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-0007308

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

Please Specify Month & Year: **Month** AUGUST **2006** **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		9.6	9.7												1896	
2		9.6	9.7												1470	
3		9.8	10.2												2249	
4		9.6	9.8												1622	
5		9.6	9.6												2860	
6		9.5	9.5												664	
7		9.3	9.5												1411	
8		9.3	9.6												2381	
9		9.5	9.6												3839	
(10)	C	9.6	9.9		.96	1.73			1.66		.13				1239	
11		9.6	9.8												1722	
12		9.6	9.6												1371	
13		---------	---------												----------	
14		9.4	9.4												1304	
15		9.4	9.5												1655	
16		9.4	9.6												1596	
(17)	C	9.7	10.0		1.82	2.46			3.36		.24				1830	
18		9.5	9.8												1466	
19		9.4	9.8												2989	
20		---------	---------												----------	
21		9.2	9.5												853	
22		9.2	9.6												1742	
23		9.5	9.5												1578	
24		9.4	9.4												3035	
(25)	C	9.3	9.4		.63	1.35			1.92		.36				1732	
26		9.3	9.3												1868	
27		---------	---------												----------	
28		9.1	9.4												1331	
29		9.4	9.5												1441	
30		9.3	9.5												1278	
(31)	C	9.3	9.3		1.41	1.75			1.83		.05				1597	

Monthly Min pH	9.1	& Date	8/28/06	Total Monthly Flow (gallons)	50019
Monthly Max pH	10.2	& Date	8/3/06	Maximum Daily Flow	3839 & Date 8/9/06

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 Date

PLEASE CIRCLE ALL PERMIT VIOLATIONS

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

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Seattle, WA 98109-1658
Phone 206-263-3000 / FAX 206-263-3001

AKC-0007309

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

Please Specify Month & Year: **Month** AUGUST **2006** **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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31																

NOT IN USE THIS MONTH

Monthly Min pH		& Date		Total Monthly Flow (gallons)	
Monthly Max pH		& Date		Maximum Daily Flow	& Date

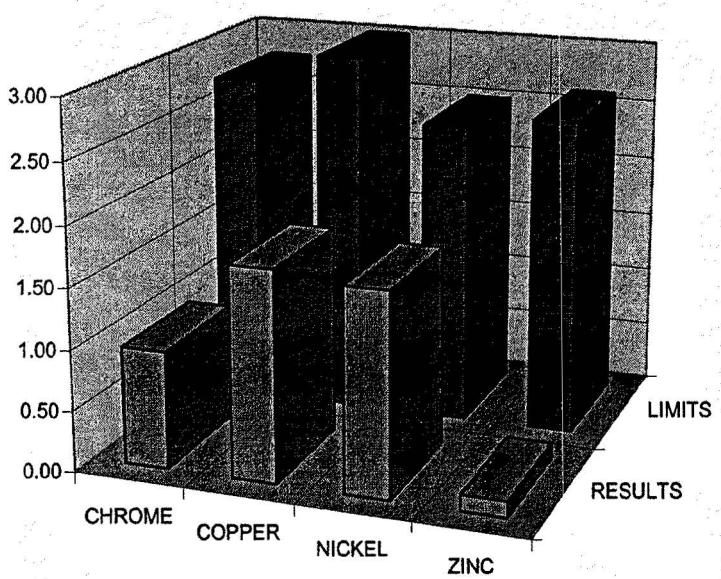
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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.

