REF. DWG NO. 500-0007 REV. A 1594

DAILY LOG

DAY	DATE	TIME	CAUSTIC LEVEL	FLOC. LEVEL	pH READING PROCESS MONITOR	pH READING OUTPUT MONITOR	pH PAPER PROCESS MONITOR	pH PAPER OUTPUT MONITOR	FLOWMETER	CYCLES	TEMP F° LARGE TANK	TEMP F° SMALL TANK	TEMP F° OAKITE TANK	REVETMENT LARGE RINSE	REVETMENT LARGE ACID	REVETMENT SMALL TANKS	COMMENTS,PROBLEMS,& REMARKS (W/O#)
MONDAY	6/23	7 AM	17.1	8	10.23	9.88	—	—	1554	31	127	123	127				
		3 PM	16.8	4	10.12	9.82	—	—	184	8	124	116	120				
		11PM	16.6	2	11.47	9.81	—	—	1418	33	124	120	108				
TUESDAY	6/24	7 AM	16.6	2	10.23	9.84	—	—	1712	36	120	116	122				
		3 PM	16.6	15	10.15	9.81	—	—	631	2	125	121	120				
		11PM	15.5	10	9.96	9.81	—	—	1977	17	118	128	109				
WEDNESDAY	6/25	7 AM	15.5	10	10.97	9.82	—	—	1977	15	119	121	125				Cleaned @ 64 hrs
		3 PM	15.5	5	10.13	9.79	—	—	524	1	124	127	122				
		11PM	15.5	2	10.03	9.75	—	—	1390	9	121	120	110				
THURSDAY	6/26	7 AM	15.5	2	12.61	9.78	—	—	1390	16	120	117	124				
		3 PM	15.6	15	10.96	9.78	—	—	626	20	127	126	124				
		11PM	14.5	8	9.53	9.90	—	—	1122	37	118	117	109				
FRIDAY	6/27	7 AM	14.5	8	10.76	9.86	—	—	1122	41	114	106	122				
		3 PM	14.5	5	11.36	9.55	—	—	573	12	107	101	125				
		11PM	14.3	2	11.22	10.06	—	—	1529	28	117	112	111				
SATURDAY																	
SUNDAY																	

AKC-0006213

..\WOUT\500-0007, 03/04/99

REF. DWG NO. 500-0007 REV. A 1594

DAILY LOG

DAY	DATE	TIME	CAUSTIC LEVEL	FLOC. LEVEL	pH READING PROCESS MONITOR	pH READING OUTPUT MONITOR	pH PAPER PROCESS MONITOR	pH PAPER OUTPUT MONITOR	FLOWMETER	CYCLES	TEMP F° LARGE TANK	TEMP F° SMALL TANK	TEMP F° OAKITE TANK	REVETMENT LARGE RINSE	REVETMENT LARGE ACID	REVETMENT SMALL TANKS	COMMENTS,PROBLEMS,& REMARKS (W/O#)
MONDAY	6/16	7 AM	22.5	13	9.93	9.61	—	—	2075	30	127	124	123				
		3 PM	22.1	11	11.31	9.56	—	—	609	19	121	121	126				
		11PM	21.3	8	10.31	9.66	—	—	1548	43	123	120	107				
TUESDAY	6/17	7 AM	21.3	8	10.35	9.87	—	—	1548	46	119	113	115				
		3 PM	21.1	6	9.88	9.95	—	—	820	24	126	121	122				
		11PM	20.1	2	11.44	10.07	—	—	2275	56	121	120	106				
WEDNESDAY	6/18	7 AM	20.1	2	11.11	10.19	—	—	2275	58	121	119	122				
		3 PM	19.5	12	11.38	10.26	—	—	410	19	127	126	121				
		11PM	19.0	8	10.52	10.34	—	—	1469	40	123	119	108				
THURSDAY	6/19	7 AM	18.8	0	10.51	10.51	—	—	1469	42	120	118	121				Cleaned @ 64 hrs
		3 PM	18.5	3	9.78	10.59	—	—	1057	17	125	123	125				
		11PM	18.1	1	10.43	10.61	—	—	1791	48	120	120	112				
FRIDAY	6/20	7 AM	18.1	1	9.95	10.52	—	—	1791	48	117	119	123				
		3 PM	18.0	12	11.57	10.36	—	—	487	7	128	126	118				
		11PM	17.1	8	11.62	10.21	—	—	1274	31	119	116	112				
SATURDAY																	
SUNDAY																	

