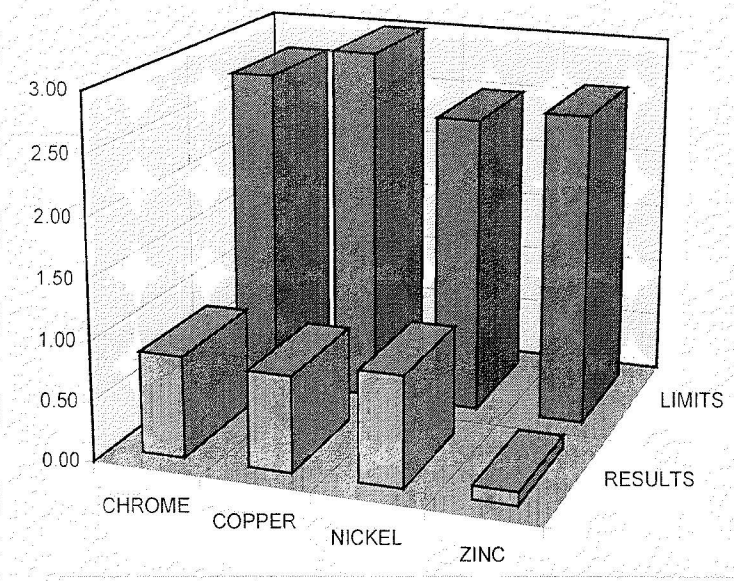
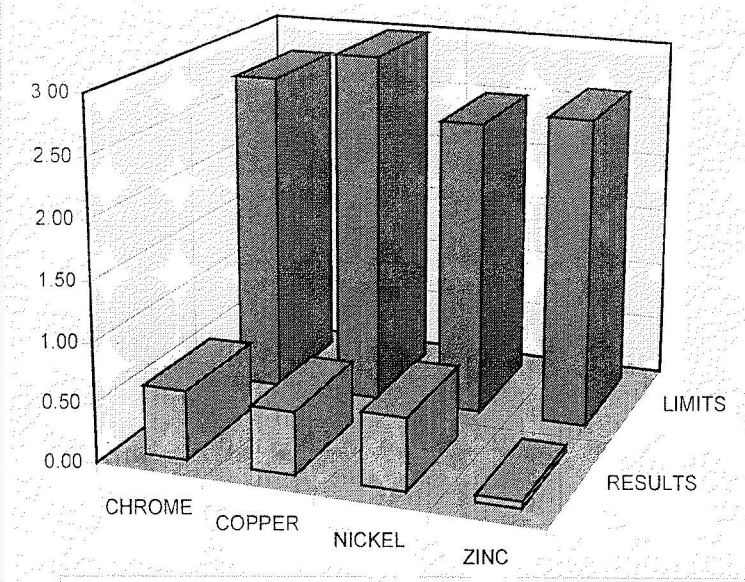
MARCH
METRO LIMITS