Signature of Principal Executive or Authorized Agent Date

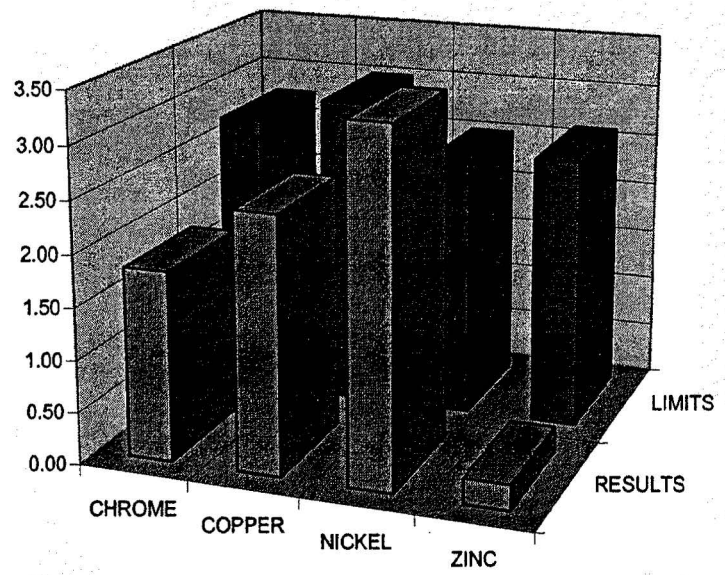
PLEASE CIRCLE ALL PERMIT VIOLATIONS

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

AUGUST
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
AUGUST 10, 2006
COMPOSITE M108547



ALASKAN COPPER WORKS
3200 FACILITY
AUGUST 17, 2006
COMPOSITE M108543

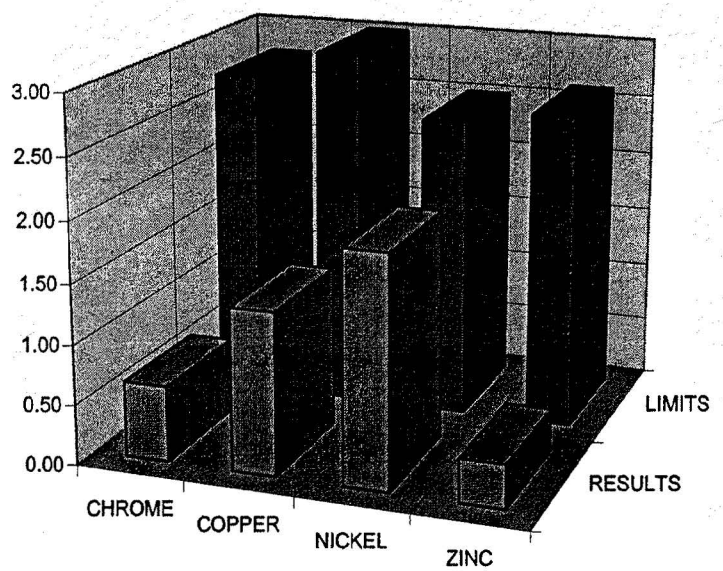
VISUAL REPRESENTATION OF THE LAB RESULTS

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

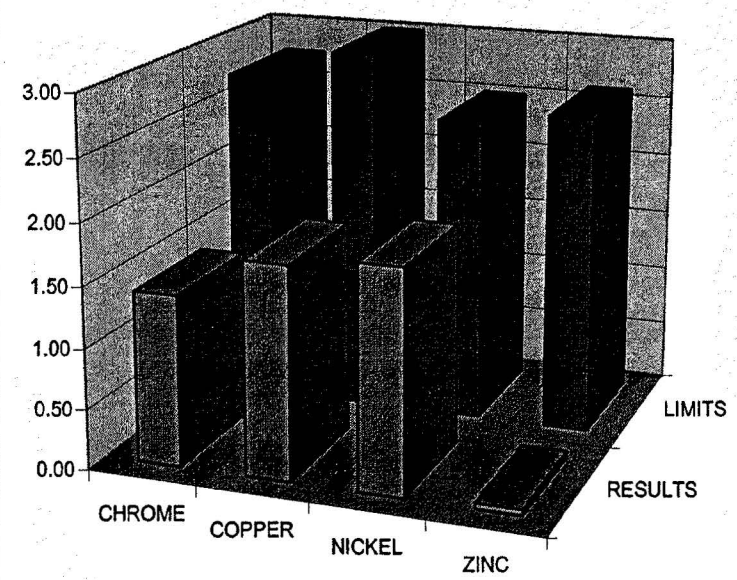
	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.97	1.73	1.66	0.13
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	1.82	2.46	3.36	0.24
LIMITS	2.75	3.00	2.50	2.61

