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-0007012

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

Please Specify Month & Year: **Month** MARCH **2007** **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	C	10.7	11.2		.53	.19			.35		.04				3264	
2		9.9	10.4												1302	
3		10.4	10.5												1478	
4		-------	-------												----------	
5		10.0	10.2												2865	
6		10.3	10.7												1385	
7		10.2	10.3												1548	
8		9.9	10.2												1267	
9	C	9.7	9.9		.31	.10			.19		.05				2598	
10		9.7	10.2												3673	
11		9.8	10.1												1648	
12		9.8	10.9												1098	
13		9.9	10.9												2992	
14		10.1	10.4												4189	
15	G	10.2	10.7		.25	.82			.18		.01				4886	
16	C	11.0	11.2		.61	.19			.48		.01				3860	
17		10.8	10.9												1643	
18		-------	-------												----------	
19		9.6	10.8												808	
20		9.5	10.3												2763	
21		9.9	10.5												1866	
22	C	10.5	11.2		.73	.18			.61		.03				2345	
23		10.9	11.0												2595	
24		-------	-------												----------	
25		-------	-------												----------	
26		10.4	10.5												1753	
27		10.2	10.3												1585	
28		9.8	10.5												2792	
29		9.6	9.8												2553	
30		9.6	9.8												2106	
31		9.4	10.0												2090	

Monthly Min pH	9.4	& Date	3-31	Total Monthly Flow (gallons)	59092
Monthly Max pH	11.2	& Date	3-22	Maximum Daily Flow	4886 & Date 3-15

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.

4-9-07
Date

Signature of Principal Executive or Authorized Agent
GERALD A. THOMPSON

PLEASE CIRCLE ALL PERMIT VIOLATIONS

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

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AKC-0007013

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

Please Specify Month & Year: **Month** MARCH **2007**

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																
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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.

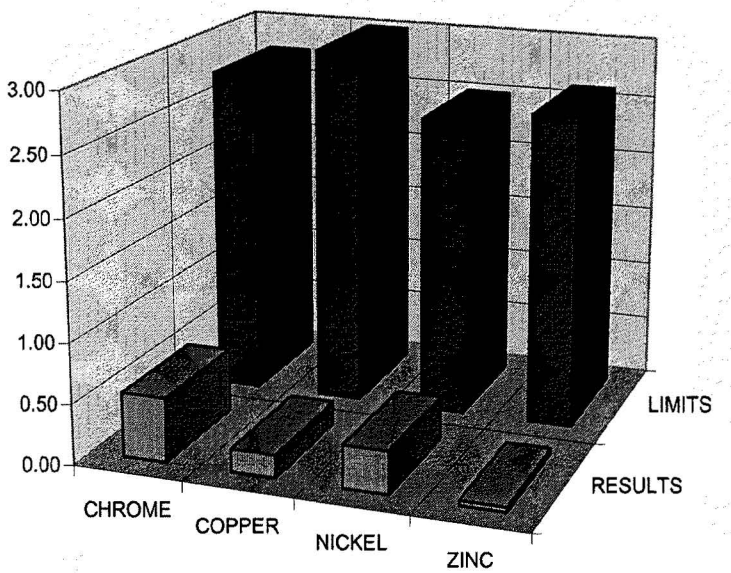
Signature of Principal Executive or Authorized Agent

