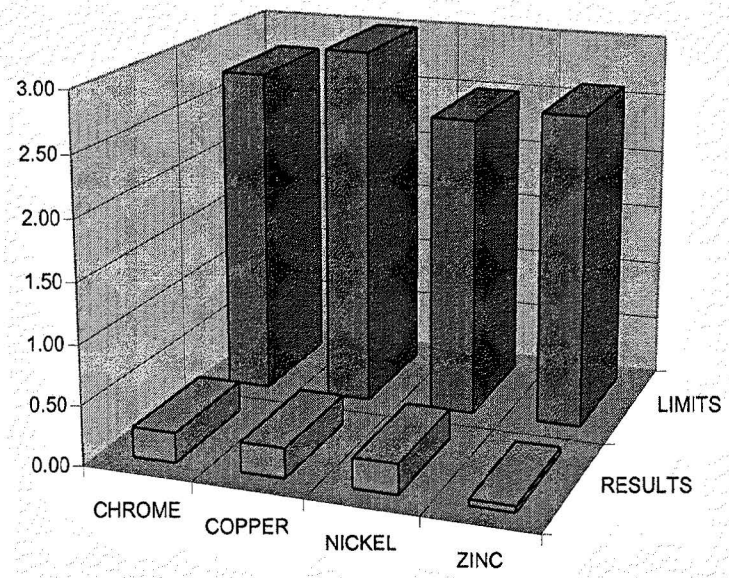
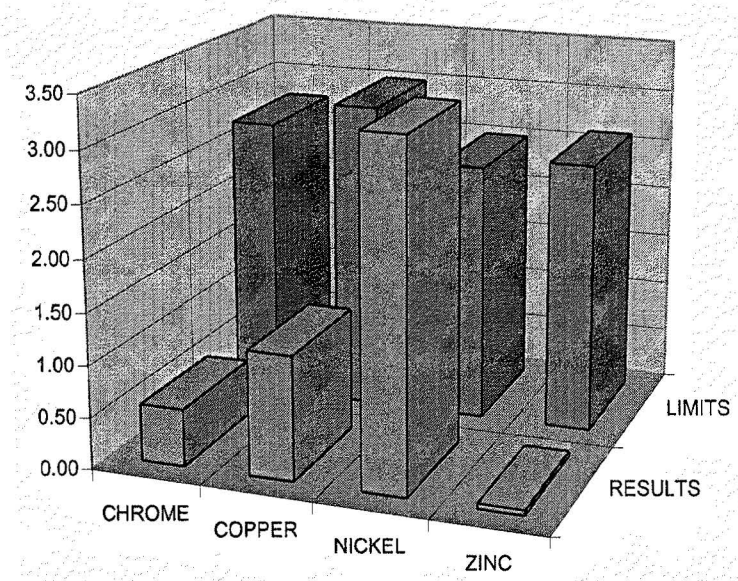
FEBRUARY
METRO LIMITS





