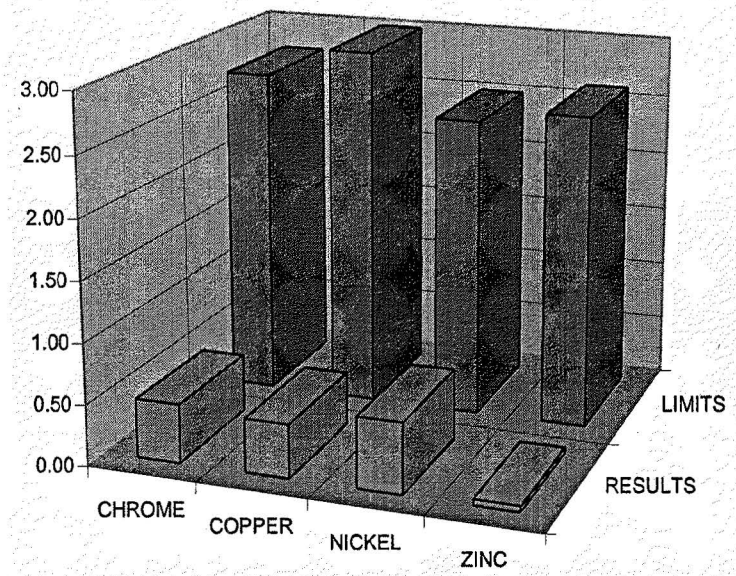
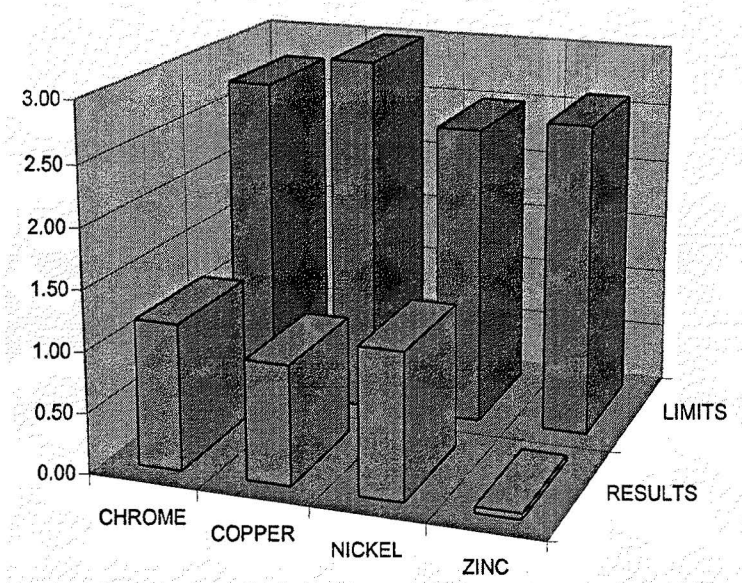
SEPTEMBER
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
SEPTEMBER 1, 2005
COMPOSITE M96908