AKC-0006214

..\WOUT\500-0007, 03/04/99

REF. DWG NO. 500-0007 REV. A 1594

DAILY LOG

DAY	DATE	TIME	CAUSTIC LEVEL	FLOC. LEVEL	pH READING PROCESS MONITOR	pH READING OUTPUT MONITOR	pH PAPER PROCESS MONITOR	pH PAPER OUTPUT MONITOR	FLOWMETER	CYCLES	TEMP F° LARGE TANK	TEMP F° SMALL TANK	TEMP F° OAKITE TANK	REVETMENT LARGE RINSE	REVETMENT LARGE ACID	REVETMENT SMALL TANKS	COMMENTS, PROBLEMS, & REMARKS (W/O#)
MONDAY	6/9	7 AM	26.5	2	9.66	9.86	—	—	2051	48	120	118	125				Cleaned @ 64 hrs
		3 PM	25.9	13	10.82	9.82	—	—	847	25	122	90	126				
		11PM	24.9	10	10.53	9.86	—	—	2592	61	125	105	104				
TUESDAY	6/10	7 AM	24.9	10	10.12	9.96	—	—	2655	63	119	99	110				
		3 PM	24.9	5	9.87	10.10	—	—	375	16	127	107	122				
		11PM	24.4	2	11.33	10.14	—	—	1917	39	120	114	105				
WEDNESDAY	6/11	7 AM	24.3	2	9.53	9.98	—	—	1917	40	118	109	115				
		3 PM	23.7	15	11.13	9.89	—	—	9.80	16	124	111	122				
		11PM	23.3	10	10.37	9.84	—	—	2084	37	127	114	107				
THURSDAY	6/12	7 AM	23.3	10	9.64	9.91	—	—	2133	38	118	111	113				
		3 PM	23.3	7	9.92	9.99	—	—	353	9	124	121	123				
		11PM	22.9	2	10.23	9.99	—	—	1725	32	126	122	107				
FRIDAY	6/13	7 AM	22.9	2	12.05	9.94	—	—	1826	35	118	119	117				Cleaned @ 64 hrs
		3 PM	22.9	15	10.57	9.88	—	—	509	8	127	123	121				
		11PM	22.4	12	12.09	9.84	—	—	2034	30	119	120	109				
SATURDAY																	
SUNDAY																	

AKC-0006215

\WOUT\500-0007, 03/04/99

REF. DWG NO. 500-0007 REV. A 1594

DAILY LOG

DAY	DATE	TIME	CAUSTIC LEVEL	FLOC. LEVEL	pH READING PROCESS MONITOR	pH READING OUTPUT MONITOR	pH PAPER PROCESS MONITOR	pH PAPER OUTPUT MONITOR	FLOWMETER	CYCLES	TEMP F° LARGE TANK	TEMP F° SMALL TANK	TEMP F° OAKITE TANK	REVETMENT LARGE RINSE	REVETMENT LARGE ACID	REVETMENT SMALL TANKS	COMMENTS,PROBLEMS,& REMARKS (W/O#)
MONDAY	6/2	7 AM	.0	15	11.67	10.18	—	—	1886 4004	39 92	122	110	126				
		3 PM	30.0	10	9.56	10.12	—	—	1323	23	124	106	123				
		11PM	30.0	5	9.56	10.06	—	—	2782	40	122	104	106				
TUESDAY	6/3	7 AM	30.0	5	11.2	10.06	—	—	2782	43	120	104	111				Cleaned @ 56 hrs
		3 PM	30.0	17	10.18	10.02	—	—	0	12	124	109	124				
		11PM	29.5	10	11.60	9.91	—	—	1359	37	121	108	107				
WEDNESDAY	6/4	7 AM	29.5	10	10.84	9.96	—	—	1359	37	118	104	113				
		3 PM	29.2	5	10.61	9.88	—	—	804	14	126	108	128				
		11PM	28.7	2	9.58	10.12	—	—	2200	34	122	109	106				
THURSDAY	6/5	7 AM	28.8	2	10.32	10.03	—	—	2200	35	119	105	111				
		3 PM	28.5	12	10.02	9.95	—	—	572	17	127	108	127				
		11PM	28.0	10	11.84	9.92	—	—	2061	51	124	110	106				
FRIDAY	6/6	7 AM	28.0	10	10.10	9.88	—	—	2081	54	119	105	109				
		3 PM	27.2	7	10.16	9.86	—	—	393	20	124	108	126				
		11PM	26.5	2	11.79	9.89	—	—	2051	48	122	118	106				
SATURDAY																	
SUNDAY																	

