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	10/1	7 AM	4.8	15	10.34	10.61	—	—	2165	65	98	123	120				
		3 PM	4.8	12	10.02	10.29	—	—	852	4	101	123	113				
		11PM	4.2	4	11.26	10.14	—	—	2017	48	106	118	121				
TUESDAY	10/2	7 AM	4.3	4	10.10	10.03	—	—	2011	80	100	128	125				Cleaned sump 1/2
		3 PM	4.0	4	9.74	10.12	—	—	752	30	100	126	111				
		11PM	3.8	2	9.56	10.25	—	—	1347	70	103	118	118				
WEDNESDAY	10/3	7 AM	3.7	2	10.26	10.21	—	—	1347	73	97	124	125				
		3 PM	3.2	10	9.92	10.09	—	—	1276	26	102	123	110				
		11PM	3.0	8	11.02	9.91	—	—	2088	52	104	121	119				
THURSDAY	10/4	7 AM	2.9	8	10.28	9.97	—	—	2238	55	98	129	128				
		3 PM	2.7	6	10.23	10.10	—	—	553	40?	101	123	113				
		11PM	2.2	2	11.47	9.91	—	—	2776	95	107	118	119				
FRIDAY	10/5	7 AM	2.2	2	11.24	9.76	—	—	2176	109	100	123	122				
		3 PM	1.4	15	9.89	9.74	—	—	779	52	104	118	110				
		11PM	0.9	12	9.52	96.2	—	—	2082	113	107	121	119				
SATURDAY																	
SUNDAY																	

AKC-0006578

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	10/8	7 AM	.9	13	11.13	9.37	—	—	2082	119	76	95	125				Cleaned Sump 1/2
		3 PM	.7	11	10.23	9.39	—	—	999	19	78	119	110				
		11PM	.2	8	9.72	9.46	—	—	1972	~~60~~	85 ~~126~~	126	126				
TUESDAY	10/9	7 AM	.2	8	11.89	9.65	—	—	1972	64	85	129	130				Forgot to Reset flow & cycles
		3 PM	19.7	6	12.19	10.05	—	—	3002	2?	95	123	112				
		11PM	19.2	2	10.86	9.94	—	—	4170	54?	99	120	121				
WEDNESDAY	10/10	7 AM	19.3	2	10.98	9.90	—	—	4246	54	97	120	125				
		3 PM	18.7	14	9.78	9.90	—	—	688	48	105	124	109				
		11PM	18.3	12	9.61	10.09	—	—	2120	101	110	124	120				
THURSDAY	10/11	7 AM	17.9	12	11.61	10.05	—	—	2121	111	106	122	125				
		3 PM	17.3	9	9.80	9.90	—	—	720	62	109	121	110				
		11PM	16.9	6	9.57	10.81	—	—	1609	102	115	118	125				
FRIDAY	10/12	7 AM	16.8	6	10.99	10.85	—	—	1670	105	125	108	126				Cleaned Sump 1/2
		3 PM	15.3	17	9.59	10.07	—	—	674	96	103	124	108				
		11PM	14.8	14	9.81	9.67	—	—	1812	137	109	122	100				
SATURDAY																	
SUNDAY																	

3 1 4 4 6
4 8 6 4
1 9 7 2
2 2 7 4

AKC-0006579

REF. DWG NO. 500-0007 REV. A 1594

DAILY LOG

396-4964

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	10/15	7 AM	14.7	14	10.65	9.51	–	–	1984	141	103°	125	74				Forgot to Reset Flow & cycles
		3 PM	14.2	12	9.74	9.55	–	–	2643	174	106	125	71				
		11PM	13.7	8	9.96	9.80	–	–	3617 ?	208 ?	106	127	70				
TUESDAY	10-16	7 AM	13.7	8	10.58	9.76	–	–	3617	213	102	125	69				
		3 PM	13.5	6	9.75	9.58	–	–	699	31	104	118	81				3617 − 1984 = 1633
		11PM	13.3	2	10.01	9.59	–	–	1809	67	106	127	85				
WEDNESDAY	10-17	7 AM	13.0	2	11.70	9.64	–	–	1875	75	101	128	98				
		3 PM	13.0	15	9.53	9.77	–	–	791	21	106	119	122				
		11PM	12.5	14	10.16	10.05	–	–	1918	72	109	123	112				
THURSDAY	10-18	7 AM	12.5	13	10.75	9.93	–	–	2008	0 ?	102	121	117				Cleaned Sump 1/2
		3 PM	12.3	10	9.75	9.83	–	–	844	12	112	119	122				
		11PM	12.0	8	9.71	10.13	–	–	1540	34	104	121	112				
FRIDAY	10-19	7 AM	12.0	8	11.12	10.01	–	–	1541	37	101	126	118				
		3 PM	11.8	6	9.51	10.25	–	–	823	21	109	123	120				
		11PM	11.5	2	9.61	9.88	–	–	1937	55	113	122	111				
SATURDAY																	
SUNDAY																	

