# Industrial Waste Monthly Self-Monitoring Report

Mail or FAX to: King County Industrial Waste
130 Nickerson Street, Suite 200
Seattle, WA 98109-1658
Phone 206-263-3000 / FAX 206-263-3001

AKC-0007743

**Company Name:** ALASKAN COPPER WORKS **Sample Site No.** A-4010 **Permit/DA No.:** 7238

***Please Specify Month & Year:*** **Month** AUGUST **2005** **This form is available at http://dnr.metrokc.gov/wlr/indwaste**

**All units are mg/l unless otherwise noted.** Note: For cyanide circle test performed - amenable or total ▼

| Sample Date (circle) | Sample Type C (Composite) G (grab) BC (batch) | pH Min | pH Max | Cadmium, Cd | Chromium, Cr | Copper, Cu | Lead, Pb | Mercury, Hg | Nickel, Ni | Silver, Ag | Zinc, Zn | Cyanide (CN) Amenable (A) or Total (T) | NP Fats, Oils, and Grease (Average of 3 grabs) | | Flow (GPD) Industrial | Notes (Indicate Batch Discharges) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 9.6 | 10.0 | | | | | | | | | | | | 2723 | |
| 2 | | 10.0 | 10.1 | | | | | | | | | | | | 2330 | |
| 3 | | 10.0 | 10.0 | | | | | | | | | | | | 1701 | |
| (4) | C | 9.9 | 10.1 | | .62 | .75 | | | .90 | | .05 | | | | 1789 | |
| 5 | | 9.7 | 10.3 | | | | | | | | | | | | 2636 | |
| 6 | | 10.1 | 10.5 | | | | | | | | | | | | 2741 | |
| 7 | | — | — | | | | | | | | | | | | — | |
| 8 | | 9.7 | 9.8 | | | | | | | | | | | | 2090 | |
| 9 | | 9.9 | 10.2 | | | | | | | | | | | | 1878 | |
| 10 | | 9.9 | 10.0 | | | | | | | | | | | | 2156 | |
| (11) | C | 9.9 | 9.9 | | .26 | .31 | | | .30 | | .05 | | | | 1708 | |
| 12 | | 9.6 | 9.7 | | | | | | | | | | | | 1786 | |
| 13 | | — | — | | | | | | | | | | | | — | |
| 14 | | — | — | | | | | | | | | | | | — | |
| 15 | | 9.4 | 9.5 | | | | | | | | | | | | 1622 | |
| 16 | | 9.7 | 9.7 | | | | | | | | | | | | 1698 | |
| 17 | | 9.8 | 9.9 | | | | | | | | | | | | 1483 | |
| (18) | C | 9.8 | 9.8 | | .32 | .43 | | | .34 | | .05 | | | | 1826 | |
| 19 | | 9.9 | 10.0 | | | | | | | | | | | | 1489 | |
| 20 | | — | — | | | | | | | | | | | | — | |
| 21 | | — | — | | | | | | | | | | | | — | |
| 22 | | 9.8 | 9.8 | | | | | | | | | | | | 940 | |
| 23 | | 9.9 | 10.2 | | | | | | | | | | | | 1340 | |
| 24 | | 10.1 | 10.2 | | | | | | | | | | | | 1457 | |
| (25) | C | 10.2 | 10.3 | | .91 | .88 | | | 1.10 | | .08 | | | | 1708 | |
| 26 | | 10.2 | 10.3 | | | | | | | | | | | | 1326 | |
| 27 | | — | — | | | | | | | | | | | | — | |
| 28 | | — | — | | | | | | | | | | | | — | |
| 29 | | 10.0 | 10.3 | | | | | | | | | | | | 999 | |
| 30 | | 10.2 | 11.0 | | | | | | | | | | | | 2581 | |
| 31 | | 10.9 | 11.1 | | | | | | | | | | | | 2600 | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Monthly Min pH | 9.4 | & Date | 8-15-05 | Total Monthly Flow (gallons) | 44607 | | |
| Monthly Max pH | 11.1 | & Date | 8-31-05 | Maximum Daily Flow | 2741 | & Date | 8-6-05 |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