\WOUT\500-0007, 03/04/99

AKC-0006216

Industrial Waste Monthly Self-Monitoring Report

Mail or FAX to: King County Industrial Waste
130 Nickerson Street, Suite 200
Seattle, WA 98109-1658
Phone 206-263-3000 / FAX 206-263-3001

AKC-0006217

Company Name: ALASKAN COPPER WORKS **Sample Site No.** A-4010 **Permit/DA No.:** 7238

Please Specify Month & Year: **Month** JUNE **2008** **This form is available at** http://dnr.metrokc.gov/wlr/indwaste

All units are mg/l unless otherwise noted. Note: For cyanide circle test performed - amenable or total ▼

Sample Date (circle)	Sample Type C (Composite) G (grab) BC (batch)	pH Min	pH Max	Cadmium, Cd	Chromium, Cr	Copper, Cu	Lead, Pb	Mercury, Hg	Nickel, Ni	Silver, Ag	Zinc, Zn	Cyanide (CN) Amenable (A) or Total (T)	NP Fats, Oils, and Grease (Average of 3 grabs)		Flow (GPD) Industrial	Notes (Indicate Batch Discharges)
1		---------	---------												----------	
2		10.0	10.1												1886	
3		9.9	10.0												2782	
4		9.9	10.1												1359	
(5)	C	9.9	10.0		.33	.38			.35		.01				2200	
6		9.8	9.9												2081	
7		---------	---------												----------	
8		---------	---------												----------	
9		9.8	9.8												2051	
10		9.9	10.1												2655	
11		9.8	9.9												1917	
(12)	C	9.9	10.0		.63	.62			.68		.02				2133	
13		9.8	9.9												1826	
14		---------	---------												----------	
15		---------	---------												----------	
16		9.5	9.6												2075	
17		9.8	10.0												1548	
18		10.1	10.3												2275	
19		10.5	10.6												1469	
(20)	G	10.2	10.5		.53	.35			.44		.02				1791	
21		---------	---------												----------	
22		---------	---------												----------	
23		9.8	9.9												1394	
24		9.8	9.8												1712	
25		9.7	9.8												1977	
(26)	C	9.7	9.8		.44	.39			.36		.01				1390	
27		9.8	10.0												1122	
28		---------	---------												----------	
29		---------	---------												----------	
30		9.7	9.8												1529	
31	----------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	----------	----------	--	----------	----------

Monthly Min pH	9.5	& Date	6-16-08	Total Monthly Flow (gallons)	39172		
Monthly Max pH	10.6	& Date	6-19-08	Maximum Daily Flow	2782	& Date	6-3-08

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

Signature of Principal Executive or Authorized Agent

7-15-08
Date

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: **Monthly report is due by the 15th of each month.**

Industrial Waste Monthly Self-Monitoring Report

Mail or FAX to: King County Industrial Waste
130 Nickerson Street, Suite 200
Seattle, WA 98109-1658
Phone 206-263-3000 / FAX 206-263-3001

