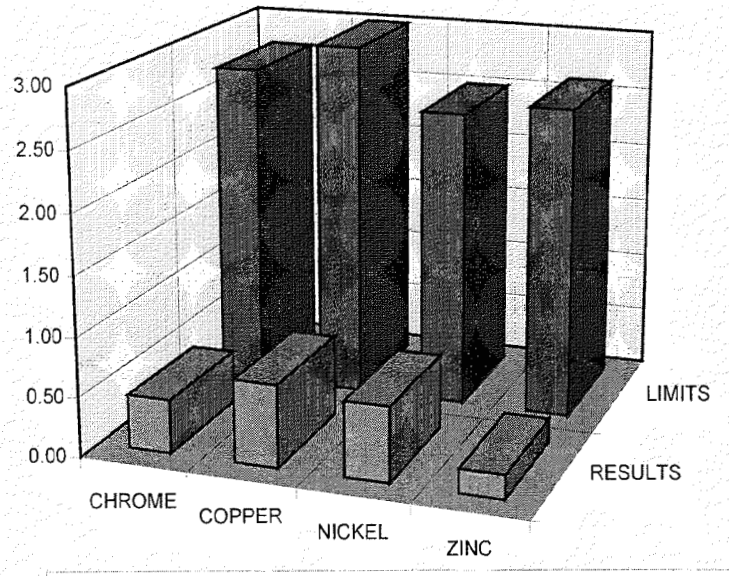
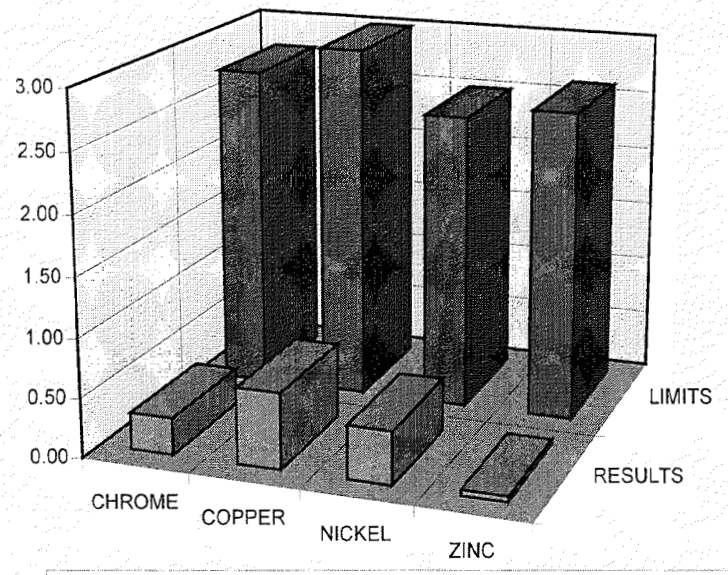
MARCH
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
MARCH 2, 2000
COMPOSITE M63671