AKC-0006580

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	10-22	7 AM	11.4	3	10.21	EM	–	–	1937	60	120	112	123				
		3 PM	11.0	1	9.70	9.64	–	–	810	13	113	118	126				
		11PM	10.8	12	9.93	11.54	–	–	2570	49	118	118	109				
TUESDAY	10-23	7 AM	10.8	12	9.57	11.85	–	–	2570	49	114	124	118				
		3 PM	10.7	9	10.28	10.94	–	–	461	10	119	120	125				
		11PM	10.7	5	9.79	10.06	–	–	1703	30	124	119	109				
WEDNESDAY	10-24	7 AM	10.6	5	12.56	10.00	–	–	1703	53	119	125	121				Cleaned sump 1/2
		3 PM	10.4	4	9.67	9.86	–	–	501	29	126	124	126				
		11PM	10.1	2	9.61	9.87	–	–	1105	50	127	118	112				
THURSDAY	10-25	7 AM	10.0	2	12.00	9.82	–	–	1105	56	119	128	117				
		3 PM	10.0	12	9.94	9.76	–	–	606	17	123	119	120				
		11PM	9.5	8	9.96	9.89	–	–	1362	59	123	119	109				
FRIDAY	10-26	7 AM	9.3	8	10.71	9.82	–	–	1553	62	115	119	121				
		3 PM	8.7	8	9.91	9.99	–	–	1117	48	110	122	121				
		11PM	8.5	4	10.23	9.98	–	–	2063	82	112	117	108				
SATURDAY																	
SUNDAY																	