ALASKAN COPPER WORKS
3200 FACILITY
FEBRUARY 3, 2005
COMPOSITE M95318

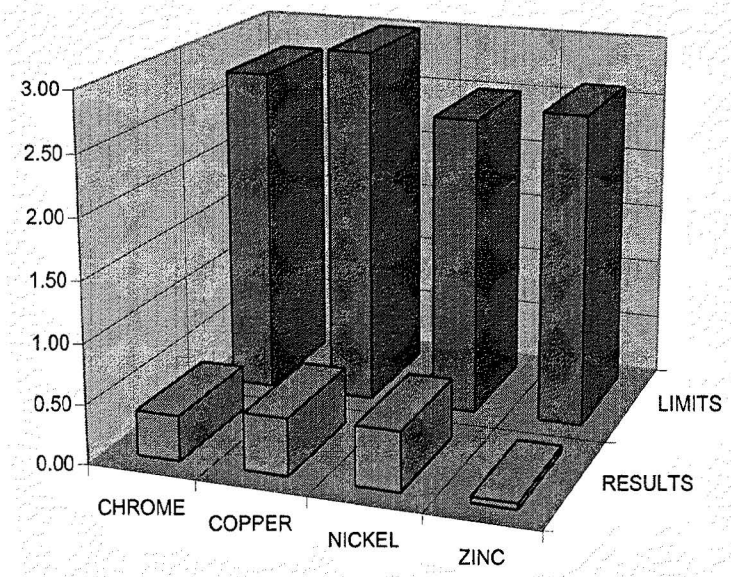
ALASKAN COPPER WORKS
3200 FACILITY
FEBRUARY 10, 2005
COMPOSITE M95378

VISUAL REPRESENTATION OF THE LAB RESULTS

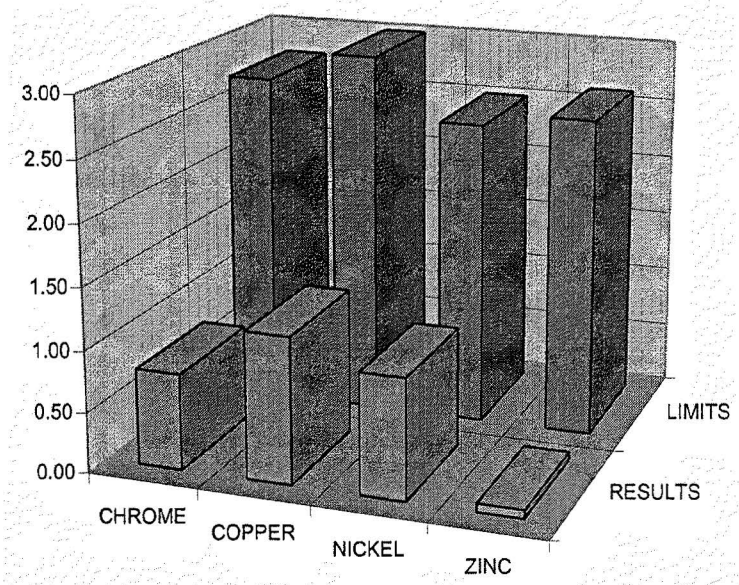
	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.25	0.25	0.25	0.05
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.55	1.20	3.30	0.05
LIMITS	2.75	3.00	2.50	2.61

FEBRUARY
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
FEBRUARY 17, 2005
GRAB M105788



ALASKAN COPPER WORKS
3200 FACILITY
FEBRUARY 24, 2005
COMPOSITE M95500

VISUAL REPRESENTATION OF THE LAB RESULTS

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.38	0.48	0.50	0.05
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.79	1.20	0.99	0.07
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	2/21	7 AM	5.2	14	10.47	9.54	—	—	1360	84	112	122	98				
		3 PM	4.9	14	10.07	9.79	—	—	485	35	114	115	129				
		11PM	4.4	12	9.57	10.02	—	—	1674	91	107	113	107				
TUESDAY	2/22	7 AM	4.2	12	10.86	9.92	—	—	1800	98	101	107	127				Singed to Passed Cycles
		3 PM	5.6 ?	10	9.68	9.96	—	—	769	7?	103	124	125				? = Reading Book tells you I Pumped CAUSTIC In Barrell
		11PM	5.4	9	9.81	9.92	—	—	1519	47	113	121	105				
WEDNESDAY	2/23	7 AM	5.5	8	9.50	9.88	—	—	1574	50	109	108	123				
		3 PM	4.6	7	10.64	9.94	—	—	1120	64	110	121	126				
		11PM	4.4	5	10.04	10.05	—	—	2253	97	119	121	106				
THURSDAY	2/24	7 AM	4.4	5	9.96	10.05	—	—	2253	100	109	111	123				
		3 PM	3.3	20	11.15	9.98	—	—	686	12	103	113	128				
		11PM	3.0	18	9.56	10.04	—	—	1486	32	113	118	109				
FRIDAY	2/25	7 AM	3.0	17	9.76	10.02	—	—	1486	35	102	115	126				
		3 PM	2.8	16	10.80	10.07	—	—	482	17	116	119	127				
		11PM	2.3	15	9.94	10.06	—	—	1423	61	123	118	108				
SATURDAY																	
SUNDAY																	

