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-0007328

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

Please Specify Month & Year: **Month** JULY **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		9.4	10.2												970	
4		--------	--------												----------	
5		9.6	9.7												1826	
6		9.7	10.3												2025	
7		10.1	10.4												1312	
8		10.0	10.0												1193	
9		--------	--------												----------	
10		9.7	10.5												1014	
11		9.9	10.1												1624	
12		9.9	10.1												1093	
(13)	C	9.6	9.8		1.27	1.81			2.07		.08				2010	
14		9.2	9.5												2279	
15		9.5	9.6												1302	
16		--------	--------												----------	
17		9.5	9.6												1906	
18		9.4	9.6												2212	
19		9.6	10.4												1567	
20		10.0	10.0												1687	
21		9.8	9.6												1608	
22		9.9	10.1												2091	
23		--------	--------												----------	
24		9.5	9.9												1166	
25		10.2	10.7												1961	
26		10.1	10.3												1884	
27		10.0	10.0												1169	
28		10.1	10.5												2290	
(29)	C	9.9	9.9		.33	.23			.27		.04				1647	
30		--------	--------												----------	
31		9.7	9.8												2278	

Monthly Min pH	9.2	& Date	7-14-06	Total Monthly Flow (gallons)	40114
Monthly Max pH	10.7	& Date	7-25-06	Maximum Daily Flow	2290

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 _____ & Date 7-28

PLEASE CIRCLE ALL PERMIT VIOLATIONS

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

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AKC-0007329

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

Please Specify Month & Year: **Month** JULY **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																
4																
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31																

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

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

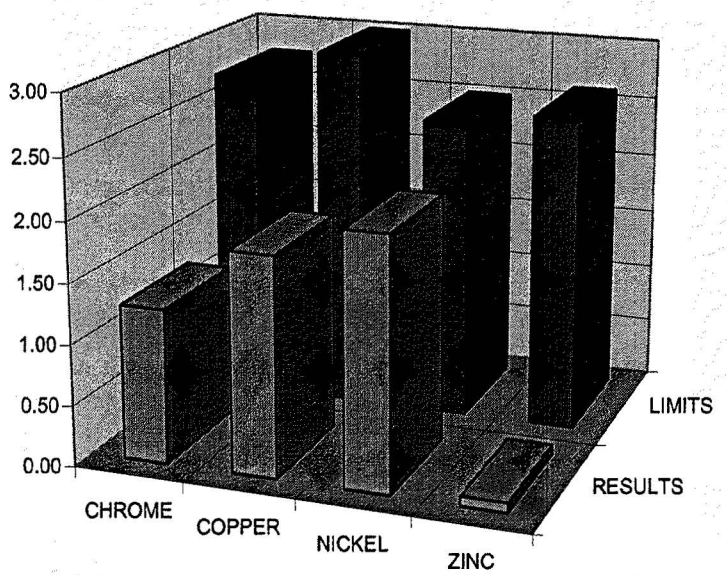
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage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

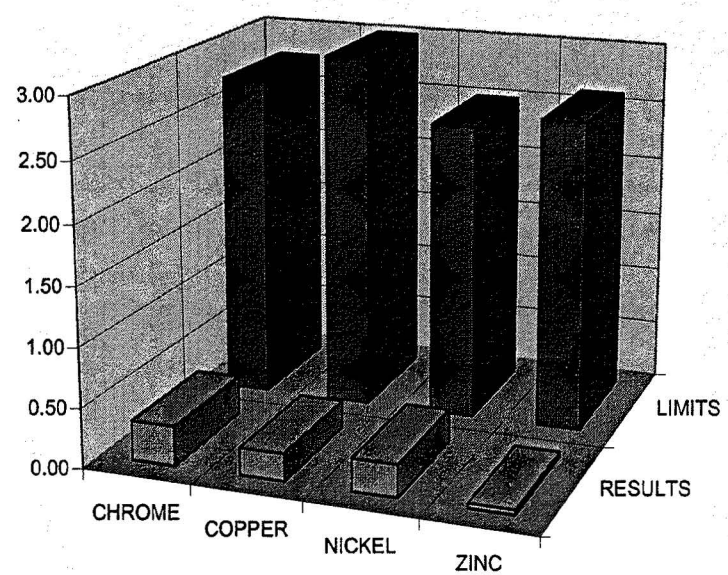
PLEASE CIRCLE ALL PERMIT VIOLATIONS

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

JULY
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
JULY 13, 2006
COMPOSITE M99239



ALASKAN COPPER WORKS
3200 FACILITY
JULY 29, 2006
COMPOSITE M99388

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	1.27	1.81	2.07	0.08
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.33	0.23	0.27	0.04
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	7-3	7 AM	7.0	16	11.07	9.43	—	—	970	25	123	123	115				
		3 PM	7.0	13	10.50	10.28	—	—	1243	21	123	113	128				
		11PM	6.1	10	11.48	10.03	—	—	1826	71	119	117	126				
TUESDAY	7-4	7 AM	5.9	10	10.19	9.67	—	—	1826	78	123	114	85				4th
		3 PM	5.9	7	10.71	9.73	—	—	1074	28	119	111	123				
		11PM	4.9	3	9.58	9.78	—	—	2025	76	121	116	135				
WEDNESDAY	7-5	7 AM	4.6	5	11.35	9.76	—	—	2025	83	125	110	114				
		3 PM	4.1	2	10.08	9.98	—	—	725	27	119	111	128				OAKITE TANK HIGH
		11PM	3.9	14	11.08	10.31	—	—	1312	60	126	113	140				
THURSDAY	7-6	7 AM	3.9	14	11.65	10.43	—	—	1312	67	119	106	114				
		3 PM	2.5	10	10.40	10.44	—	—	628	48	123	113	126				
		11PM	2.3	9	9.92	10.16	—	—	1193	77	118	122	124				
FRIDAY	7-7	7 AM															
		3 PM															
		11PM															
SATURDAY	7-8	6:00	2.3	9	11.78	10.09	—	—	1193	81	116	110	108				
			2.3	8	10.87	10.07	—	—	414	0	128	114	104				
SUNDAY																	