ALASKAN COPPER WORKS
3200 FACILITY
MARCH 2, 2001
COMPOSITE M65529

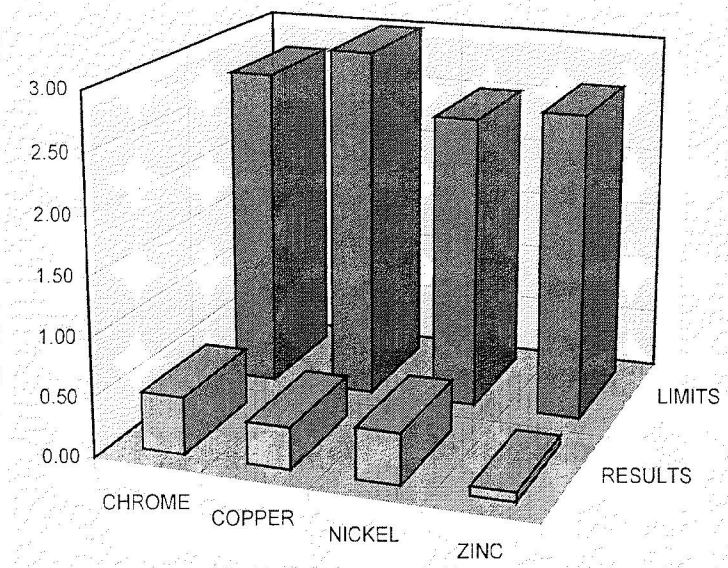
ALASKAN COPPER WORKS
3200 FACILITY
MARCH 9, 2001
COMPOSITE M65585

VISUAL REPRESENTATION OF THE LAB RESULTS

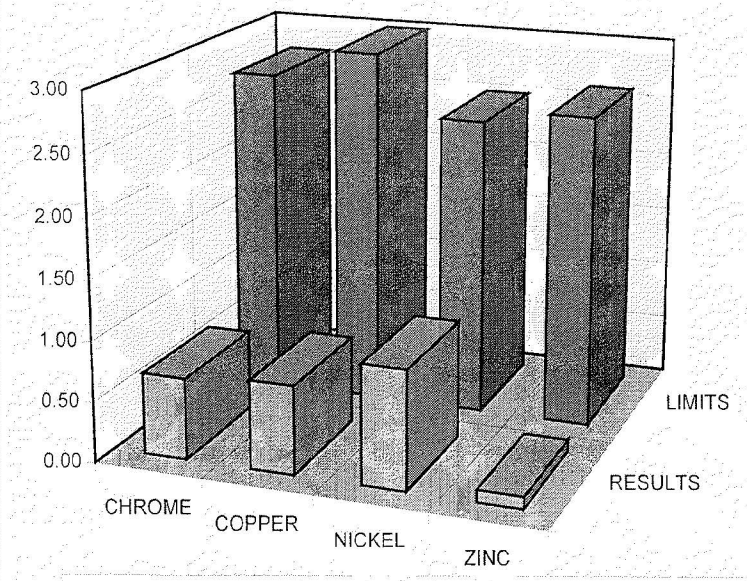
	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.85	0.80	0.92	0.11
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.58	0.53	0.61	0.06
LIMITS	2.75	3.00	2.50	2.61

MARCH
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
MARCH 15, 2001
COMPOSITE M65626



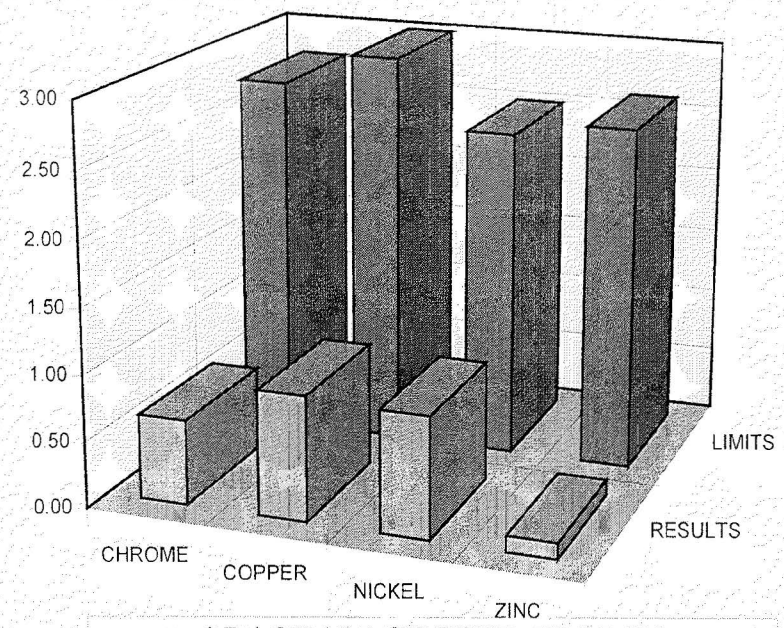
ALASKAN COPPER WORKS
3200 FACILITY
MARCH 22, 2001
COMPOSITE M65677

VISUAL REPRESENTATION OF THE LAB RESULTS

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.48	0.35	0.43	0.08
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.67	0.73	0.98	0.10
LIMITS	2.75	3.00	2.50	2.61

MARCH
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
MARCH 30, 2000
COMPOSITE M65716