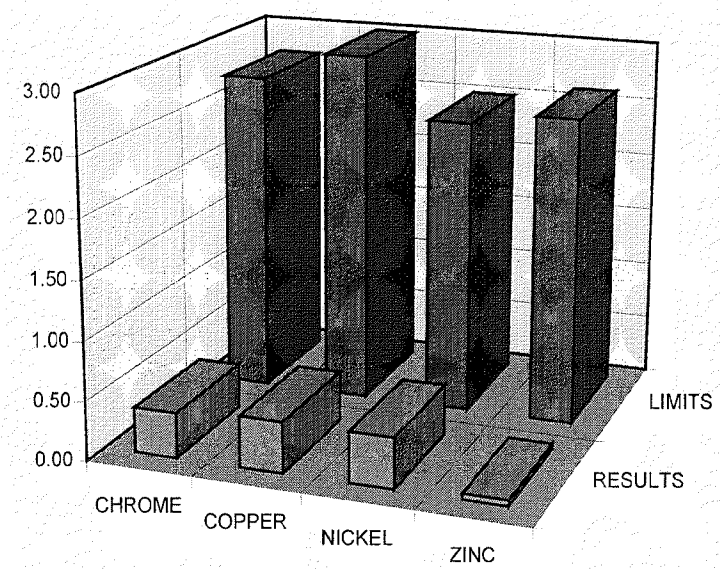
ALASKAN COPPER WORKS
3200 FACILITY
MARCH 9, 2000
COMPOSITE M63704

VISUAL REPRESENTATION OF THE LAB RESULTS

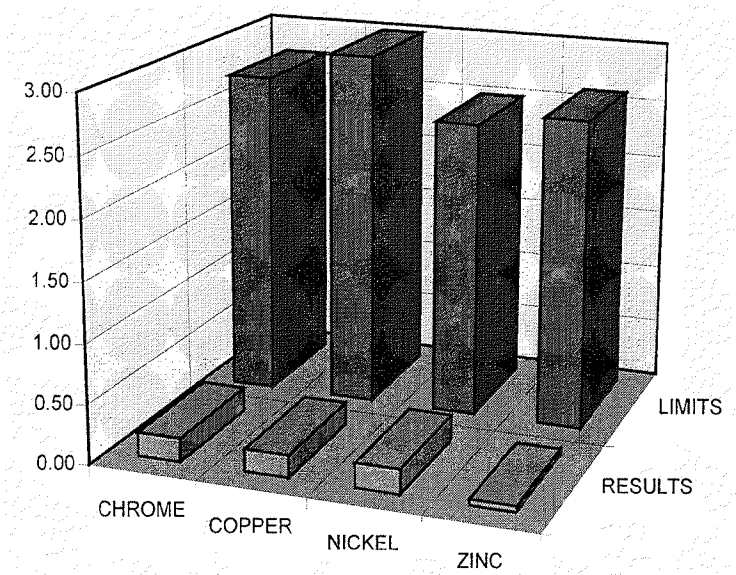
	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.45	0.69	0.63	0.20
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.31	0.64	0.45	0.05
LIMITS	2.75	3.00	2.50	2.61

MARCH
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
MARCH 16, 2000
COMPOSITE M63755