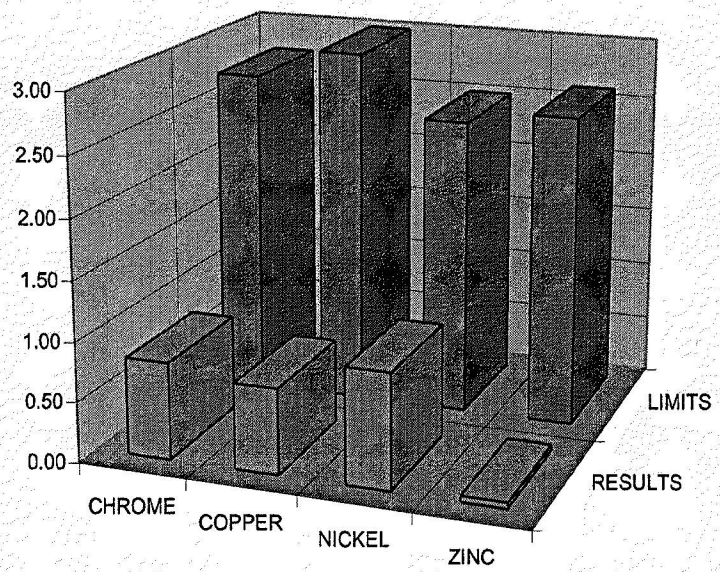
ALASKAN COPPER WORKS
3200 FACILITY
SEPTEMBER 8, 2005
COMPOSITE M106917

VISUAL REPRESENTATION OF THE LAB RESULTS

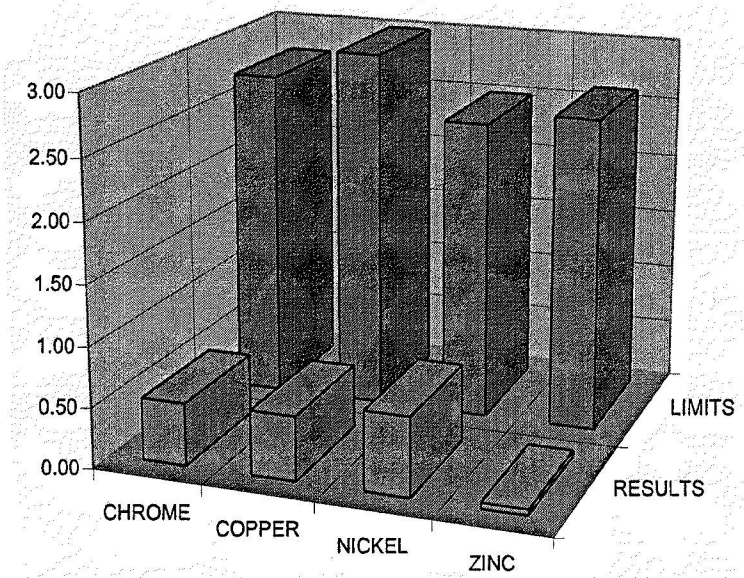
	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.48	0.44	0.58	0.05
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	1.20	0.98	1.20	0.05
LIMITS	2.75	3.00	2.50	2.61

SEPTEMBER
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
SEPTEMBER 15, 2005
COMPOSITE M97013

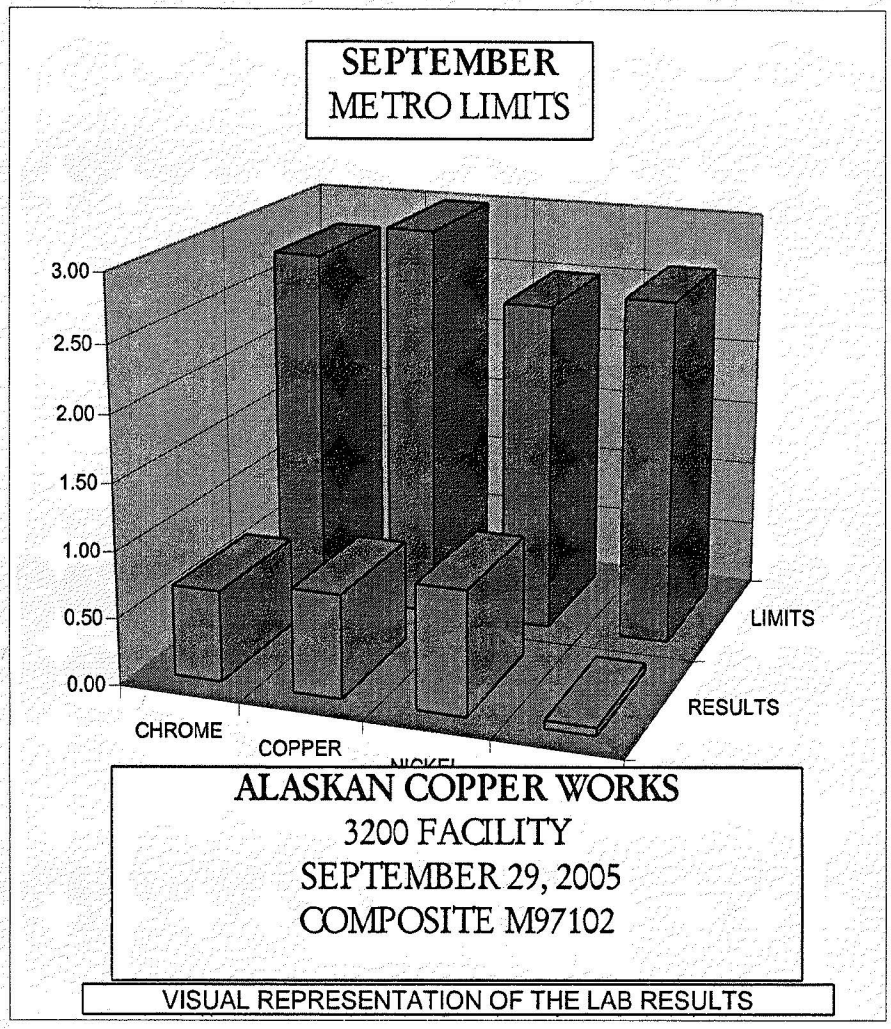


ALASKAN COPPER WORKS
3200 FACILITY
SEPTEMBER 22, 2005
COMPOSITE M106977

VISUAL REPRESENTATION OF THE LAB RESULTS

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.81	0.71	0.96	0.05
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.51	0.53	0.65	0.05
LIMITS	2.75	3.00	2.50	2.61