James Larson 9/14/05

Signature of Principal Executive or Authorized Agent Date

**PLEASE CIRCLE ALL PERMIT VIOLATIONS**

**Due Date:** Monthly report is due by the 15th of each month.

# Industrial Waste Monthly Self-Monitoring Report

Mail or FAX to: King County Industrial Waste
130 Nickerson Street, Suite 200
Seattle, WA 98109-1658
Phone 206-263-3000 / FAX 206-263-3001

AKC-0007744

**Company Name:** ALASKAN COPPER WORKS **Sample Site No.** A-4009 **Permit/DA No.:** 7201

***Please Specify Month & Year:*** **Month** AUGUST **2005** **This form is available at** http://dnr.metrokc.gov/wlr/indwaste

**All units are mg/l unless otherwise noted.** Note: For cyanide circle test performed - amenable or total ▼

| Sample Date (circle) | Sample Type C (Composite) G (grab) BC (batch) | pH Min | pH Max | Cadmium, Cd | Chromium, Cr | Copper, Cu | Lead, Pb | Mercury, Hg | Nickel, Ni | Silver, Ag | Zinc, Zn | Cyanide (CN) Amenable (A) or Total (T) | NP Fats, Oils, and Grease (Average of 3 grabs) | | Flow (GPD) Industrial | Notes (Indicate Batch Discharges) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | |
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| 29 | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | |

NOT IN USE THIS MONTH

| | | | | | |
|---|---|---|---|---|---|
| Monthly Min pH | | & Date | | Total Monthly Flow (gallons) | |
| Monthly Max pH | | & Date | | Maximum Daily Flow | & Date |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter listed.

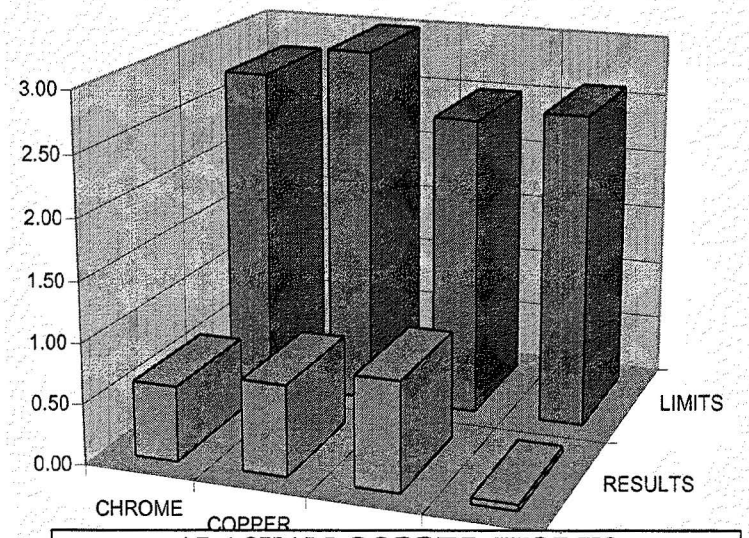
Signature of Principal Executive or Authorized Agent