AKC-0006218

Company Name: ALASKAN COPPER WORKS **Sample Site No.** A-4009 **Permit/DA No.:** 7201

Please Specify Month & Year: **Month** JUNE **2008**

This form is available at http://dnr.metrokc.gov/wlr/indwaste

All units are mg/l unless otherwise noted. Note: For cyanide circle test performed - amenable or total ▼

Sample Date (circle)	Sample Type C (Composite) G (grab) BC (batch)	pH Min	pH Max	Cadmium, Cd	Chromium, Cr	Copper, Cu	Lead, Pb	Mercury, Hg	Nickel, Ni	Silver, Ag	Zinc, Zn	Cyanide (CN) Amenable (A) or Total (T)	NP Fats, Oils, and Grease (Average of 3 grabs)		Flow (GPD) Industrial	Notes (Indicate Batch Discharges)
1																
2																
3																
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8																
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NOT IN USE THIS MONTH

Monthly Min pH _____ & Date _____ Total Monthly Flow (gallons) _____

Monthly Max pH _____ & Date _____ Maximum Daily Flow _____ & Date _____

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

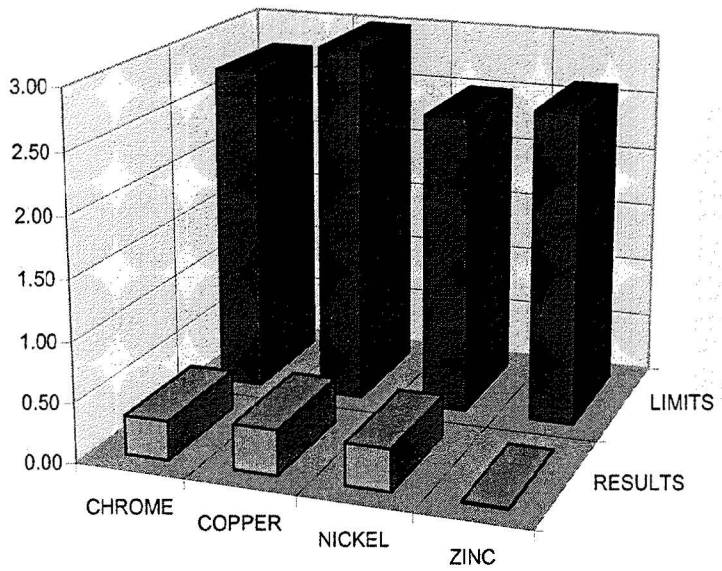
7-15-08

Signature of Principal Executive or Authorized Agent — Date

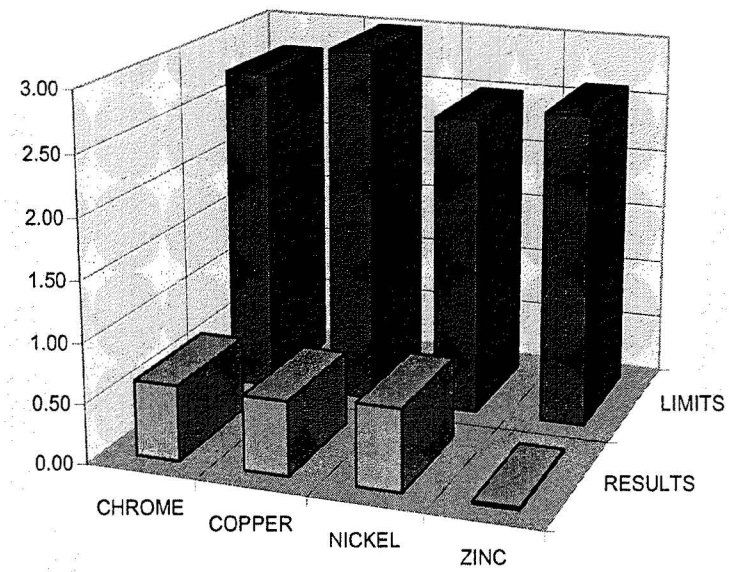
PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th of each month.

