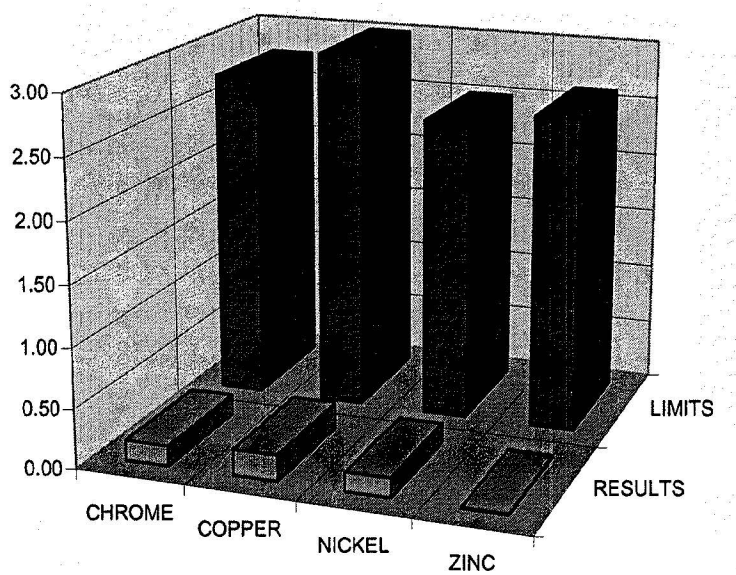
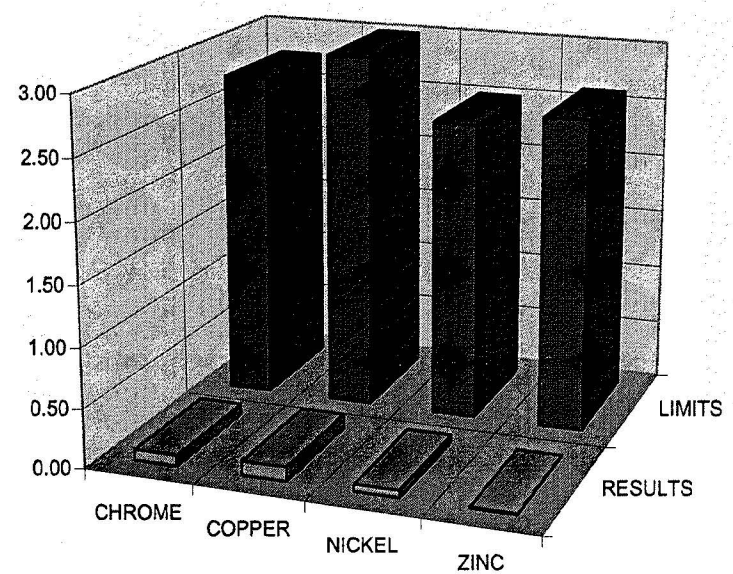
MARCH
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
MARCH 2, 2006
COMPOSITE M98230