4-9-07
Date

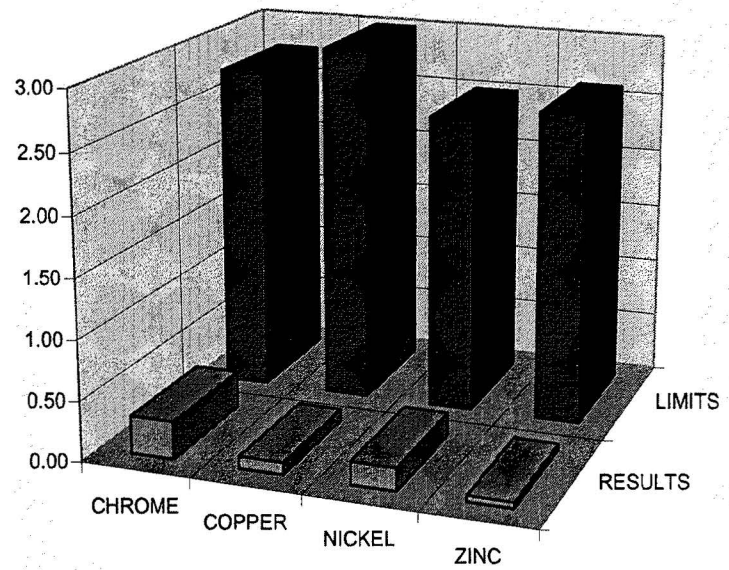
PLEASE CIRCLE ALL PERMIT VIOLATIONS

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

MARCH
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
MARCH 1, 2007
COMPOSITE M115847



ALASKAN COPPER WORKS
3200 FACILITY
MARCH 8, 2007
COMPOSITE M115910

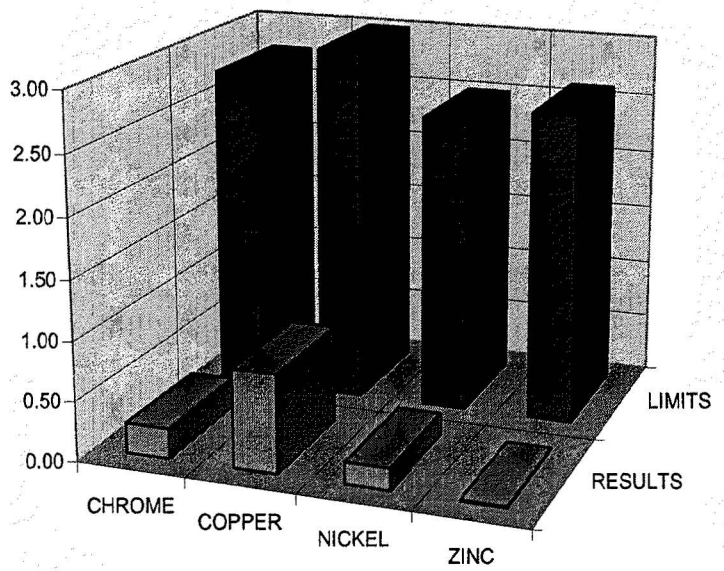
VISUAL REPRESENTATION OF THE LAB RESULTS

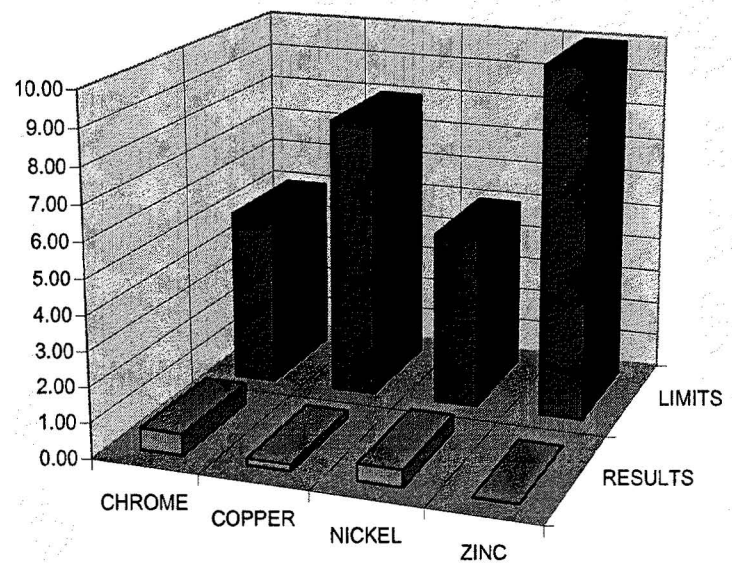
NOTE: ALL LABORATORY RESULTS HAVE BEEN CHANGED FROM **ppb** TO **ppm** FOR REPORTING PURPOSES