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

AKC-0007966

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	2/14	7 AM	8.6	10	9.7	9.4	\	\	1377	39	77	79	100				
		3 PM	8.2	10	9.77	9.81	—	—	075	10	85	102	126				
		11PM	8.0	9	9.94	9.83	—	—	1111	40	98	121	102				
TUESDAY	2/15	7 AM	8.0	9	10.00	9.79	—	—	1221	42	99	105	125				
		3 PM	8.0	8	10.54	9.81	—	—	422	28	101	118	130				
		11PM	7.5	7	9.59	9.84	—	—	1303	66	109	124	106				
WEDNESDAY	2/16	7 AM	7.5	7	9.71	9.82	—	—	1386	68	107	121	117				
		3 PM	7.2	7		9.85	—	—	433	1?	112	119	130				
		11PM	6.7	6	9.72	9.81	—	—	1444	42	119	121	107				
THURSDAY	2/17	7 AM	6.8	6	10.35	9.86	—	—	1444	48	113	118	120				
		3 PM	6.2	5	9.75	9.92	—	—	671	51?	103	117	123				
		11PM	6.0	2	9.68	9.91	—	—	1486	95	114	118	106				
FRIDAY	2/18	7 AM	6.0	2	9.94	9.88	—	—	1486	98	106	114	122				
		3 PM	5.6	17	11.77	9.83	—	—	351	36	122	113	126				
		11PM	5.2	14	10.14	9.73	—	—	1148	71	125	118	106				
SATURDAY																	
SUNDAY																	

AKC-0007967

..\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	2/2	7 AM	11.2	10	9.94	10.14	–	–	1086	70	79	79	70				Boiler was Tripped WATER level was fine
		3 PM	10.9	8	9.74	9.90	–	–	918	9	87	108	112				
		11PM	10.6	7	10.88	9.49	–	–	1339	16	82	98	95				
TUESDAY	2/8	7 AM	10.6	7	10.36	9.50	–	–	1521	22	82	62	128				
		3 PM	10.6	6	11.44	9.50	–	–	840	5	88	114	126				
		11PM	10.1	5	11.08	9.67	–	–	1745	48	102	118	108				
WEDNESDAY	2/5	7 AM	10.1	5	10.75	9.06	–	–	1545	50	98	113	121				ADD 1# TO CYCLES CAUSTIC
		3 PM	9.5	3	10.29	9.52	–	–	910	5	100	124	123				
		11PM	9.5	1	10.14	9.28	–	–	1597	31	118	121	106				
THURSDAY	2/10	7 AM	9.6	1	10.00	9.18	–	–	1804	48	110	115	119				Boiler tripped
		3 PM	9.2	14	11.37	9.23	–	–	245	0?	119	117	127				
		11PM	9.0	13	10.45	9.43	–	–	1205	0?	122	128	108				
FRIDAY	2/11	7 AM	9.1	13	9.83	9.57	–	–	1205	0	116	113	123				
		3 PM	8.7	12	10.61	9.85	–	–	421	3	124	120	126				
		11PM	8.5	10	9.86	10.02	–	–	1377	37	114	117	107				
SATURDAY																	
SUNDAY																	

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

AKC-0007968

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	1/31	7 AM	13.8	19	9.56	10.07	—	—	1208	30	80	81	105				Boiler was Tripped Acid tanks Old
		3 PM	13.6	17	10.00	10.17	—	—	821	17	89	117	129				
		11PM	13.3	17	9.81	10.21	—	—	1249	25	118	118	106				
TUESDAY	2/1	7 AM	13.1	17	9.55	10.20	—	—	1249	28	110	111	116				
		3 PM	13.1	16	12.15	10.24	—	—	424	0?	101	101	129				
		11PM	12.8	15	10.22	10.19	—	—	1307	22	111	122	111				
WEDNESDAY	2/2	7 AM	12.9	15	10.32	10.19	—	—	1307	23	113	112	124				Boiler was Tripped
		3 PM	12.6	14	10.73	10.36	—	—	669	19	122	117	124				
		11PM	12.3	12	9.67	10.25	—	—	1672	58	126	118	109				
THURSDAY	2/3	7 AM	12.3	12	9.59	10.23	—	—	1672	62	117	119	119				Boiler Tripped
		3 PM	12.1	12	10.52	10.19	—	—	656								
		11PM	11.8	12?	9.68	10.06	—	—	1280	46	122	121	108				
FRIDAY	2/4	7 AM	11.8	12	10.13	10.68	—	—	1280	48	112	113	122				WHAT'S UP WITH BOILER?
		3 PM	11.3	11	10.00	10.21	—	—	523	49	116	127	128				
		11PM	11.1	10	10.50	10.29	—	—	1086	67	127	124	110				
SATURDAY																	
SUNDAY																	