ALASKAN COPPER WORKS
3200 FACILITY
MARCH 9, 2006
COMPOSITE M107756

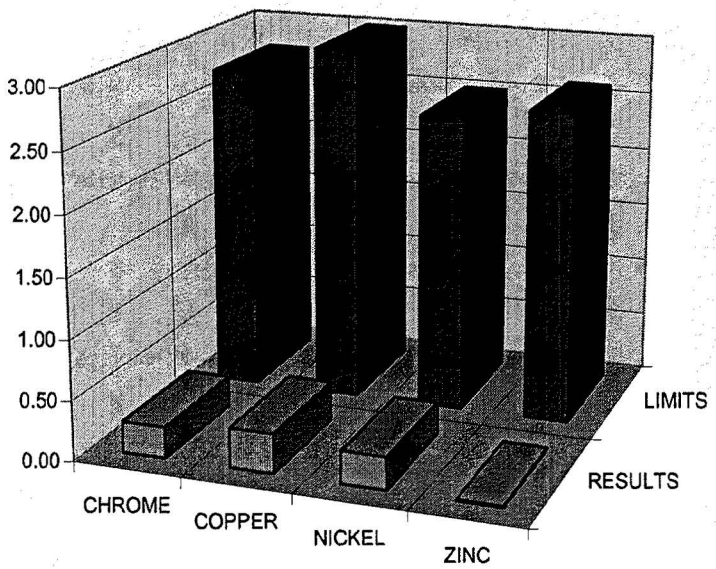
VISUAL REPRESENTATION OF THE LAB RESULTS

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

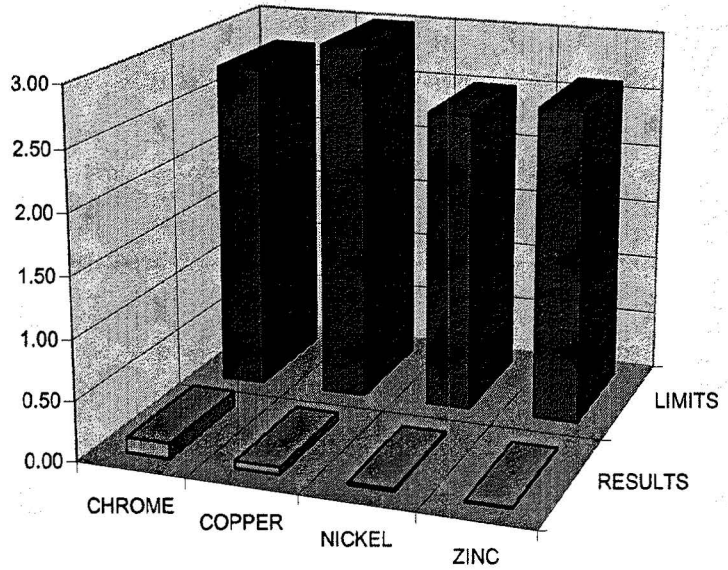
	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.17	0.22	0.16	0.01
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.09	0.12	0.06	0.01
LIMITS	2.75	3.00	2.50	2.61

MARCH
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
MARCH 23, 2006
COMPOSITE M107833



ALASKAN COPPER WORKS
3200 FACILITY
MARCH 30, 2006
COMPOSITE M98454

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	0.26	0.33	0.27	0.01
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.13	0.06	0.02	0.01
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	2/27	7 AM	3.9	7	9.55	9.52	—	—	1834	56	84	68	127				
		3 PM	3.3	6	9.54	9.56	—	—	1267	40	99	85	126				
		11PM	3.1	2	9.62	9.68	—	—	2027	86	105	98	107				
TUESDAY	2/28	7 AM	3.1	2	9.81	9.73	—	—	2027	94	109	93	115				
		3 PM	2.8	17	9.89	9.68	—	—	412	22	104	97	127				
		11PM	2.3	12	10.11	9.67	—	—	1729	61	109	107	107				
WEDNESDAY	3/1	7 AM	2.3	12	9.68	9.71	—	—	1729	64	117	102	117				
		3 PM	1.5	11	10.70	9.75	—	—	938	65	102	96	130				
		11PM	1.2	9	10.25	9.76	—	—	1703	93	102	105	112				
THURSDAY	3/2	7 AM	1.3	8	9.59	9.78	—	—	1770	100	95	103	121				
		3 PM	0.2	23	10.67	9.71	—	—	1028	91	99	110	125				
		11PM	4.4	19	10.53	9.68	—	—	1724	173	111	117	107				
FRIDAY	3/3	7 AM	4.4	19	11.30	9.81	—	—	1741	177	99	110	112				
		3 PM	3.9	14	9.74	9.83	—	—	2853	239	117	99	129				
		11PM	3.1	10	9.80	9.89	—	—	3784	284	114	110	110				
SATURDAY																	
SUNDAY																	

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

AKC-0007469

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	3.1	10	10.24	9.68	–	–	1217/3958	112/289	109	114	130				3958 -1741 = 1217; 289 - 177 = 112
		3 PM	2.8	7	12.15	9.66	–	–	450	3	111	109	129				
		11PM	1.8	2	9.78	9.60	–	–	1717	54	113	119	109				
TUESDAY	3/7	7 AM	1.8	2	10.74	9.63	–	–	1717	58	107	112	120				
		3 PM	1.2	15	9.61	9.61	–	–	733	45	125	119	127				
		11PM	0.2	11	9.89	9.60	–	–	1490	110	124	127	108				
WEDNESDAY	3/8	7 AM	.2	11	9.54	9.63	–	–	1490	110	117	117	121				
		3 PM	6.1	8	9.86	9.61	–	–	908	34	129	123	125				
		11PM	6.2	5	11.19	9.61	–	–	1575	58	126	121	107				
THURSDAY	3/9	7 AM	6.2	5	10.40	9.65	–	–	1575	59	119	114	115				
		3 PM	5.4	18	9.85	9.65	–	–	654	78	94	120	130				
		11PM	4.4	15	9.74	9.68	–	–	1455	154	109	126	109				
FRIDAY	3/10	7 AM	4.4	15	10.10	9.80	–	–	1455	160	122	119	120				
		3 PM	3.9	13	10.02	9.80	–	–	502	37	119	123	129				
		11PM	3.3	9	9.62	9.84	–	–	1439	71	125	122	107				
SATURDAY			3.4	5	10.32	9.84	–	–	1439		126	122	126				
SUNDAY																	