AKC-0006581

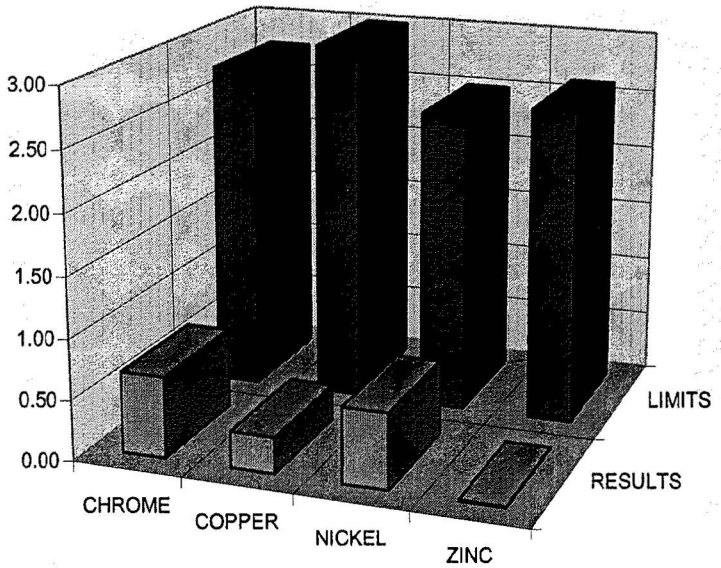
REF. DWG NO. 500-0007 REV. A 1594

DAILY LOG

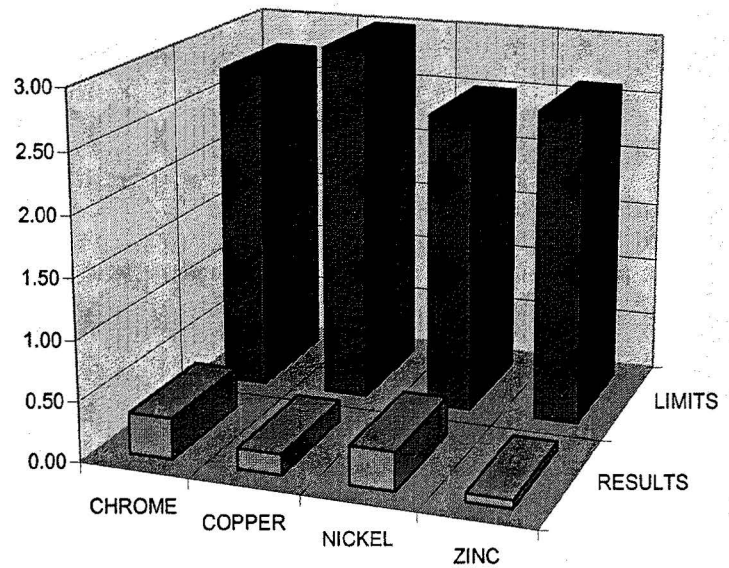
DAY	DATE	TIME	CAUSTIC LEVEL	FLOC. LEVEL	pH READING PROCESS MONITOR	pH READING OUTPUT MONITOR	pH PAPER PROCESS MONITOR	pH PAPER OUTPUT MONITOR	FLOWMETER	CYCLES	TEMP F° LARGE TANK	TEMP F° SMALL TANK	TEMP F° OAKITE TANK	REVETMENT LARGE RINSE	REVETMENT LARGE ACID	REVETMENT SMALL TANKS	COMMENTS, PROBLEMS, & REMARKS (W/O#)
MONDAY	10/25	7 AM	8.6	4	10.02	9.54	—	—	2463	82	79	84	124				Boiler off
		3 PM	8.4	15	10.05	9.60	—	—	9886	12	85	122	124				
		11PM	8.2	14	10.86	9.60	—	—	1737	49	93	120	168				
TUESDAY	10/30	7 AM	7.9	14	10.53	9.55	—	—	1737	57	92	116	125				Cleaned Sump 1/2
		3 PM	7.9	13	10.55	9.93	—	—	624	7	88	113	121				
		11PM	7.7	12	11.00	9.90	—	—	1259	41	94	127	109				
WEDNESDAY	10/31	7 AM	7.7	12	11.45	9.87	—	—	1259	45	95	128	120				
		3 PM	7.4	10	11.66	9.76	—	—	940	41	103	118	119				
		11PM	6.9	8	11.08	9.98	—	—	1644	87	107	122	111				
THURSDAY	11/1	7 AM	6.9	8	9.87	9.98	—	—	1791	87	105	120	122				
		3 PM	6.6	7	9.70	9.97	—	—	454	30	111	123	118				
		11PM	6.1	5	10.85	9.59	—	—	1944	74	116	119	108				
FRIDAY	11/2	7 AM	6.1	5	11.76	9.57	—	—	1944	79	112	117	116				
		3 PM	5.9	[illegible]	10.61	9.67	—	—	699	9	116	122	119				
		11PM	5.6	15		9.74	—	—	1598	68	120	121	109				
SATURDAY																	
SUNDAY																	

AKC-0006582

OCTOBER
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
OCTOBER 4, 2007
COMPOSITE M117740