Date 9/14/05

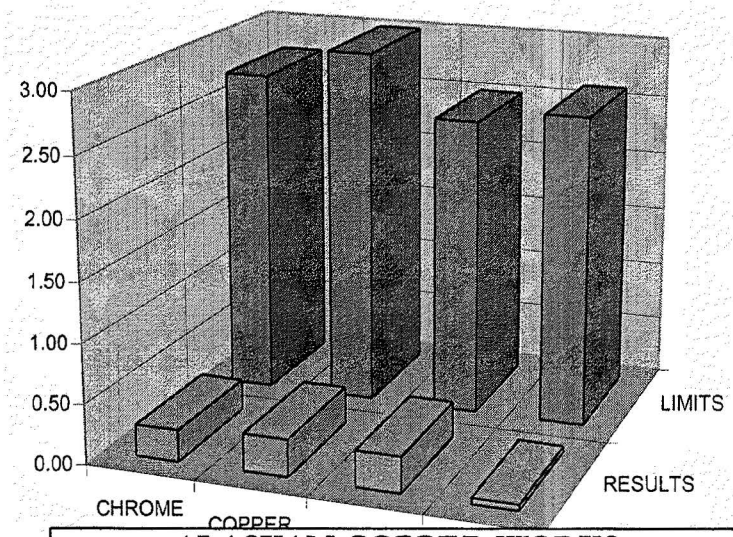
**PLEASE CIRCLE ALL PERMIT VIOLATIONS**

**Due Date:** **Monthly report is due by the 15th of each month.**

# AUGUST
# METRO LIMITS




## ALASKAN COPPER WORKS
3200 FACILITY
AUGUST 4, 2005
COMPOSITE M106694



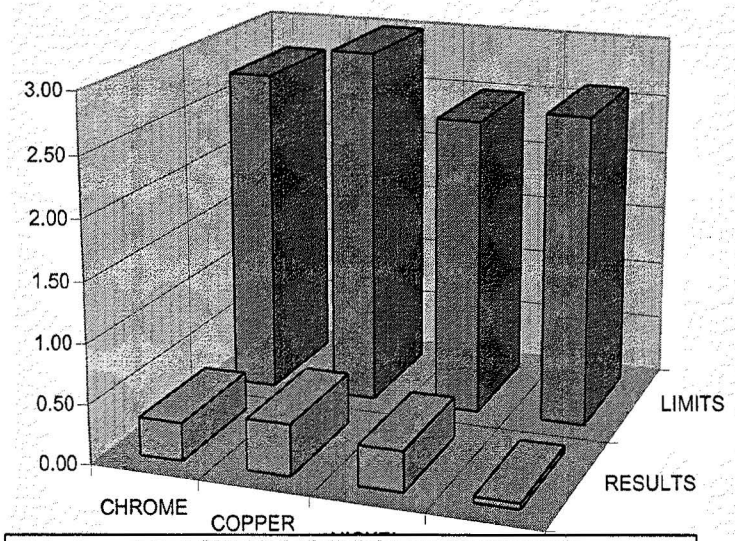

## ALASKAN COPPER WORKS
3200 FACILITY
AUGUST 11, 2005
COMPOSITE M96764

VISUAL REPRESENTATION OF THE LAB RESULTS

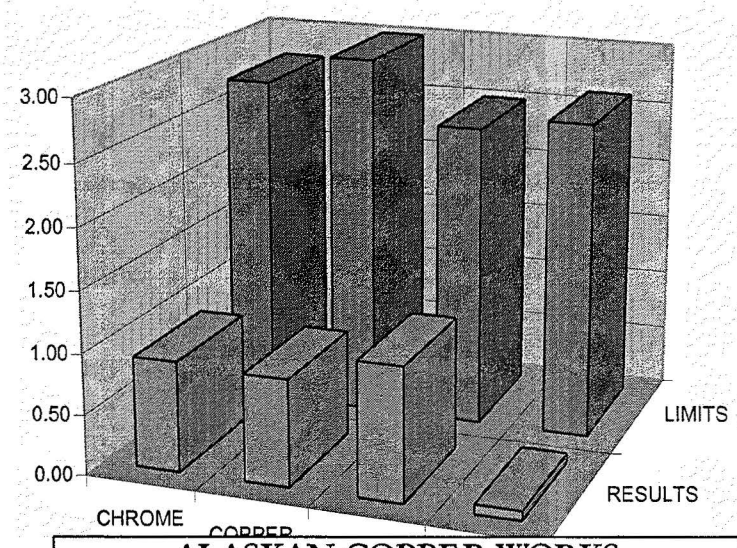
| | CHROME | COPPER | NICKEL | ZINC |
|---|---|---|---|---|
| RESULTS | 0.62 | 0.75 | 0.90 | 0.05 |
| LIMITS | 2.75 | 3.00 | 2.50 | 2.61 |

| | CHROME | COPPER | NICKEL | ZINC |
|---|---|---|---|---|
| RESULTS | 0.26 | 0.31 | 0.30 | 0.05 |
| LIMITS | 2.75 | 3.00 | 2.50 | 2.61 |