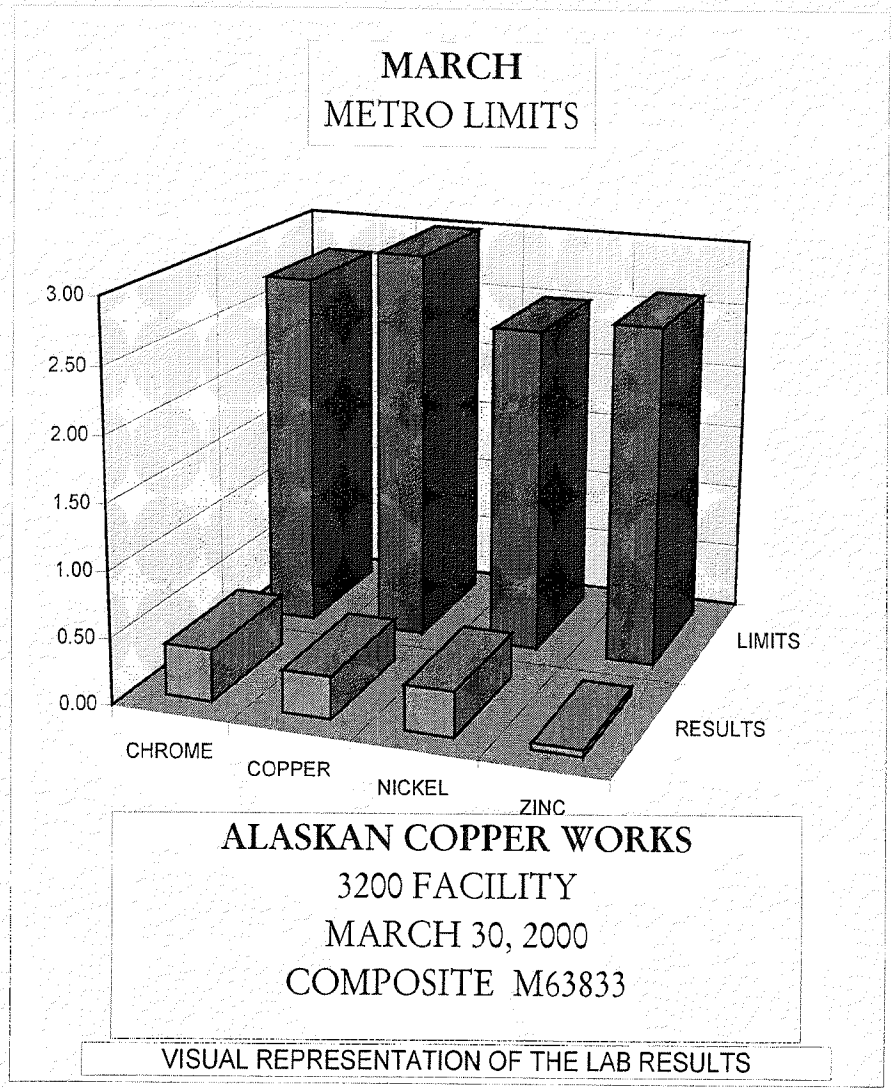


ALASKAN COPPER WORKS
3200 FACILITY
MARCH 23, 2000
COMPOSITE M63796

VISUAL REPRESENTATION OF THE LAB RESULTS

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.38	0.43	0.43	0.05
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.20	0.19	0.21	0.05
LIMITS	2.75	3.00	2.50	2.61



	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.39	0.32	0.34	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	2/28	7 AM	6.2	5	9.82	9.25	—	—	2159	150	120	117	101				
		3 PM	25.1	18	12.00	9.40	—	—	889	45	124	128	126				
		11PM	24.6	15	11.28	9.70	—	—	1693	96	121	120	125				
TUESDAY	2/29	7 AM	24.7	15	12.04	9.45	—	—	1888	100	127	123	124				
		3 PM	23.8	14	11.01	9.40	—	—	714	51	120	126	129				
		11PM	22.3	12	9.64	9.61	—	—	2258	156	127	125	127				
WEDNESDAY	7/1	7 AM	22.1	12	10.06	9.62	—	—	2465	167	122	122	125				
		3 PM	21.5	10	9.76	9.56	—	—	987	86	125	121	129				
		11PM	20.0	8	9.64	9.56	—	—	2335	122	129	123	128				
THURSDAY	7/2	7 AM	19.7	7	10.62	9.42	—	—	2527	136	122	120	128				
		3 PM	18.9	20	10.90	9.47	—	—	843	44	124	126	126				
		11PM	18.2	18	11.25	9.72	—	—	2223	109	124	128	127				
FRIDAY	7/3	7 AM	17.6	17	10.22	9.70	—	—	2223	124	120	128	127				
		3 PM	16.9	15	11.28	9.58	—	—	1045	47	123	121	129				
		11PM	16.1	13	9.64	9.87	—	—	1879	49	127	130	127				
SATURDAY																	
SUNDAY																	

AKC-0010173

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	3/6	7 AM	15.8	14	11.80	9.27	—	—	2668	62	120	118	114				
		3 PM	15.0	10	10.58	9.41	—	—	1644	45	126	124	130				
		11PM	13.7	8	9.75	9.42	—	—	2673	34?	122	123	129				
TUESDAY	3/7	7 AM	13.5	8	10.73	9.41	—	—	2879	41	125	120	125				
		3 PM	12.4	6	9.67	10.63	—	—	106	60	123	124	130				
		11PM	11.7	5	11.03	9.85	—	—	1806	47	128	129	128				
WEDNESDAY	3/8	7 AM	11.4	5	11.51	9.55	—	—	2239	66	123	124	125				
		3 PM	10.1	18	10.26	9.43	—	—	1069	79	128	125	125				
		11PM	9.6	14	10.10	9.56	—	—	2405	127	121	128	126				
THURSDAY	3/9	7 AM	9.6	14	10.24	9.55	—	—	2580	135	125	132	123				
		3 PM	8.3	11	10.01	9.53	—	—	1251	65	126	127	130				
		11PM	7.3	10	9.71	9.56			2113	139	124	124	127				
FRIDAY	3/10	7 AM	6.2	10	9.57	9.67	—	—	2579	174	124	121	124				
		3 PM	18.9	7	10.24	9.61	—	—	997	50	127	128	129				
		11PM	17.1	6	10.90	9.58	—	—	1952	119	121	131	129				
SATURDAY																	
SUNDAY																	