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.53	0.19	0.35	0.04
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.31	0.10	0.19	0.05
LIMITS	2.75	3.00	2.50	2.61

MARCH
METRO LIMITS





ALASKAN COPPER WORKS
3200 FACILITY
MARCH 15, 2007
GRAB M115956

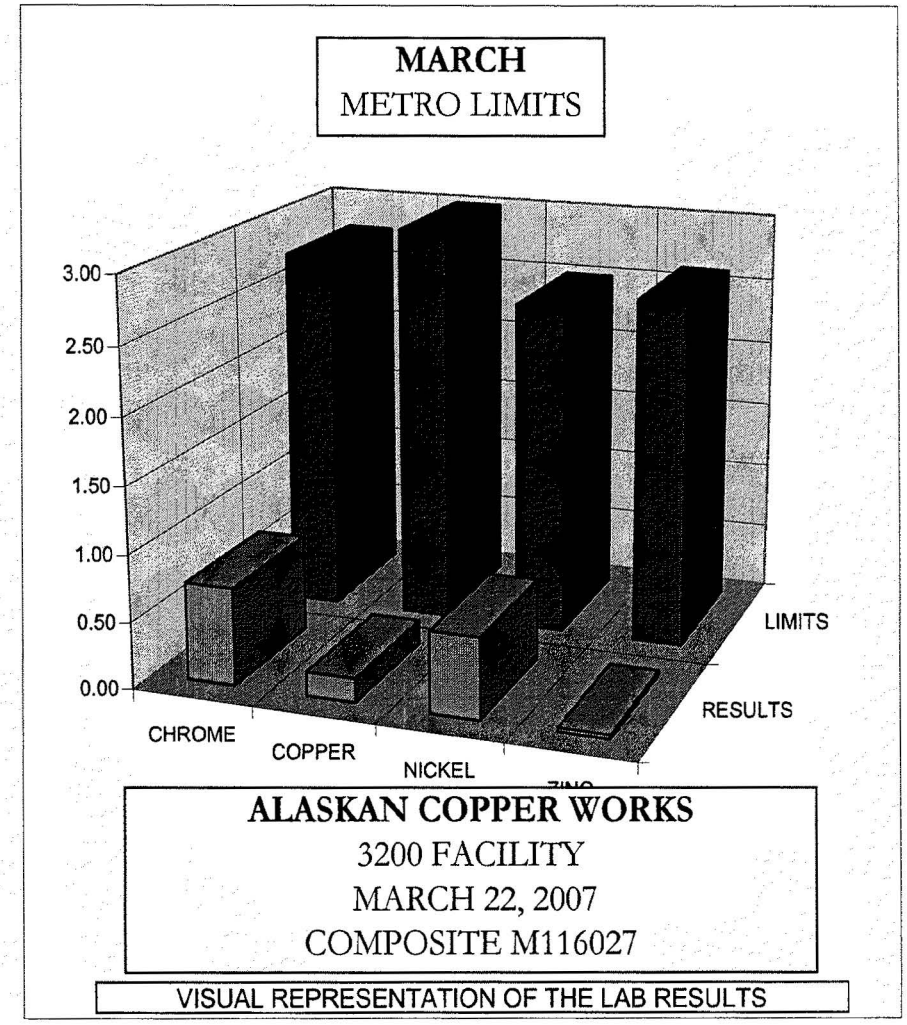
ALASKAN COPPER WORKS
3200 FACILITY
MARCH 16, 2007
COMPOSITE M00040

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	0.25	0.82	0.18	0.01
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.61	0.19	0.48	0.01
LIMITS	5.00	8.00	5.00	10.00