	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.68	0.77	0.92	0.06
LIMITS	2.75	3.00	2.50	2.61

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-0007687

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

Please Specify Month & Year: **Month** SEPTEMBER **2005**

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																
5																
6																
7																
8																
9																
10																
11																
12																
13																
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28																
29																
30																
31																

NOT IN USE THIS MONTH

Monthly Min pH		& Date	
Monthly Max pH		& Date	
Total Monthly Flow (gallons)			
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.

10/13/05

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.**

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-0007688

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

Please Specify Month & Year: **Month** SEPTEMBER **2005** **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	10.8	10.9		.48	.44			.58		.05				3025	
2		10.7	11.1												1762	
3		--------	--------												----------	
4		--------	--------												----------	
5		--------	--------												----------	LABOR DAY
6		9.7	10.6												782	
7		11.2	11.4												2171	
(8)	C	10.6	11.4		1.20	.98			1.20		.05				2283	
9		9.6	10.5												1121	
10		--------	--------												----------	
11		--------	--------												----------	
12		9.5	10.0												1626	
13		9.9	10.1												3043	
14		10.0	10.9												1604	
(15)	C	9.9	10.1		.81	.71			.96		.05				2022	
16		9.5	9.9												1872	
17		--------	--------												----------	
18		--------	--------												----------	
19		9.2	10.8												2903	
20		10.0	10.6												2061	
21		9.5	9.9												1723	
(22)	C	9.4	9.9		.51	.53			.65		.05				1812	
23		9.6	10.0												1624	
24		--------	--------												----------	
25		--------	--------												----------	
26		9.4	9.9												1909	
27		9.7	10.0												1444	
28		9.7	10.1												1723	
(29)	C	9.5	10.6		.68	.77			.92		.06				2067	
30		9.2	10.3												1297	
31		--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--	----------	----------

Monthly Min pH	9.2	& Date	9-30-05	Total Monthly Flow (gallons)	39890
Monthly Max pH	11.4	& Date	9-8-05	Maximum Daily Flow	3043 & Date 9-13

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.

10/18/05
Date

Signature of Principal Executive or Authorized Agent

PLEASE CIRCLE ALL PERMIT VIOLATIONS

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

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	9/5	7 AM															
		3 PM		L	A	B	O	R		D	A	Y					
		11PM															
TUESDAY	9/6	7 AM	15.1	12	10.58	9.75	–	–	782	18	123	123	90				
		3 PM	14.3	7	9.73	10.50	–	–	1356	64	121	124	127				
		11PM	14.1	2	9.74	10.62	–	–	2171	88	128	123	128				
WEDNESDAY	9/7	7 AM	14.1	2	11.09	11.22	–	–	2274	88	128	122	119				
		3 PM	13.0	14	10.28	11.40	–	–	1810	14	125	122	128				
		11PM	12.2	12	12.21	11.31	–	–	2283	138	120	124	124				
THURSDAY	9/8	7 AM	12.0	12	11.80	11.18	–	–	2283	138	126	122	115				
		3 PM	11.7	7	9.83	11.42	–	–	615	24	124	120	130				
		11PM	11.7	4	10.53	10.64	–	–	1121	32	120	124	127				add 30
FRIDAY	9/9	7 AM	11.5	4	10.67	10.52	–	–	11.21	32	124	125	116				Had to Reset flow stack
		3 PM	10.7	2	9.63	9.67	–	–	1218	48	118	123	122				
		11PM	10.1	15	11.40	9.78	–	–	1626	55	125	121	122				
SATURDAY																	
SUNDAY																	