AUGUST
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
AUGUST 25, 2006
COMPOSITE M108621



ALASKAN COPPER WORKS
3200 FACILITY
AUGUST 31, 2006
COMPOSITE M108658

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	0.63	1.35	1.92	0.36
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	1.41	1.75	1.83	0.05
LIMITS	2.75	3.00	2.50	2.61

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	7/31	7 AM	5.7	3	11.06	9.75	–	–	2278	111	124	97	88				
		3 PM	5.5	12	9.93	9.70	–	–	1015	49	121	97	124				
		11PM	5.2	7	10.58	9.80	–	–	1896	106	124	99	112				
TUESDAY	8/1	7 AM	4.4	5	11.06	9.75	–	–	1886	124	116	93	120				Forgot to Reset Flow & Gradients
		3 PM	3.9	15	10.12	9.77	–	–	2675	170	105	91	128				
		11PM	2.9	12	9.94	9.68	–	–	3366	265	103	98	115				
WEDNESDAY	8/2	7 AM	2.6	13	11.54	9.62	–	–	1470 / 3366	108 / 232	98	84	120				3366 − 1896 = 1470
		3 PM	1.8	7	11.59	9.68	–	–	1409	48	119	88	128				
		11PM	1.0	5	11.25	9.75	–	–	2220	102	122	91	114				
THURSDAY	8/3	7 AM	.7	5	9.64	10.08	–	–	2249	121	125	90	119				
		3 PM	5.4	3	9.97	10.20	–	–	1057	85	121	88	126				
		11PM	4.6	15	11.27	9.89	–	–	1622	135	113	95	112				
FRIDAY	8/4	7 AM	4.6	15	11.0	9.70	–	–	1622		106	82	115				Forgot to Reset Flow & cycles
		3 PM	3.3	14	9.68	9.75	–	–	2213	217	100	81	127				
		11PM	2.9	11	9.89	9.82	–	–	2761	251	97	79	116				
SATURDAY	8/5	800	2.8	11	10.24	9.62	–	–	2860	251	93	77	102				
		430	2.0	8	10.76	9.60	–	–	664	42	90	76	95				
				~~8~~													
SUNDAY	8/6	700	1.8	8	11.46	9.51	–	–	664	46	86	74	102				
		1100	1.2	5	10.58	9.50	–	–	340	44	85	74	129				

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AKC-0007312

DAILY LOG

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

DAY	SUNDAY			SATURDAY			FRIDAY 8/11			THURSDAY 8/10			WEDNESDAY 8/9			TUESDAY 8/8			MONDAY 8/7		
DATE																					
TIME					7 AM	11PM	7 AM	3 PM	11PM	7 AM	3 PM	11PM	7 AM	3 PM	11PM	7 AM	3 PM	11PM	7 AM	3 PM	11PM
CAUSTIC LEVEL					19.9	19.9	21.2	26.7	19.9	22.5	22.0	21.5	23.6	23.0	22.5	0.0	24.1	23.6		0.2	0.0
FLOC. LEVEL					11	11	2	14	13	12	6	2	5	14	12	14	8	6		17	14
pH READING PROCESS MONITOR					10.95	10.72	10.04	10.35	10.29	11.31	9.53	10.17	9.78	9.75	9.65	11.28	9.97	9.73		10.67	10.97
pH READING OUTPUT MONITOR					9.66	9.68	9.82	9.73	9.68	9.60	9.78	9.91	9.67	9.54	9.55	9.37	9.46	9.65		9.52	9.39
pH PAPER PROCESS MONITOR					-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
pH PAPER OUTPUT MONITOR					-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
FLOWMETER					1371	1725	1722	664	1371	1239	860	1387	1239	726	1239	2381	2700	3839		1411	2381
CYCLES					68	93	108	27	57	112	49	98	112	56	93	86	80	135		0	48
TEMP F° LARGE TANK					106	113	116	119	112	113	121	114	106	124	119	122	118	112		124	122
TEMP F° SMALL TANK					78	78	82	83	81	81	83	81	83	86	84	90	89	86		88	92
TEMP F° OAKITE TANK					99	129	135	128	114	119	127	113	118	127	115	115	128	113		128	113
REVETMENT LARGE RINSE																					
REVETMENT LARGE ACID																					
REVETMENT SMALL TANKS																					