	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.73	0.18	0.61	0.03
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	3/5	7 AM	5.5	3	9.85	10.04	—	—	~~2865~~ ~~1346~~	~~52~~ 152	118	118	114				3/3 ~~1346~~ 1478 2865
		3 PM	5.0	14	10.77	10.09	—	—	774	21	125	115	126				
		11PM	4.4	12	10.62	10.22	—	—	1185	52	123	119	109				
TUESDAY	3/6	7 AM	4.4	13	9.62	10.38	—	—	1385	57	125	114	112				Sm. Tank Temp Probe Broken
		3 PM	4.1	10	10.27	10.74	—	—	910	32	118	68	125				
		11PM	3.8	7	11.50	10.44	—	—	1548	76	119	115	108				
WEDNESDAY	3/7	7 AM	3.3	7	10.96	10.35	—	—	1548	95	111	113	115				
		3 PM	3.0	6	9.79	10.23	—	—	861	39	106	119	127				
		11PM	2.8	3	9.80	10.35	—	—	1247	66	101	128	107				
THURSDAY	3/8	7 AM	2.6	3	9.94	10.13	—	—	1267	89	96	122	111				
		3 PM	2.3	12	9.76	10.23	—	—	1403	51	92	121	125				
		11PM	1.8	8	9.79	9.93	—	—	2129	81	88	122	105				
FRIDAY	3/9	7 AM	1.8	10	10.00	9.98	—	—	2578	85	85	120	113				
		3 PM	0.8	10	10.70	9.92	—	—	2949	67	82	120	122				
		11PM	0.5	4	10.07	9.79	—	—	3673	111	95	121	105				
SATURDAY	3/10	7:00	0.2	4	11.19	9.74	—	—	3673	122	92	121	91				Forgot To Reset
			0.0	16	9.76	10.29	—	—	5221	176	105	119	113				
SUNDAY	3/11	7:00	1.0	16	10.50	9.86	—	—	~~1648~~ 5221	215	100	104	105				
		11:00	1.0	14	10.94	10.11	—	—	1098	14	104	108	112				

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

AKC-0007017

AKC-0007018

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	3-12	7 AM	1.0	14	4.93	9.84	—	—	1098	21	121	121	114				
		3 PM	.7	7	9.84	10.86	—	—	1637	21	124	116	124				
		11PM	0.2	5	9.58	10.96	—	—	2289	57	115	107	104				
TUESDAY	3/13	7 AM	.2	3	10.10	10.07	—	—	2552	74	115	104	106				
		3 PM	6.0	14	9.72	10.95	—	—	1221	31	106	96	122				
		11PM	6.0	8	10.54	9.96	—	—	4189	64	102	101	105				
WEDNESDAY	3/14	7 AM	5.7	7	10.11	10.10	—	—	4189	87	95	90	109				
		3 PM	5.5	2	9.62	10.16	—	—	2655	41	92	91	122				3860 844 / 3016 503 / 3519
		11PM	4.7	16	10.10	10.41	—	—	4886	88	92	89	104				
THURSDAY	3/15	7 AM	4.4	17	11.05	10.37	—	—	4886	109	85	85	103				Gallons 844 11:30 PH 10.51
		3 PM	4.1	13	10.13	10.76	—	—	1599	49	100	84	118				
		11PM	3.9	8	11.51	10.27	—	—	3341	100	110	84	102				Small Tank NOT Working 84°
FRIDAY	3/16	7 AM	3.4	7	10.09	11.00	—	—	3860	113	111	83	104				
		3 PM	3.0	4	10.23	11.00	—	—	872	29	117	84	120				
		11PM	2.8	18	9.90	11.02	—	—	1643	78	124	89	105				
SATURDAY	3/17	8:00	2.8	17	11.60	10.99	—	—	1643	93	116	85	94				
		4:00	2.3	16	11.58	10.81	—	—	808	34	121	90	112				
SUNDAY																	