AKC-0010174

C:\WOTTY\500-0007 02/04/00

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	3/13	7 AM	18.2	5	10.87	9.47	—	—	2108	124	92	76	92				
		3 PM	17.0	18	9.64	9.51	—	—	969	27	94	96	129				
		11PM	16.0	15	9.32	9.94	—	—	2260	144	108	116	127				
TUESDAY	3/14	7 AM	15.8	14	10.43	9.90	—	—	2830	164	129	124	121				
		3 PM	14.8	12	10.18	9.82	—	—	1024	42	128	126	127				
		11PM	13.7	10	9.61	10.06	—	—	2310	107	123	124	127				
WEDNESDAY	3/15	7 AM	13.8	10	10.19	10.01	—	—	2454	110	126	121	120				
		3 PM	12.9	7	9.72	9.89	—	—	926	53	123	123	129				
		11PM	11.7	5	9.84	9.79	—	—	2055	135	125	122	126				
THURSDAY	3/16	7 AM	11.7	5	10.26	9.68	—	—	2306	141	124	125	123				
		3 PM	10.9	18	9.54	9.66	—	—	570	50	123	125	125				
		11PM	9.6	16	9.85	9.72	—	—	2259	148	128	130	129				
FRIDAY	3/17	7 AM	9.6	13	10.44	9.65	—	—	2422	150	124	124	124				
		3 PM	9.1	12	9.76	9.60	—	—	832	33	125	124	126				
		11PM	7.5	10	11.42	9.71	—	—	1824	140	121	120	125				
SATURDAY																	
SUNDAY																	

C:\MOTTE\500-0007 03/04/00

AKC-0010175

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	3/20	7 AM	7.5	9	9.90	9.45	–	–	2008	142	77	82	122				10:00 PH PAPER – 999
		3 PM	7.2	7	10.29	9.44	–	–	651	21	95	102	128				11:00 999
		11PM	6.2	5	10.40	9.56	–	–	2006	85	111	121	130				
TUESDAY	3/21	7 AM	5.9	4	10.52	9.66	✓	✓	2516	101	128	121	125				
		3 PM	5.4	16	9.84	9.67	–	–	777	33	120	123	126				
		11PM	6.7	14	9.52	9.80	–	–	1912	102	124	121	125				
WEDNESDAY	3/22	7 AM	7.2	12	9.67	9.77	–	–	2236	117	121	124	124				
		3 PM	11.6	11	9.80	9.69	–	–	763	82	126	120	127				
		11PM	11.1	10	9.67	9.68	–	–	1799	202	124	132	128				
THURSDAY	3/23	7 AM	10.9	9	9.80	9.64	–	–	1575	215	121	122	127				
		3 PM	10.6	7	10.11	9.55	–	–	745	38	122	126	126				
		11PM	9.6	5	9.95	9.57	–	–	1855	149	122	128	130				
FRIDAY	3/24	7 AM	9.0	5	10.29	9.55	–	–	2158	174	126	129	123				
		3 PM	8.5	18	10.50	9.50	–	–	588	40	128	127	130				
		11PM	7.5	16	9.68	9.54	–	–	1404	150	127	128	125				
SATURDAY																	
SUNDAY																	

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

AKC-0010176

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	3/27	7 AM	6.9	15	9.59	9.78	—	—	1603	188	128	118	130				
		3 PM	6.4	14	9.87	9.26	—	—	735	43	127	129	126				
		11PM	5.4	12	9.99	9.35	—	—	1475	143	128	122	130				
TUESDAY	3/28	7 AM	4.6	11	9.58	9.61	—	—	1827	196	122	122	127				
		3 PM	3.0	10	9.69	9.71	—	—	664	117	125	120	130				
		11PM	0.5	8	9.95	9.82	—	—	1563	254	130	123	128				
WEDNESDAY	3/29	7 AM	30.0	7	10.99	9.86	—	—	1909	289	125	122	121				
		3 PM	30.1	6	9.92	9.87	—	—	931	26	108	124	126				
		11PM	29.3	4	9.73	10.23	—	—	2064	81	108	121	123				
THURSDAY	3/30	7 AM	29.0	3	9.62	10.09	—	—	2777	96	94	122	124				
		3 PM	28.8	16	10.26	9.92	—	—	719	21	126	124	129				
		11PM	27.8	14	9.50	10.06	—	—	1986	81	121	123	130				
FRIDAY	3/31	7 AM	27.5	13	9.82	10.03	—	—	2227	98	126	125	125				
		3 PM	27.3	11	10.47	9.96	—	—	1042	18	129	121	127				
		11PM	26.8	9	9.99	10.09	—	—	2380	59	121	122	129				
SATURDAY																	
SUNDAY																	

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

AKC-0010177