# AUGUST
# METRO LIMITS




## ALASKAN COPPER WORKS
3200 FACILITY
AUGUST 18, 2005
COMPOSITE M96807




## ALASKAN COPPER WORKS
3200 FACILITY
AUGUST 25, 2005
COMPOSITE M96852

VISUAL REPRESENTATION OF THE LAB RESULTS

| | CHROME | COPPER | NICKEL | ZINC |
|---|---|---|---|---|
| RESULTS | 0.32 | 0.43 | 0.34 | 0.05 |
| LIMITS | 2.75 | 3.00 | 2.50 | 2.61 |

| | CHROME | COPPER | NICKEL | ZINC |
|---|---|---|---|---|
| RESULTS | 0.91 | 0.88 | 1.10 | 0.08 |
| LIMITS | 2.75 | 3.00 | 2.50 | 2.61 |

# FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
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3012 16th Avenue West
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e-mail: fbi@isomedia.com

## TRANSMITTAL

**DATE:** 9-12-05

**TO:** Henry

**COMPANY:** Alaskan Copper **PROJECT ID:**

**FAX #:** **PHONE #:**

**FROM:** Charlene

We are sending you the following:

| # Pages/Documents (including cover sheet) | Description |
|---|---|
| 2 | draft rush results |
| | |
| | |
| | |

These are transmitted as indicated:

- [x] For your use
- [ ] For review and comment
- [ ] For your signature and return
- [x] As requested
- [ ] As noted
- [ ] Other

Remarks:

For items sent via Fax:

Original: Will Follow [ ] Will Not Follow [ ]

**IMPORTANT**

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Date Received: 09/08/05
Project: Metro Self Monitor Comp., PO# M106917, F&BI 509058
Date Extracted: 09/12/05
Date Analyzed: 09/12/05

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES**
**FOR TOTAL METALS**
**BY EPA METHOD 6010**
Results Reported as mg/L (ppm)

| Sample ID<br>Laboratory ID | Chromium | Copper | Nickel | Zinc |
|---|---|---|---|---|
| M106917<br>509058-01 | 1.2 | 0.98 | 1.2 | <0.05 |
| Method Blank | <0.05 | <0.05 | <0.10 | <0.05 |