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

AKC-0007969

AREA FROM → Tank

02/09/05

SMALL PARTS

DATE	SHIFT	INIT.	JOB #	SIZE	TYPE OF FITTING	THICK	ALLOY	QUANTITY	QTY. REJECT	LETTER/DISPOSITION	SENT TO
	2nd		62364	2 7/8 X 2 3/8 OD	Red. Lateral	.083	90/10	4			INSP
			27162	9 5/8 X 8 5/8 OD	Red. TEE	.187	90/10	1			"
			62496	8 5/8 OD	Elbow LR 90	.162	T4L	3			"
			62494	10 3/4 X 4 1/2 OD	Red TEE	.165	T4L	8			"
			~~62369~~	18"	Tube 20'	3/86	T4L	4			Shipping
			81426-7		Spools			11			"
			44339-2		Tank			6			"

LEGEND (A) MATERIAL HANDLING (B) WELDS (C) COINING (D) DIMENSIONING (E) FITTING (F) FORMING (G) OTHER

#420054 15 10/96

AKC-0007970

Shift

Wrong DATE

Had 2 day Shif Repeats for the 8th with 2 Second Shift Between

AREA FROM

Red Tag

05

SMALL PARTS

	SHIFT	INIT.	JOB #	SIZE	TYPE OF FITTING	THICK	ALLOY	QUANTITY	QTY REJECT	LETTER/DISPOSITION	SENT TO
	1st	AC	27486	14 1/2"	F.F.S.O. FLANGE	150#	90/10	16			[illegible]
			26848	8 5/8" O.D	Tee	1/8	Tee	20			[illegible]
			62494	10"x4"	Tee	Sch 105	Tee	8			[illegible]
			62569	18" O.D	Pipes 20"	Sch 40	Tee	2+0			[illegible]
			628	20 OD	St 38 Rings	1/2	Tee	54			2958
			628	3" OD	St 38 Rings	1/4	Tee	54			2958

LEGEND : (A) MATERIAL HANDLING (B) WELDS (C) COINING (D) DIMENSIONING (E) FITTING (F) FORMING (G) OTHER

#423054 R10/96

AKC-000797

AREA FROM → Acid Tank

02-10-05

SMALL PARTS

DATE	SHIFT	INIT.	JOB #	SIZE	TYPE OF FITTING	THICK	ALLOY	QUANTITY	QTY REJECT	LETTER/DISPOSITION	SENT TO
			26848	2" OD	Tee	1/8	Zec	16			iwp
			62569	18" O.D	Pipe 5x14,	Sch 105	T42	2+2			Ship
			619	14" O.D	Pipe NOZZ	1/4	T6L	1			3405
			619	8 5/8 O.D	Pipe NOZZ	1/4	T6L	1			3405
			27514	10"x6"	Conc Red	Sch 105	T6L	1			iwp
			62465	8" O.D	Elbow 90	Sch 105	T	18			iwp
			26848	2 3/8 OD	Tee	1/8	Zec	20			iwp
			26848	3/4" OD	Tee	1/8	Zec	20			iwp

LEGEND : (A) MATERIAL HANDLING (B) WELDS (C) COINING (D) DIMENSIONING (E) FITTING (F) FORMING (G) OTHER

#423054 R10/96

AKC-0007972