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

AKC-0007019

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° DAKITE TANK	REVETMENT LARGE RINSE	REVETMENT LARGE ACID	REVETMENT SMALL TANKS	COMMENTS,PROBLEMS,& REMARKS (W/O#)
MONDAY	3/19	7 AM	2.3	16	11.32	10.38	—	—	808	52	123	89	111				
		3 PM	1.8	11	10.14	10.84	—	—	1324	7?	123	90	125				
		11PM	1.3	7	9.96	9.60	—	—	2763	44	122	93	105				
TUESDAY	3/20	7 AM	1.3	7	10.03	9.51	—	—	2763	62	120	90	104				
		3 PM	6.7	17	10.28	10.31	—	—	967	45	124	91	118				
		11PM	6.4	15	11.61	10.35	—	—	1699	95	123	90	98				
WEDNESDAY	3/21	7 AM	6.4	15	10.05	9.57	—	—	1866	105	116	85	104				
		3 PM	6.0	11	11.88	9.96	—	—	1188	37	118	88	119				
		11PM	5.5	9	10.38	10.50	—	—	2111	75	122	89	100				
THURSDAY	3/22	7 AM	5.5	9	11.49	10.52	—	—	2345	86	115	85	106				
		3 PM	5.2	7	10.32	10.87	—	—	891	40	116	86	122				
		11PM	4.4	5	9.61	11.20	—	—	1959	83	121	88	103				
FRIDAY	3/23	7 AM	4.4	5	10.51	10.96	—	—	2595	88	119	85	108				
		3 PM	3.9	15	11.23	11.06	—	—	248	33	125	88	123				
		11PM	3.4	12	10.56	11.01	—	—	781	62	126	91	106				
SATURDAY																	
SUNDAY																	

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

AKC-0007020

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	3/26	7 AM	3.4	13	10.66	10.55	—	—	1753	70	117	79	74				
		3 PM	2.9	11	9.56	10.44	—	—	588	25	120	84	100				
		11PM	2.6	8	10.54	10.42	—	—	1233	57	123	83	88				
TUESDAY	3/27	7 AM	2.3	8	11.85	10.38	—	—	1585	80	118	80	95				Boiler off to work
		3 PM	2.4	7	10.36	10.27	—	—	680	8	112	78	111				Steam valves – Boiler
		11PM	1.8	18	10.41	10.25	—	—	1881	41	123	82	94				Back on 1:30
WEDNESDAY	3/28	7 AM	1.3	16	10.07	10.59	—	—	2792	55	121	80	103				
		3 PM	1.3	13	9.60	10.25	—	—	865	22	126	83	114				
		11PM	0.8	6	10.24	9.84	—	—	2216	61	120	86	97				
THURSDAY	3/29	7 AM	.8	5	9.78	9.82	—	—	2553	73	115	82	100				
		3 PM	.5	2	9.79	9.69	—	—	917	40	118	115	116				
		11PM	.3	16	10.75	9.71	—	—	2706	90	119	126	100				
FRIDAY	3/30	7 AM	19.8	17	10.72	9.68	—	—	2106	122	121	113	105				
		3 PM	19.8	16	9.72	9.87	—	—	1283	45	114	125	119				
		11PM	19.3	14	9.76	9.66	—	—	2090	93	119	121	101				
SATURDAY	3/31	8 AM	19.4	14	11.06	9.49	—	—	2090	105	115	126	89				
		4:15	19.1	10	11.27	10.04	—	—	1420	22	112	126	110				
SUNDAY																	

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

AKC-0007021

Analysis For Total Metals By EPA Method 200.8

Client ID:	M115910	Client:	Alaskan Copper Works
Date Received:	03/08/07	Project:	PO# M115910, F&BI 703070
Date Extracted:	03/09/07	Lab ID:	703070-01
Date Analyzed:	03/09/07	Data File:	703070-01.053
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	HR

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	106	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	314
Nickel	195
Copper	107
Zinc	<50

DRAFT