**DRAFT**

09/12/05 02:11pm P. 002

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 | 8/1 | 7 AM | 3.0 | 10 | 11.25 | 9.60 | – | – | 2723 | 82 | 117 | 117 | 146? | | | | |
| | | 3 PM | 2.3 | 5 | 10.26 | 9.85 | – | – | 1428 | 38 | 122 | 119 | 130 | | | | |
| | | ~~11PM~~ 7PM | 2.3 | 3 | 10.30 | 10.02 | – | – | 1978 | 51 | 122 | 127 | 125 | | | | |
| TUESDAY | 8/2 | 7 AM | 1.8 | 2 | 9.63 | 10.07 | – | – | 2330 | 72 | 122 | 117 | 122 | | | | |
| | | 3 PM | 1.2 | 13 | 9.54 | 10.08 | – | – | 1078 | 39 | 122 | 119 | 106 | | | | |
| | | ~~11PM~~ 7PM | 1.0 | 10 | 11.09 | 10.11 | – | – | 1707 | 53 | 121 | 129 | 127 | | | | |
| WEDNESDAY | 8/3 | 7 AM | 31.2 | 10 | 11.35 | 10.34 | – | – | 1701 | 69 | 118 | 115 | 118 | | | | |
| | | 3 PM | 30.1 | 6 | 10.24 | 10.08 | – | – | 1585 | 95 | 120 | 121 | 99 | | | | |
| | | ~~11PM~~ 7PM | 29 | 4 | 9.67 | 10.05 | – | – | 1789 | 102 | 128 | 119 | 130 | | | | |
| THURSDAY | 8/4 | 7 AM | 29.1 | 17 | 11.5 | 9.97 | – | – | 1789 | 172 | 118 | 111 | 127 | | | | Forgot to Reset Flow |
| | | 3 PM | 28.3 | 10 | 11.08 | 10.18 | – | – | 3584 | 55 | 121 | 123 | 108 | | | | |
| | | ~~11PM~~ 7PM | 27.7 | 7 | 9.85 | 10.03 | – | – | 4425 | 82 | 119 | 119 | 130 | | | | |
| FRIDAY | 8/5 | 7 AM | 25.4 | 7 | 11.01 | 9.77 | – | – | 2636 / 4425 | 181 | 118 | 114 | 130 | | | | 4425 − 1789 = 2636 |
| | | 3 PM | 24.6 | 18 | 10.19 | 10.30 | – | – | 1424 | 47 | 128 | 122 | 110 | | | | |
| | | ~~11PM~~ 7PM | 24.1 | 16 | 12.54 | 10.33 | – | – | 2741 | 79 | 120 | 119 | 128 | | | | |
| SATURDAY | 8/6 | 7AM | 24.2 | 16 | 11.29 | 10.15 | – | – | 2741 | 93 | 117 | 111 | 134 | | | | |
| | | 3:15 | 23.1 | 10 | 9.91 | 10.54 | – | – | 2090 | 51 | 122 | 124 | 112 | | | | |
| SUNDAY | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

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

AKC-0007749

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 | 8/8 | 7 AM | 22.6 | 10 | 10.30 | 9.86 | — | — | 2090 | 82 | 121 | 123 | 130 | | | | |
| | | 3 PM | 21.8 | 7 | 11.10 | 9.75 | — | — | 1251 | 45 | 120 | 122 | 123 | | | | |
| | | 11PM | 21.6 | 3 | 10.36 | 9.82 | — | — | 1878 | 59 | 128 | 125 | 129 | | | | |
| TUESDAY | 8/9 | 7 AM | 21.1 | 3 | 11.10 | 9.95 | — | — | 1878 | 95 | 118 | 118 | 131 | | | | Forgot to Reset Flow & Cycles |
| | | 3 PM | 20.5 | 15 | 10.46 | 10.24 | — | — | 3598 | 123 | 119 | 125 | 116 | | | | |
| | | ~~11PM~~ 7PM | 20.2 | 12 | 8.62 | 10.16 | — | — | 4034 | 142 | 121 | 121 | 125 | | | | |
| WEDNESDAY | 8/10 | 7 AM | 20.0 | 13 | 10.84 | 9.98 | — | — | 2156/4034 | 99/194 | 118 | 116 | 130 | | | | 2156 4034 1878 2156 |
| | | 3 PM | | | | | | | | | | | | | | | |
| | | ~~11PM~~ 7PM | 19 | 5 | 10.46 | 10.01 | — | — | 1708 | 65 | 119 | 122 | 125 | | | | |
| THURSDAY | 8/11 | 7 AM | 18.5 | 5 | 12.34 | 9.95 | — | — | 1708 | 89 | 113 | 116 | 132 | | | | |
| | | 3 PM | 17.9 | 18 | 10.93 | 9.55 | — | — | 1205 | 39 | 120 | 122 | 111 | | | | |
| | | 11PM | 17.2 | 16 | 9.73 | 9.94 | — | — | 1786 | 73 | 125 | 120 | 126 | | | | |
| FRIDAY | 8/12 | 7 AM | 17.1 | 14 | 12.15 | 9.71 | — | — | 1786 | 104 | 104 | 107 | 123 | | | | |
| | | 3 PM | 16.6 | 10 | 10.41 | 9.64 | — | — | 1122 | 69 | 112 | 123 | 103 | | | | |
| | | 11PM | 16.4 | 7 | 9.84 | 9.64 | | | 1322 | 80 | 124 | 120 | 130 | | | | |
| SATURDAY | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| SUNDAY | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | |

