
18														
19														
20	<0.0000000001	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500		8.2	0.000001	62	<1.0	<0.0000002	<1.0
21														
22														
23														
24														
25														
26														
27	<0.0000000001	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500		6.0	0.000015	55	<1.0	<0.0000003	<1.0
28														
29														
30														
31														

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PARAMETER	Total Strontium	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	pH Minimum	pH Maximum	Dissolved Oxygen
CODE	01082	01092	01092	61425	TS16C	TTK6C	03599	00945	00945	00011	00900	84130	00400	00400	00300
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A
STAGE	1	1	1	1	1	1	1	1	R	1	1	1	1	1	1
UNIT	ug/L	ug/L	lbs/day	TUA	TUA	TUC	TUC	mg/L	mg/L	F	mg/L	yes/no	S.U.	S.U.	mg/L
1										68		yes	*E	7.8	9.17
2										68		yes	*E	7.8	9.37
3										67		yes	*E	7.8	9.49
4										70		yes	*E	7.9	8.49
5										70		yes	*E	7.9	8.45
6	210	<10	<0.000008					170	160	70	234	yes	*E	7.9	8.52
7										71		yes	*E	7.9	8.43
8										70		yes	*E	8.0	8.46
9										70		yes	*E	7.9	8.42
10										70		yes	*E	7.9	8.56
11										70		yes	*E	8.0	8.61
12	200	<10	<0.000008					170	170	71	226	yes	*E	7.9	8.41
13										72		yes	*E	7.9	8.36
14										71		yes	*E	7.9	8.33
15										69		yes	*E	7.9	8.35
16										69		yes	*E	7.7	8.33
17										70		yes	*E	7.8	8.41
18										69		yes	*E	7.8	8.37
19										70		yes	*E	7.8	8.82
20		<10	<0.000002					100	170	70		yes	*E	7.7	8.54
21										74		yes	*E	7.7	8.35
22										71		yes	*E	7.8	8.44
23										73		yes	*E	7.6	8.32
24										72		yes	*E	7.6	8.56
25				0	0	0	0			77		yes	*E	8.0	8.11
26										77		yes	*E	8.1	8.18
27		<10	<0.000003					100	170	74		yes	*E	7.8	8.34
28										73		yes	*E	7.8	8.16
29										73		yes	*E	7.6	8.02
30										73		yes	*E	7.8	8.19
31										72		yes	*E	7.8	8.40

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PARAMETER	Flow	Total Suspended Solids	Total Suspended 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	Available Cyanide	Available Cyanide	Total Antimony	Total Arsenic
CODE	50050	00530	00530	70295	70295	00310	00610	00665	00665	50060	01257	01257	01097	01002
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A
STAGE	1	1	R	1	R	1	1	1	1	1	1	1	1	1
UNIT	MGD	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	lbs/day	µg/L	µg/L	lbs/day	ug/L	µg/L
1	0.56									3				
2	0.59									0				
3	0.58									6				
4	0.56									3				
5	0.58									0				
6	0.63	<3.3	<3.3	500	500	<2.0	0.25	<0.0100	<0.0525	5	<2.0	<0.0105	3.3	<1.0
7	0.66									6				
8	0.64									6				
9	0.64									2				
10	0.65									4				
11	0.66									5				
12	0.67	<3.3	<3.3	430	480	<2.0	0.18	<0.0100	<0.0559	8	<2.0	<0.0112	3.4	<1.0
13	0.69									3				
14	0.64									9				
15	0.64									6				
16	0.66									5				
17	0.67									6				
18	0.64									5				
19	0.63									5				
20	0.69	<3.3	<3.3	280	420			0.0318	0.183	6	<2.0	<0.0115		<1.0
21	0.70									6				
22	0.66									5				
23	0.69									7				
24	0.68									3				
25	0.65									7				
26	0.59									3				
27	0.66	<3.3	<3.3	240	400			<0.0100	<0.0550	2	<2.0	<0.0110		<1.0
28	0.55									5				
29	0.56									11				
30	0.67									6				
31	0.71									11				

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PARAMETER	Total Arsenic	Total Barium	Total Boron	Total Cadmium	Total Cadmium	Total Chromium	Total Cobalt	Total Cobalt	Total Copper	Total Copper	Total Copper	Fluoride	Total Lead	Total Lead
CODE	01002	01007	01022	01027	01027	01034	01037	01037	01042	01042	01042	00951	01051	01051
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A
STAGE	1	1	1	1	1	1	1	1	1	1	R	1	1	1
UNIT	lbs/day	ug/L	ug/L	µg/L	lbs/day	ug/L	ug/L	lbs/day	ug/L	lbs/day	ug/L	ug/L	ug/L	lbs/day
1														
2														
3														
4														
5														
6	<0.0053	10	100	<0.20	<0.00105	<1.0	2.0	0.0105	<1.0	<0.0053	1.5	190	<1.0	<0.0053
7														
8														
9														
10														
11														
12	<0.0056	9.5	93	<0.20	<0.00112	<1.0	2.2	0.0123	<1.0	<0.0056	1.5	130	<1.0	<0.0056
13														
14														
15														
16														
17														
18														
19														
20	<0.0058			<0.20	<0.0012		1.2	0.0069	<1.0	<0.0058	2.2		<1.0	<0.0058
21														
22														
23														
24														
25														
26														
27	<0.0055			<0.20	<0.00110		1.1	0.0061	<1.0	<0.0055	1.6		<1.0	<0.0055
28														
29														
30														
31														