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

AKC-0007470

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	3.4	5	10.32	9.84	—	—	1439	79	126	122	126				
		3 PM	3.1	17	10.59	9.79	—	—	1520	90	129	121	126				
		11PM	2.8	14	10.26	9.73	—	—	1841	130	125	124	108				
TUESDAY	3/14	7 AM	2.8	14	9.94	9.76	—	—	1841	130	122	116	121				
		3 PM	1.8	10	10.76	9.68	—	—	778	69	118	115	128				
		11PM	1.2	5	9.78	10.31	—	—	2680	149	123	122	107				
WEDNESDAY	3/15	7 AM	.2	5	10.47	10.40	—	—	2680	203	107	120	127				
		3 PM	3.8	17	10.59	10.47	—	—	743	60	125	121	131				
		11PM	3.6	12	10.07	10.22	—	—	2146	137	108	119	112				
THURSDAY	3/16	7 AM	3.5	12	9.97	10.15	—	—	2146	144	122	116	113				
		3 PM	2.3	10	9.76	9.98	—	—	~~108~~ 230	108	126	123	124				
		11PM	1.8	5	9.94	9.89	—	—	2161	154	122	124	108				
FRIDAY	3/17	7 AM	1.8	5	9.80	9.85	—	—	2161	157	118	116	109				
		3 PM	1.3	17	10.28	9.76	—	—	1124	50	105	122	125				
		11PM	0.7	14	9.70	9.68	—	—	1990	117	102	119	112				
SATURDAY																	
SUNDAY																	

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

AKC-0007471

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	.5	14	9.76	9.55	–	–	1990	126	127	115	117				
		3 PM	.2	8	9.80	9.49	–	–	1658	58	123	119	125				
		11PM	.1	3	9.78	9.47	–	–	2506	101	121	125	116				
TUESDAY	3/21	7 AM	.0	3	11.12	9.49	–	–	2506	107	118	119	116				
		3 PM	29.3	19	9.62	9.49	–	–	890	11	122	124	128				
		11PM	28.8	14	9.68	9.57	–	–	2120	92	126	123	114				
WEDNESDAY	3/22	7 AM	28.6	14	11.11	9.68	–	–	2120	96	123	117	118				
		3 PM	28.4	12	9.85	9.66	–	–	98	36	114	125	128				
		11PM	27.9	10	9.72	9.60	–	–	1612	69	115	120	111				
THURSDAY	3/23	7 AM	27.9	10	10.92	9.68	–	–	1612	73	126	115	108				
		3 PM	27.3	7	9.84	9.68	–	–	1262	55	120	124	130				
		11PM	26.8	2	9.83	9.64	–	–	1799	118	112	118	114				
FRIDAY	3/24	7 AM	26.9	2	10.61	9.65	–	–	1901	120	112	114	115				
		3 PM	25.8	14	10.44	9.61	–	–	994	47	125	122	130				
		11PM	25.0	10	10:09	9.64	–	–	1720	113	122	119	111				
SATURDAY																	
SUNDAY																	

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

AKC-0007472

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	24.9	9	10.52	9.79	—	—	1720	121	127	118	83				
		3 PM	24.8	20	9.53	9.77	—	—	1120	149	113	115	73				
		11PM	24.3	14	9.72	9.73	—	—	1786	180	122	125	69				
TUESDAY	3/28	7 AM	24.3	14	9.97	9.73	—	—	1786	185	122	122	65				forgot to Reset flow
		3 PM	23.8	9	10.39	9.70	—	—	3755	230	107	126	61				91 5 3905 1786 2119
		11PM	23.0	6	10.15	9.67	—	—	3905	282	117	123	77				
WEDNESDAY	3/29	7 AM	230	6	9.63	9.70	—	—	2119 3905	97 282	122	117	75				171 282 185 97
		3 PM	22.2	3	9.86	9.73	—	—	1340	55	114	124	127				
		11PM	21.2	16	10.32	9.73	—	—	1883	128	123	118	114				
THURSDAY	3/30	7 AM	20.9	16	9.78	9.77	—	—	1937	152	119	113	110				
		3 PM	19.8	13	10.45	9.77	—	—	1176	78	111	123	126				
		11PM	19.1	8	10.01	9.74	—	—	2604	141	128	124	114				
FRIDAY	3/31	7 AM	19.1	7	9.62	9.73	—	—	2604	141	119	119	96				
		3 PM	18.6	5	9.55	9.68	—	—	772	33	120	124	82				
		11PM	17.7	2	9.53	9.64	—	—	1662	97	121	125	75				
SATURDAY																	
SUNDAY																	

OUT\500-0007, 03/04/99

AKC-0007473