VISUAL REPRESENTATION OF THE LAB RESULTS

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.64	0.94	0.91	0.12
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	2/24	7 AM	14.0	7	9.99	10.05	—	—	1583 6363	83	118	121	97	/	/	/	
		3 PM	13.1	18	10.10	10.00	—	—	864	48	115	121	120	/	/	/	6363 4780 1583
		11PM	11.8	13	10.20	10.46	—	—	2026	52?	114	125	128	—	—	—	
TUESDAY	2/27	7 AM	11.3	13	9.77	10.60	—	—	2221	76	109	125	113				
		3 PM	10.6	10	11.54	10.87	—	—	844	48	113	130	129				
		11PM	10.1	7.5	9.38	10.76	—	—	1583	93	117	130	125				
WEDNESDAY	2/28	7 AM	9.8	7	10.57	10.90	—	—	1583	4?	113	121	129				
		3 PM	7.5	5	1.57	10.85	—	—	852	57	112	120	118				
		11PM	5.9	2	10.05	10.67	—	—	1431	50?	106	129	127				
THURSDAY	3/1	7 AM	5.9	18	9.84	10.80	—	—	1587	65	102	122	128				
		3 PM	5.1	14	10.58	10.03	—	—	664	55	106	123	113				
		11PM	4.4	12	9.98	11.02	—	—	1592	91			113				
FRIDAY	3/2	7 AM	3.3	10	10.27	11.10	—	—	2085	137	106	118	128				
		3 PM	2.8	8	9.75	11.25	—	—	720	27	110	122	130				
		11PM	2.3	5	10.16	11.35	—	—	2251	83	112	120	122				
SATURDAY																	
SUNDAY																	

AKC-0009779

..\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	3/5	7 AM	2	5	10.84	11.48	—	—	2255	92	116	121	97	—	—	—	
		3 PM	9.7	14	9.70	11.65	—	—	961	36	116	122	129	—	—	—	
		11PM	9.5	12	9.66	11.64	—	—	1932	92	119	128	122	—	—	—	
TUESDAY	3/6	7 AM	9.0	11	10.17	11.55	—	—	2335	127	112	120	128	—	—	—	
		3 PM	8.0	7	10.01	11.83	—	—	786	61	117	120	130	—	—	—	
		11PM	7.4	4	10.31	11.55	—	—	1888	115	121	123	123	—	—	—	
WEDNESDAY	3/7	7 AM	7.2	3	9.57	11.67	—	—	1888	138	115	117	128	—	—	—	
		3 PM	6.2	15	9.53	9.97	—	—	752	61	114	129	127	—	—	—	
		11PM	5.4	12	9.68	9.96	—	—	2172	120	124	129	120	—	—	—	
THURSDAY	3/8	7 AM	5.1	11	9.58	9.73	—	—	2350	149	120	126	127	—	—	—	
		3 PM	4.6	8	11.03	9.8	—	—	731	43	118	123	125	—	—	—	
		11PM	3.8	4	10.53	10.00	—	—	1741	103	119	121	122	—	—	—	
FRIDAY	3/9	7 AM	3.3	3	9.61	10.09	—	—	1741	128	112	124	129	—	—	—	
		3 PM	5.4	17	11.02	9.95	—	—	953	48	117	127	130	—	—	—	
		11PM	3.8	13	11.58	10.15	—	—	1906	119	122	123	119	—	—	—	
SATURDAY																	
SUNDAY																	

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

AKC-0009780

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	3.8	12	10.57	10.12	–	–	1910	133	116	123	109	–	–	–	
		3 PM	30.2	10	11.88	10.58	–	–	1140	22	118	123	128	–	–	–	
		11PM	29.7	8	10.01	10.50	–	–	1979	58	117	124	121	–	–	–	
TUESDAY	3/13	7 AM	29.7	5	11.22	10.40	–	–	2146	68	112	126	127	–	–	–	
		3 PM	29.2	16	10.31	10.25	–	–	840	32	123	127	125	–	–	–	
		11PM	28.7	14	9.81	10.18	–	–	1782	74	122	129	122	–	–	–	
WEDNESDAY	3/14	7 AM	28.7	12	9.85	10.27	–	–	1518	86	117	125	127	–	–	–	
		3 PM	28.2	10	10.55	10.27	–	–	509	24	121	127	129	–	–	–	
		11PM	27.6	7	10.29	10.51	–	–	1301	92	121	127	120	–	–	–	
THURSDAY	3/15	7 AM	27.6	5	9.82	10.58	–	–	1569	23	113	125	127	–	–	–	
		3 PM	26.9	17	9.91	10.43	–	–	812	34	116	129	130	–	–	–	
		11PM	26.2	14	10.99	10.24	–	–	1431	81	114	118	123	–	–	–	
FRIDAY	3/16	7 AM	26.2	13	9.99	10.21	–	–	1536	90	103	116	127				
		3 PM	25.6	13	9.62	10.13	–	–	347	36	104	130	127				
		11PM	24.8	8	9.69	10.16	–	–	1584	85	112	121	121				
SATURDAY																	
SUNDAY																	