COMMENTS, PROBLEMS, & REMARKS (W/O#)

Forgot to Reset flow

C:\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	8/14	7 AM	18.9	10	10.34	9.45	—	—	304	30	117	85	130				
		3 PM	18.3	7	9.91	9.47	—	—	901	41	124	87	128				
		11PM	17.9	3	10.82	9.48	—	—	1655	96	119	91	113				
TUESDAY	8/15	7 AM	17.9	3	10.11	9.50	—	—	1655	110	121	89	123				
		3 PM	17.4	15	9.83	9.50	—	—	549	32	119	88	127				
		11PM	16.6	12	9.32	9.44	—	—	1576	94	110	85	114				
WEDNESDAY	8/16	7 AM	16.3	12	9.75	9.46	—	—	1596	109	104	82	124				
		3 PM	15.8	10	9.57	9.50	—	—	1126	40	127	86	128				
		11PM	15.0	8	9.70	9.60	—	—	1690	87	120	89	117				
THURSDAY	8/17	7 AM	14.7	8	10.13	9.76	—	—	1830	110	112	85	125				
		3 PM	14.2	5	9.98	10.06	—	—	772	30	119	85	129				
		11PM	13.4	2	9.66	9.92	—	—	1466	93	110	83	113				
FRIDAY	8/18	7 AM	13.2	2	9.76	9.80	—	—	1446	95	104	81	122				Forgot to Reset
		3 PM	12.6	15	10.90	9.73	—	—	1928	137	128	84	128				
		11PM	11.8	10	10.11	9.55	—	—	2989	182	118	82	115				
SATURDAY	8/19	7 AM	11.8	10	9.80	9.48	—	—	2989	183	113	80	102				
SUNDAY																	

AKC-0007314

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	8/21	7 AM	11.3	8	10.02	9.26	—	—	353	231	121	91	127				
		3 PM	10.6	3	10.02	9.36	—	—	1000	52	123	92	128				
		11PM	10.0	1	10.55	9.51	—	—	1742	92	118	96	114				
TUESDAY	8/22	7 AM	9.8	3	9.55	9.52	—	—	1742	122	123	93	123				
		3 PM	9.8	16	10.01	9.53	—	—	592	38	122	95	123				
		11PM	8.5	10	10.05	9.62	—	—	1527	76	124	98	113				
WEDNESDAY	8/23	7 AM	8.2	10	10.34	9.56	—	—	1578	90	116	93	126				Forgot to Reset Flow & Cycle
		3 PM	7.7	5	10.36	9.54	—	—	2435	127	119	92	128				
		11PM	6.6	2	11.30	9.57	—	—	3035	201	110	89	111				
THURSDAY	8/24	7 AM	6.4	15	10.67	9.44	—	—	3035	211	103	86	122				
		3 PM	5.4	12	10.54	9.46	—	—	689	28	125	89	128				
		11PM	4.6	10	10.59	9.40	—	—	1732	72	119	90	112				
FRIDAY	8/25	7 AM	4.3	10	10.59	9.41	—	—	1732	90	120	90	128				
		3 PM	3.8	10	9.72	9.41	—	—	514	53	122	92	129				
		11PM	3.3	8	10.15	9.35	—	—	1736	107	126	94	112				
SATURDAY	08/26	700	3.3	8	10.51	9.31	—	—	1868	108	118	90	99				
		11:30	3.0	6	11.25	9.30	—	—	331	15	125	91	128				
SUNDAY																	

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AKC-0007315