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PARAMETER	Total Lithium	Total Manganese	Total Manganese	Total Mercury	Total Mercury	Total Mercury	Total Mercury	Mercury (uncorrected sample result)	Mercury (uncorrected sample result)	Mercury (uncorrected sample result)	Mercury (uncorrected sample result)	Mercury (field duplicate)	Mercury (field duplicate)	Mercury (field blank)
CODE	01132	01055	01055	71900	71900	71900	71900	7190a	7190a	7190a	7190a	7190b	7190b	7190c
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A
STAGE	1	1	1	1	1	R	R	1D	1D	RD	RD	1D	RD	1D
UNIT	ug/L	ug/L	lbs/day	ng/L	lbs/day	ng/L	lbs/day	ng/L	lbs/day	ng/L	lbs/day	ng/L	ng/L	ng/L
1														
2														
3														
4														
5														
6	<8.0	570	2.9949	<0.500	<0.0000026	<0.500	<0.0000026	<0.500	<0.0000026	<0.500	<0.0000026	<0.500	<0.500	<0.500
7														
8														
9														
10														
11														
12	<8.0	510	2.8498	<0.500	<0.0000028	0.503	0.0000028	<0.500	<0.0000028	<0.500	<0.0000028	<0.500	<0.500	<0.500
13														
14														
15														
16														
17														
18														
19														
20		290	1.6688	<0.500	<0.0000029	<0.500	<0.0000029	<0.500	<0.0000029	<0.500	<0.0000029	<0.500	<0.500	<0.500
21														
22														
23														
24														
25														
26														
27		260	1.4311	<0.500	<0.000003	<0.500	<0.000003	<0.500	<0.000003	<0.500	<0.000003	<0.500	<0.500	<0.500
28														
29														
30														
31														

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Humboldt Mill WTP Effluent Results - Outfall 003A

PARAMETER	Mercury (field blank)	Mercury (laboratory method blank)	Mercury (laboratory method blank)	Total Molybdenum	Total Nickel	Total Nickel	Total Nickel	Total Selenium	Total Selenium	Total Selenium	Total Strontium	Total Zinc	Total Zinc	Acute Toxicity (ceriodaphnia dubia)
CODE	7190c	7190d	7190d	01062	01067	01067	01067	01147	01147	01147	01082	01092	01092	61425
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A
STAGE	RD	1D	RD	1	1	1	R	1	1	R	1	1	1	1
UNIT	ng/L	ng/L	ng/L	ug/L	ug/L	lbs/day	ug/L	ug/L	lbs/day	ug/L	ug/L	ug/L	lbs/day	TUA
1														
2														
3														
4														
5														
6	<0.500	<0.500	<0.500	<25	14	0.0736	56	<1.0	<0.0053	<1.0	210	<10	<0.0525	
7														
8														
9														
10														
11														
12	<0.500	<0.500	<0.500	<25	14	0.0782	55	<1.0	<0.0056	<1.0	200	<10	<0.0559	
13														
14														
15														
16														
17														
18														
19														
20	<0.500	<0.500	<0.500		8.2	0.0472	62	<1.0	<0.0058	<1.0		<10	<0.0575	
21														
22														
23														
24														
25														0
26														
27	<0.500	<0.500	<0.500		6.0	0.33	55	<1.0	<0.055	<1.0		<10	<0.055	
28														
29														
30														
31														

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Humboldt Mill WTP Effluent Results - Outfall 003A

PARAMETER	Acute Toxicity (fathead minnow)	Chronic Toxicity (fathead minnow)	Chronic Toxicity (ceriodaphnia dubia)	Sulfate	Sulfate	Temperature (F)	Total Hardness	Outfall Observations	pH Minimum	pH Maximum	Dissolved Oxygen
CODE	TS16C	TTK6C	03599	00945	00945	00011	00900	84130	00400	00400	00300
Monitoring Point	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A	002A
STAGE	1	1	1	1	R	1	1	1	1	1	1
UNIT	TUA	TUC	TUC	mg/L	mg/L	F	mg/L	yes/no	S.U.	S.U.	mg/L
1						68		yes	*E	7.8	9.17
2						68		yes	*E	7.8	9.37
3						67		yes	*E	7.8	9.49
4						70		yes	*E	7.9	8.49
5						70		yes	*E	7.9	8.45
6				170	160	70	234	yes	*E	7.9	8.52
7						71		yes	*E	7.9	8.43
8						70		yes	*E	8.0	8.46
9						70		yes	*E	7.9	8.42
10						70		yes	*E	7.9	8.56
11						70		yes	*E	8.0	8.61
12				170	170	71	226	yes	*E	7.9	8.41
13						72		yes	*E	7.9	8.36
14						71		yes	*E	7.9	8.33
15						69		yes	*E	7.9	8.35
16						69		yes	*E	7.7	8.33
17						70		yes	*E	7.8	8.41
18						69		yes	*E	7.8	8.37
19						70		yes	*E	7.8	8.82
20				100	170	70		yes	*E	7.7	8.54
21						74		yes	*E	7.7	8.35
22						71		yes	*E	7.8	8.44
23						73		yes	*E	7.6	8.32
24						72		yes	*E	7.6	8.56
25	0	0	0			77		yes	*E	8.0	8.11
26						77		yes	*E	8.1	8.18
27				100	170	74		yes	*E	7.8	8.34
28						73		yes	*E	7.8	8.16
29						73		yes	*E	7.6	8.02
30						73		yes	*E	7.8	8.19
31						72		yes	*E	7.8	8.40