ALASKAN COPPER WORKS
3200 FACILITY
OCTOBER 11, 2007
GRAB M117550

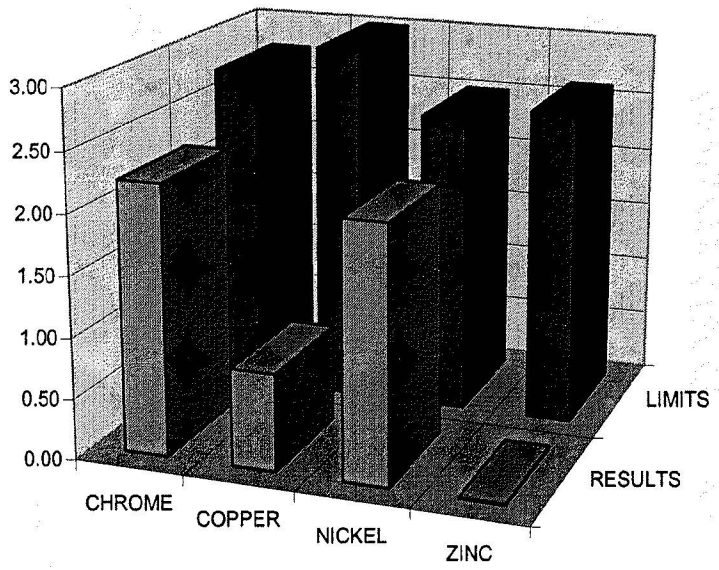
VISUAL REPRESENTATION OF THE LAB RESULTS

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

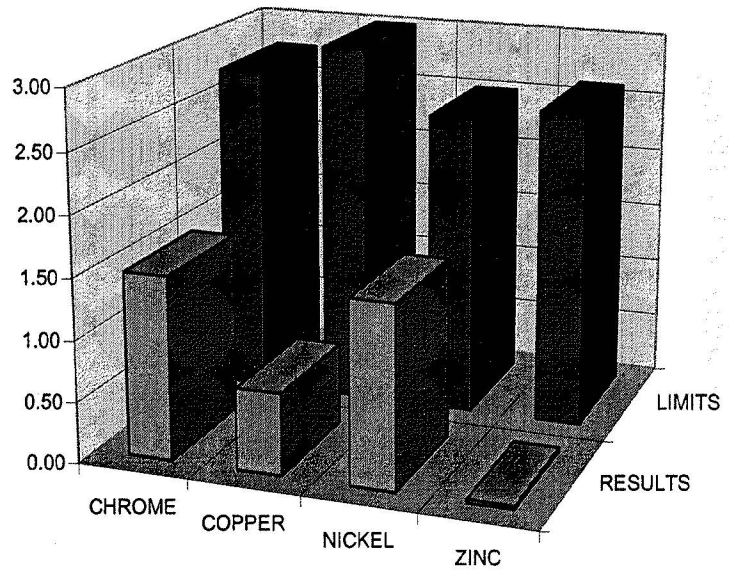
	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.67	0.30	0.62	0.01
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.34	0.17	0.32	0.07
LIMITS	2.75	3.00	2.50	2.61

OCTOBER
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
OCTOBER 16, 2007
METRO KC GRAB M01171



ALASKAN COPPER WORKS
3200 FACILITY
OCTOBER 17, 2007
METRO KC COMPOSITE M01036

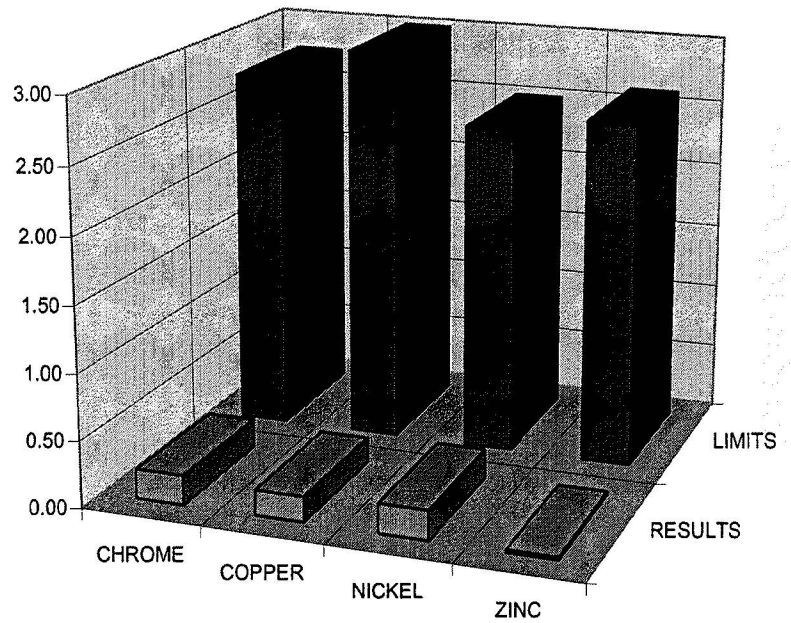
VISUAL REPRESENTATION OF THE LAB RESULTS

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

	CHROME	COPPER	NICKEL	ZINC
RESULTS	2.23	0.80	2.10	0.01
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	1.50	0.67	1.49	0.03
LIMITS	2.75	3.00	2.50	2.61

OCTOBER
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
OCTOBER 25, 2007
COMPOSITE M01312

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	0.22	0.19	0.22	0.02
LIMITS	2.75	3.00	2.50	2.61