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

AKC-0007331

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	7/10	7 AM	2.3	8	11.54	9.76	—	—	1014	8	124	110	115				
		3 PM	1.2	5	10.19	10.50	—	—	1000	54	122	111	127				
		11PM	0.7	3	11.10	10.37	—	—	1622	91	120	115	128				
TUESDAY	7/11	7 AM	.7	3	10.27	10.10	—	—	1624	99	126	111	106				
		3 PM	29.9	20	9.50	9.91	—	—	578	29	118	107	126				
		11PM	29.7	17	10.62	9.96	—	—	1093	73	124	111	126				
WEDNESDAY	7/12	7 AM	29.5	17	11.52	9.99	—	—	1093	81	120	106	105				
		3 PM	28.2	15	10.20	10.16	—	—	669	57	124	108	127				
		11PM	27.1	10	10.07	9.94	—	—	1831	133	121	110	122				
THURSDAY	7/13	7 AM	27.1	9	9.69	9.80	—	—	2018	137	125	106	106				
		3 PM	26.1	7	9.98	9.87	—	—	603	39	121	109	102				
		11PM	25.6	6	11.41	9.61	—	—	2279	87	124	118	123				
FRIDAY	7/14	7 AM	25.3	7	9.74	9.38	—	—	2278	105	117	105	106				
		3 PM	24.8	5	9.77	9.5	—	—	835	8	110	100	128				
		11PM	24.6	2	10.48	9.28	—	—	1302	37	106	97	126				
SATURDAY	7/15	800	24.6	2	9.76	9.52	—	—	1302	37	102	92	105				
		1200	23.8	14	9.84	9.61	—	—	1906	72	100	91	99				
SUNDAY																	

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AKC-0007332

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	7/17	7 AM	23.5	14	9.82	9.61	—	—	1906	97	128	92	109				
		3 PM	23.0	8	10.44	9.62	—	—	894	34	119	95	128				
		11PM	22.5	2	11.25	9.50	—	—	2242	84	118	100	122				
TUESDAY	7/18	7 AM	27.0	2	10.52	9.88	—	—	2212	105	121	97	105				
		3 PM	21.5	14	11.07	9.61	—	—	960	40	121	101	127				
		11PM	21.0	13	11.62	9.67	—	—	1452	67	126	104	124				
WEDNESDAY	7/19	7 AM	21.0	13	11.92	9.96	—	—	1567	71	110	93	111				
		3 PM	20.5	10	10.94	10.42	—	—	981	43	121	103	129				
		11PM	20.0	8	10.03	10.28	—	—	1687	78	127	105	117				
THURSDAY	7/20	7 AM	19.5	10	11.20	10.05	—	—	1687	87	120	99	106				
		3 PM	19.2	7	11.52	10.06	—	—	600	24	115	96	118				
		11PM	18.3	3	9.83	10.03	—	—	1608	66	109	94	128				
FRIDAY	7/21	7 AM	18.3	3	10.04	9.86	—	—	1608	77	105	91	130				
		3 PM	16.7	14	10.15	9.67	—	—	985	5	126	97	112				
		11PM	15.8	8	11.01	9.62	—	—	2091	54	120	103	129				
SATURDAY	7/22	900	15.7	8	10.54	9.98	—	—	2091	54	115	99	131				
		4:30	14.6	5	11.50	10.11	—	—	1166	109	108	97	121				
SUNDAY																	

AKC-0007333

\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	7/24	7 AM	14.5	19	11.33	9.53	–	–	1166	122	123	110	98				
		3 PM	13.3	12	10.78	9.91	–	–	1416	14	118	102	92				
		11PM	12.7	8	11.63	9.96	–	–	1961	53	112	99	128				
TUESDAY	7/25	7 AM	12.8	8	11.21	10.22	–	–	1961	59	107	96	125				Forgot to reset flow & cycles
		3 PM	11.5	3	10.66	10.70	–	–	2729	112	115	98	120				
		11PM	10.5	10	11.28	10.32	–	–	3845	149	120	97	128				
WEDNESDAY	7/26	7 AM	10.5	10	10.50	10.15	–	–	1884 / 3845	90 / 149	116	95	124				27 3845 1961 1884
		3 PM	9.2	5	10.03	10.36	–	–	709	35	122	97	110				
		11PM	8.4	2	9.78	10.21	–	–	1169	59	113	94	129				
THURSDAY	7/27	7 AM	8.5	2		10.08	–	–	1169	61	108	90	124				
		3 PM	8.0	11	11.39	9.92	–	–	1313	43	125	96	108				
		11PM	7.5	8	10.13	10.00	–	–	2290	81	114	93	128				
FRIDAY	7/28	7 AM	7.5	8	11.51	10.48	–	–	2290	90	107	90	123				
		3 PM	7.3	5	10.81	10.54	–	–	988	32	128	95	108				
		11PM	6.2	3	11.58	10.17	–	–	1647	67	114	92	128				
SATURDAY	7/29	8am	6.2	3	10.72	9.97	–	–	1647	74	107	89	119				
		1200	5.6	2	11.20	9.98	–	–	2278	106	104	88	110				
SUNDAY																	

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AKC-0007334