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

AKC-0007750

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 | 8/15 | 7 AM | 16.1 | 7 | 10.36 | 9.46 | — | — | 1622 | 115 | 91 | 85 | 135 | | | | |
| | | 3 PM | 15.6 | 18 | 10.77 | 9.41 | — | — | 1209 | 41 | 113 | 115 | 128 | | | | Output monitor 9.5! |
| | | 11PM | 15.3 | 14 | 9.69 | 9.50 | — | — | 1698 | 53 | 123 | 126 | 130 | | | | |
| TUESDAY | 8/16 | 7 AM | 15.4 | 14 | 10.10 | 9.75 | — | — | 1698 | 64 | 119 | 124 | 129 | | | | |
| | | 3 PM | 15.1 | 7 | 10.06 | 9.72 | — | — | 1293 | 23 | 118 | 110 | 117 | | | | |
| | | ~~11PM~~ 7PM | 14.8 | 5 | 10.01 | 9.74 | — | — | 1483 | 32 | 125 | 117 | 128 | | | | |
| WEDNESDAY | 8/17 | 7 AM | 14.8 | 5 | 9.86 | 9.81 | — | — | 1483 | 42 | 118 | 108 | 129 | | | | |
| | | 3 PM | 14.5 | 14 | 10.25 | 9.93 | — | — | 1457 | 31 | 120 | 121 | 114 | | | | |
| | | ~~11PM~~ 7PM | 14.3 | 14 | 12.11 | 9.92 | — | — | 1826 | 45 | 124 | 120 | 127 | | | | |
| THURSDAY | 8/18 | 7 AM | 14.0 | 14 | 10.64 | 9.87 | — | — | 1826 | 68 | 115 | 104 | 127 | | | | |
| | | 3 PM | 13.3 | 10 | 11.48 | 9.83 | — | — | 1091 | 80 | 122 | 118 | 110 | | | | |
| | | ~~11PM~~ 7PM | 12.7 | 7 | 9.37 | 9.87 | — | — | 1489 | 101 | 119 | 121 | 128 | | | | |
| FRIDAY | 8/19 | 7 AM | 12.8 | 7 | 12.25 | 9.94 | — | — | 1489 | 104 | 120 | 118 | 122 | | | | |
| | | 3 PM | 12.2 | 5 | 11.50 | 9.96 | — | — | 532 | 20 | 123 | 123 | 108 | | | | |
| | | ~~11PM~~ 7PM | 11.70 | 3 | 11.69 | 10.00 | — | — | 940 | 28 | 123 | 118 | 132 | | | | OAKITE tank too high. |
| SATURDAY | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| SUNDAY | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |