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

AKC-0009781

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	3/19	7 AM	24.5	8	9.71	9.97	—	—	1788	100	121	126	78				
		3 PM	24.0	19	10.5	9.84	—	—	1151	185	109	124	124				
		11PM	23.2	17	10.21	10.17	—	—	1704	177	113	128	128				
TUESDAY	3/20	7 AM	23.0	15	11.85	10.23	—	—	1913	190	105	122	126				
		3 PM	22.4	14	9.92	10.58	—	—	638	36	113	125	126				
		11PM	21.4	12	11.35	10.12	—	—	1479	96	114	125	126				
WEDNESDAY	3/21	7 AM	21.4	12	10.34	10.19	—	—	1500	110	109	124	125				
		3 PM	21.2	10	11.66	10.11	—	—	884	23	117	122	130				
		11PM	20.2	7	9.72	10.11	—	—	1702	74	121	124	128				
THURSDAY	3/22	7 AM	20.2	7	9.61	10.13	—	—	1702	84	176	118	124				
		3 PM	20.1	6	10.23	10.11	—	—	747	9?	122	126	127				
		11PM	19.6	3	10.18	10.49	—	—	1667	49	126	123	128				
FRIDAY	3/23	7 AM	19.4	2	10.54	10.33	—	—	1880	57	118	124	126				
		3 PM	19.1	16	9.41	10.62	—	—	870	22	126	122	126				
		11PM	18.6	13	9.77	10.41	—	—	1068	60	119	123	129				
SATURDAY																	
SUNDAY																	

AKC-0009782

\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	3/26	7 AM	18.5	13	9.60	10.42	—	—	1302	66	124	124	78	—	—	—	
		3 PM	18.3	10	9.94	10.21	—	—	802	13	121	130	124	—	—	—	
		11PM	18.	8	9.52	10.39	—	—	1714	54	121	122	128	—	—	—	
TUESDAY	3/27	7 AM	17.0	7	12.29	10.42	—	—	1525	72	115	123	127	—	—	—	
		3 PM	17.0	6	10.42	10.94	—	—	630	23	119	122	126	—	—		
		11PM	15.4	3	10.57	10.38	—	—	1514	92	120	130	126	—	—	—	
WEDNESDAY	3/28	7 AM	15.5	2	10.32	10.25	—	—	1860	101	116	127	130				Forgot to Reset Flow & cycles
		3 PM	15.5	15	9.94	10.84	—	—	2195	118	124	127	128				
		11PM	14.9	10	11.18	10.95	—	—	3223	148	121	129	126				
THURSDAY	3/29	7 AM	14.9	10	9.62	10.84	—	—	1523 / 3383	50 / 151	116	124	128				3383 ~~151~~ 1860 / 1523 Forgot to Reset Flow & cycles
		3 PM	14.7	9	11.25	10.66	—	—	3569	178	121	125	128				
		11PM	13.7	7	10.56	10.69	—	—	4735	221	126	121	128				
FRIDAY	3/30	7 AM	13.7	7	9.52	10.53	—	—	1608 / 4991	82	118	126	129				4991 3383 / 1608 — 833 151 / 82
		3 PM	13.1	6	10.17	10.55	—	—	510	30	123	129	127				
		11PM	12.8	5	11.90	10.57	—	—	1239	57	120	126	130				
SATURDAY																	
SUNDAY																	

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

AKC-0009783