AKC-0007681

..\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	9/12	7 AM	10.4	14	11.04	9.58	—	—	1626	70	118	124	121				
		3 PM	10.1	10	10.15	10.06	—	—	2873	24	118	124	125				
		11PM	9.8	10	9.55	9.96	—	—	3043	41	120	122	125				
TUESDAY	9/13	7 AM	9.9	10	10.80	9.94	—	—	3043	49	122	119	116				
		3 PM	9.1	5	10.73	10.17	—	—	1604	50	126	126	130				
		11PM	9	4	11.48	10.16	—	—	1604	58	121	131	126				
WEDNESDAY	9/14	7 AM	8.8	4	9.98	10.05	—	—	1609	64	122	117	115				
		3 PM	8.0	15	11.04	10.13	—	—	1793	59	124	121	128				
		11PM	7.7	14	9.94	10.91	—	—	2022	74	119	124	121				
THURSDAY	9/15	7 AM	7.5	14	9.90	9.97	—	—	2022	111	118	118	114				
		3 PM	6.5	12	10.13	10.13	—	—	1872	49	128	120	130				
		11PM	6.5	10	10.75	10.11	—	—	1872	59	125	126	130				
FRIDAY		7 AM	5.9	8	10.62	9.95	—	—	1872	81	126	122	109				
		3 PM	5.4	3	9.97	9.50	—	—	2231	55	123	122	128				
		11PM	5.4	16	12.12	9.37	—	—	2903	73	118	125	N/A				OAKITE PROBE FAILED.
SATURDAY																	
SUNDAY																	

AKC-0007690

..\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	9/19	7 AM	5.2	16	11.22	9.25	—	—	2903	81	127	118					
		3 PM	4.4	13	9.77	10.41	—	—	1268	44	119	123					
		11PM	3.9	10	9.52	10.85	—	—	2061	58	120	118					
TUESDAY	9/20	7 AM	3.9	10	10.00	10.68	—	—	2061	65	123	121					Forgot to Reset Cycles
		3 PM	2.8	7	9.76	10.44	—	—	1174	124	121	121					
		11PM	2.5	5	10.06	10.01	—	—	1739	147	126	125					6 171 65 106
WEDNESDAY	9/21	7 AM	2.3	5	11.00	9.92	—	—	1739	106 171	124	122	121				
		3 PM	1.5	18	9.57	9.58	—	—	974	54	125	122	122				
		11PM	1.3	15	9.60	[redacted]	9.53 —	—	1812	67	119	120	118				-Mix tank 11.50!
THURSDAY	9/22	7 AM	1.3	15	10.39	9.41	—	—	1812	80	105	109	119				
		3 PM	.06	12	11.48	9.80	—	—	1419	57	119	118	126				
		11PM	.5	10	11.99	9.82	—	—	1624	60	118	122	123				
FRIDAY	9/23	7 AM	.2	10	10.50	9.69	—	—	1624	78	122	119	122				
		3 PM	12.5	7	10.91	10.00	—	—	1736	51	120	119	123				
		11PM	12.5	3	9.72	9.83	—	—	1909	65	124	124	122				
SATURDAY																	
SUNDAY																	

AKC-0007691

..\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	9/26	7 AM	12.2	2	9.99	9.47	—	—	1909	73	120	128	128				
		3 PM	11.7	15	12.20	9.96	—	—	1444	34	123	128	126				
		11PM	11.4	15	11.81	9.87	—	—	1444	40	128	122	120				PH too High all night!
TUESDAY	9/27	7 AM	11.2	15	10.89	9.79	—	—	1444	47	121	120	121				
		3 PM	10.6	12	12.27	9.95	—	—	1193	42	119	122	130				
		11PM	10.4	11	12.22	10.03	—	—	1458	49	120	120	119				Flowmeter 265+1193=1458 Cycles 7+42
WEDNESDAY	9/28	7 AM	10.1	11	11.73	9.95	—	—	265	23	125	123	119				
		3 PM	9.6	8	9.77	10.11	—	—	1468	52	127	119	126				
		11PM	9.1	7	12.22	9.79	—	—	2067	68	121	127	121				
THURSDAY	9/29	7 AM	9.1	7	9.85	9.56	—	—	2067	77	123	120	124				
		3 PM	8.6	5	11.32	10.60	—	—	1131	22	123	118	130				
		11PM	8.3	2	11.75	10.60	—	—	1131	39	126	123	118				PH too high all night
FRIDAY	9/30	7 AM	8.1	2	11.87	9.27	—	—	1267	0	127	120	125				
		3 PM	8.1	11	10.88	10.33	—	—	2355	16	126	123	128				
		11PM	8.1	10	11.65	10.19	—	—	2363	23	122	120	120				
SATURDAY																	
SUNDAY																	

AKC-0007692

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