AKC-0007751

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 | 8/22 | 7 AM | 12.3 | 3 | 11.22 | 9.87 | — | — | 940 | 43 | 93 | 86 | 133 | | | | |
| | | 3 PM | 11.2 | 15 | 11.79 | 9.85 | — | — | 1148 | 50 | 115 | 123 | 121 | | | | |
| | | 11PM | 10.6 | 15 | 10.44 | 9.89 | — | — | 1340 | 71 | 116 | 119 | 126 | | | | |
| TUESDAY | 8/23 | 7 AM | 10.7 | 15? | 10.18 | 9.93 | — | — | 1340 | 100 | 107 | 101 | 120 | | | | |
| | | 3 PM | 10.1 | 10 | 10.03 | 10.05 | — | — | 997 | 35 | 122 | 121 | 105 | | | | |
| | | 11PM | 9.9 | 7 | 11.77 | 10.22 | — | — | 1457 | 48 | 116 | 112 | 131 | | | | |
| WEDNESDAY | 8/24 | 7 AM | 9.9 | 7 | 11.98 | 10.21 | — | — | 1457 | 67 | 107 | 101 | 123 | | | | Boiler on, temp 69? |
| | | 3 PM | 8.6 | 5 | 4.84 | 10.18 | — | — | 1149 | 50 | 115 | 118 | 109 | | | | |
| | | 11PM | 8.3 | 2 | 9.77 | 10.23 | — | — | 1708 | 63 | 69? | 128 | 132 | | | | |
| THURSDAY | 8/25 | 7 AM | 8.3 | 2 | 11.43 | 10.24 | — | — | 1708 | 75 | 47? | 110 | 120 | | | | |
| | | 3 PM | 8.0 | 18 | 10.52 | 10.30 | — | — | 1326 | 19 | ERR | 119 | 102 | | | | |
| | | 11PM | 8.0 | 17 | 10.24 | 10.29 | — | — | 1326 | 22 | [illegible] | 134 | 130 | | | | |
| FRIDAY | 8/26 | 7 AM | 7.5 | 17 | 10.03 | 10.26 | — | — | 1326 | 34 | 117 | 121 | 117 | | | | |
| | | 3 PM | 7.5 | 14 | 9.75 | 10.42 | — | — | 999 | 17 | 117 | 112 | 118 | | | | |
| | | 11PM | 7.5 | 14 | 10.13 | 10.41 | — | — | 999 | 25 | 113 | 108 | 127 | | | | |
| SATURDAY | | | | | | | | | | | | | | | | | |
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| SUNDAY | | | | | | | | | | | | | | | | | |
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AKC-0007752

7.\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 | 8/29 | 7 AM | 7.0 | 14 | 11.11 | 10.00 | — | — | 999 | 38 | 88 | 83 | 130 | | | | |
| | | 3 PM | 6.0 | 10 | 9.75 | 10.34 | — | — | 1800 | 69 | 110 | 117 | 126 | | | | |
| | | 11PM | 5.4 | 9 | 12.85 | 10.34 | — | — | 2581 | 113 | 116 | 126 | 126 | | | | |
| TUESDAY | 8/30 | 7 AM | 5.2 | 7 | 11.52 | 10.22 | — | — | 2581 | 120 | 104 | 103 | 118 | | | | Cycles not Reset |
| | | 3 PM | 3.9 | 5 | 9.91 | 10.79 | — | — | 1706 | 217 | 120 | 116 | 130 | | | | |
| | | 11PM | 3.6 | 3 | 12.19 | 11.09 | — | — | 2600 | 244 | 113 | 111 | 127 | | | | |
| WEDNESDAY | 8/31 | 7 AM | 3.6 | 3 | 12.49 | 10.96 | — | — | 2600 | 267 | 112 | 112 | 124 | | | | |
| | | 3 PM | 2.0 | 12 | 9.77 | 11.04 | — | — | 1809 | 79 | 120 | 120 | 131 | | | | |
| | | 11PM | 1.5 | 9 | 10.17 | 11.14 | — | — | 3025 | 102 | 123 | 122 | 124 | | | | |
| THURSDAY | 9/1 | 7 AM | 1.5 | 9 | 10.98 | 10.95 | — | — | 3025 | 108 | 102 | 103 | 113 | | | | |
| | | 3 PM | 4.4 | 6 | 10.03 | 10.82 | — | — | 1183 | 202 | 112 | 122 | 131 | | | | |
| | | 11PM | 4.1 | 5 | 10.90 | 10.80 | — | — | 1762 | 117 | 117 | 123 | 130 | | | | |
| FRIDAY | 9/2 | 7 AM | 4.1 | 3 | 11.20 | 10.71 | — | — | 1762 | 225 | 112 | 111 | 116 | | | | |
| | | 3 PM | 15.4 | 14 | 10.70 | 10.76 | — | — | 1615 | 75 | 122 | 120 | 127 | | | | |
| | | 11PM | 15.1 | 12 | 10.04 | 11.14 | — | — | 781 | 7 | 111 | 128 | 127 | | | | ? |
| SATURDAY | | | | | | | | | | | | | | | | | |
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| SUNDAY | | | | | | | | | | | | | | | | | |
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AKC-0007753