JUNE
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
JUNE 5, 2008
COMPOSITE M119744



ALASKAN COPPER WORKS
3200 FACILITY
JUNE 12, 2008
COMPOSITE M02535

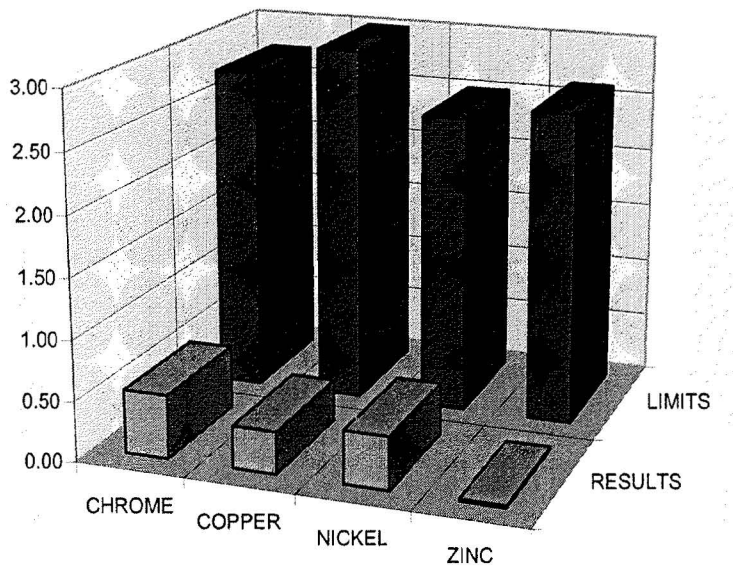
VISUAL REPRESENTATION OF THE LAB RESULTS

NOTE: ALL LABORATORY RESULTS HAVE BEEN CHANGED FROM **ppb** TO **ppm** FOR REPORTING PURPOSES

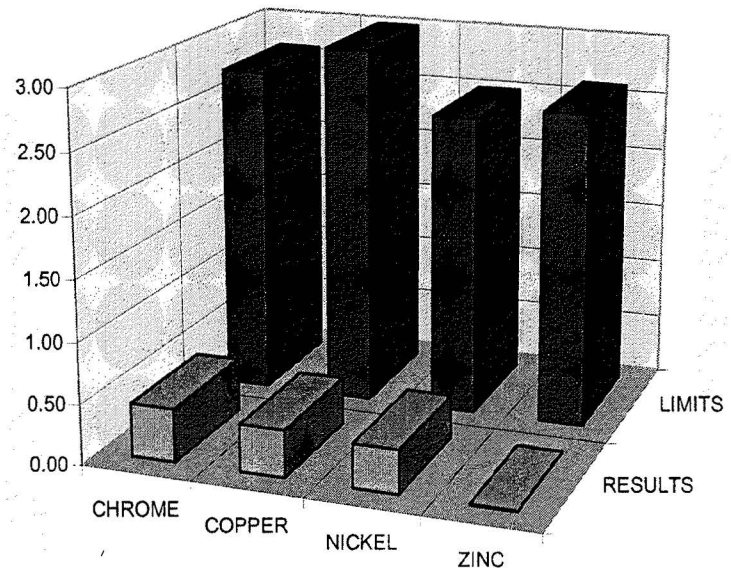
	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.33	0.38	0.35	0.01
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.63	0.62	0.68	0.02
LIMITS	2.75	3.00	2.50	2.61

JUNE
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
JUNE 20, 2008
GRAB M119884



ALASKAN COPPER WORKS
3200 FACILITY
JUNE 26, 2008
COMPOSITE M02577

VISUAL REPRESENTATION OF THE LAB RESULTS

NOTE: ALL LABORATORY RESULTS HAVE BEEN CHANGED FROM **ppb** TO **ppm** FOR REPORTING PURPOSES

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.53	0.35	0.44	0.02
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.44	0.39	0.36	0.01
LIMITS	2.75	3.00	2.50	2.61