# Industrial Waste Discharge 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-0008314

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

*Please indicate reporting period:*

**Month** April_____ **2004**__ **Quarter** 1 2 3 4 (circle one) **20**____ **Semi-Annual** **Annual** (circle one) **20**____

All units are mg/l unless otherwise noted.

| Sample Date (circle) | Sample Type C (composite) or G (grab) | pH Min | pH Max | Cadmium, Cd | Chromium, Cr | Copper, Cu | Lead, Pb | Mercury, Hg | Nickel, Ni | Silver, Ag | Zinc, Zn | Cyanide, CN | Fats, Oils, and Grease (FOG) | Other Parameters | | Flow (GPD) Industrial | Notes (Indicate Batch Discharges) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (1) | C | 9.6 | 9.7 | | .22 | .32 | | | .27 | | .05 | | | | | 2227 | |
| 2 | | 9.6 | 9.7 | | | | | | | | | | | | | 1784 | |
| 3 | | 9.5 | 9.6 | | | | | | | | | | | | | 2021 | |
| 4 | | ------ | ------ | | | | | | | | | | | | | ---------- | |
| 5 | | 9.4 | 9.4 | | | | | | | | | | | | | 1405 | |
| 6 | | 9.5 | 9.6 | | | | | | | | | | | | | 2043 | |
| 7 | | 9.5 | 9.6 | | | | | | | | | | | | | 2273 | |
| 8 | | 9.6 | 9.7 | | | | | | | | | | | | | 1856 | |
| (9) | C | 9.8 | 9.9 | | .25 | .38 | | | .31 | | .05 | | | | | 1631 | |
| 10 | | ------ | ------ | | | | | | | | | | | | | ---------- | |
| 11 | | ------ | ------ | | | | | | | | | | | | | ---------- | |
| 12 | | 9.7 | 9.8 | | | | | | | | | | | | | 2132 | |
| 13 | | 9.8 | 10.0 | | | | | | | | | | | | | 1941 | |
| 14 | | 9.9 | 9.9 | | | | | | | | | | | | | 1570 | |
| (15) | C | 9.9 | 9.9 | | | | | | | | | | | | | 1139 | |
| 16 | | 9.7 | 9.8 | | | | | | | | | | | | | 1174 | |
| 17 | | ------ | ------ | | | | | | | | | | | | | ---------- | |
| 18 | | ------ | ------ | | | | | | | | | | | | | ---------- | |
| 19 | | 9.6 | 9.7 | | | | | | | | | | | | | 2152 | |
| 20 | | 9.7 | 9.8 | | | | | | | | | | | | | 1988 | |
| 21 | | 9.8 | 9.9 | | | | | | | | | | | | | 1397 | |
| (22) | C | 9.8 | 9.9 | | .34 | .44 | | | .33 | | .06 | | | | | 1546 | |
| 23 | | 9.7 | 9.8 | | | | | | | | | | | | | 2024 | |
| 24 | | ------ | ------ | | | | | | | | | | | | | ---------- | |
| 25 | | ------ | ------ | | | | | | | | | | | | | ---------- | |
| 26 | | 9.7 | 9.8 | | | | | | | | | | | | | 2015 | |
| 27 | | 9.7 | 9.8 | | | | | | | | | | | | | 2087 | |
| 28 | | 9.6 | 9.8 | | | | | | | | | | | | | 1931 | |
| 29 | | 9.6 | 9.7 | | | | | | | | | | | | | 1634 | |
| (30) | C | 9.8 | 9.9 | | .35 | .47 | | | .39 | | .05 | | | | | 2093 | |
| 31 | | ------ | ------ | | | | | | | | | | | | | ---------- | |

| | | | |
|---|---|---|---|
| Monthly Min pH | 9.4 | & Date | 4-5-04 |
| Monthly Max pH | 10.0 | & Date | 4-13-04 |
| Total Monthly Flow (gallons) | 42063 | | |
| Maximum Daily Flow | 2273 | & Date | 4-8-04 |

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.

Signature of Principal Executive or Authorized Agent — Date 5/14/04

**PLEASE CIRCLE ALL PERMIT VIOLATIONS**

*This form is available at http://dnr.metrokc.gov/wlr/indwaste/index.htm*

# Industrial Waste Discharge 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-0008315

Company Name ALASKAN COPPER WORKS_____ Sample Site No. A-4009_____ Permit/DA No. 7201_____

*Please indicate reporting period:*

**Month April_____ 2004__** **Quarter 1 2 3 4 20_____** *(circle one)* **Semi-Annual Annual 20_____** *(circle one)*

All units are mg/l unless otherwise noted.

| Sample Date (circle) | Sample Type C (composite) or G (grab) | pH Min | pH Max | Cadmium, Cd | Chromium, Cr | Copper, Cu | Lead, Pb | Mercury, Hg | Nickel, Ni | Silver, Ag | Zinc, Zn | Cyanide, CN | Fats, Oils, and Grease (FOG) | Other Parameters | | Flow (GPD) Industrial | Notes (Indicate Batch Discharges) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
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| 30 | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | |

NOT IN USE THIS MONTH

Monthly Min pH [ ] & Date [ ]
Monthly Max pH [ ] & Date [ ]

Total Monthly Flow (gallons) [ ]
Maximum Daily Flow [ ] & Date [ ]

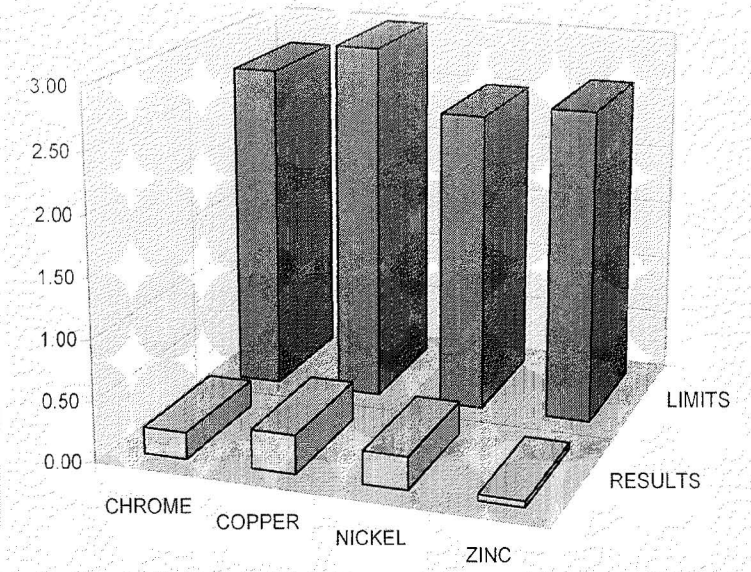
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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 tested.

Signature of Principal Executive or Authorized Agent: [signature] Date: 5/14/04

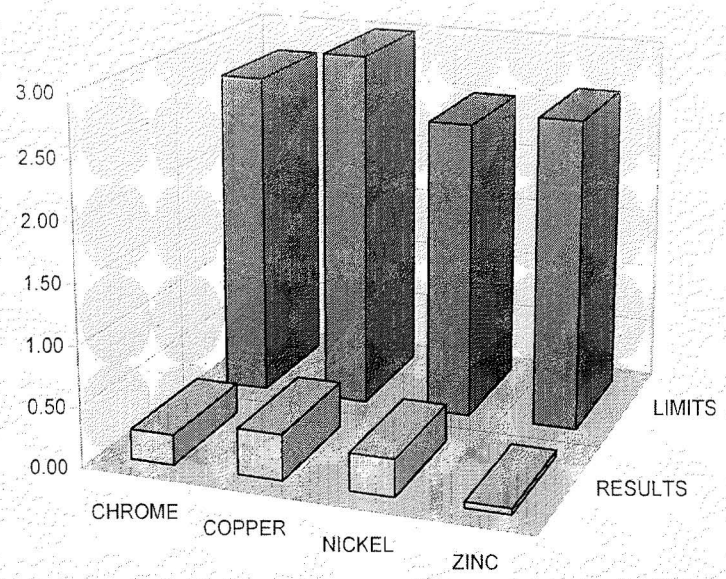
**PLEASE CIRCLE ALL PERMIT VIOLATIONS**

*This form is available at http://dnr.metrokc.gov/wlr/indwaste/index.htm*

# APRIL
## METRO LIMITS




**ALASKAN COPPER WORKS**
3200 FACILITY
APRIL 1, 2004
COMPOSITE M104008



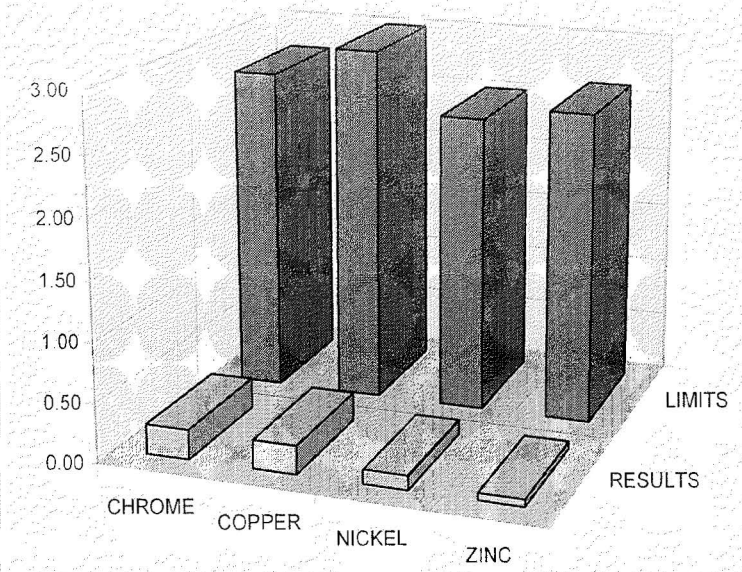

**ALASKAN COPPER WORKS**
3200 FACILITY
APRIL 9, 2004
COMPOSITE M104067

VISUAL REPRESENTATION OF THE LAB RESULTS

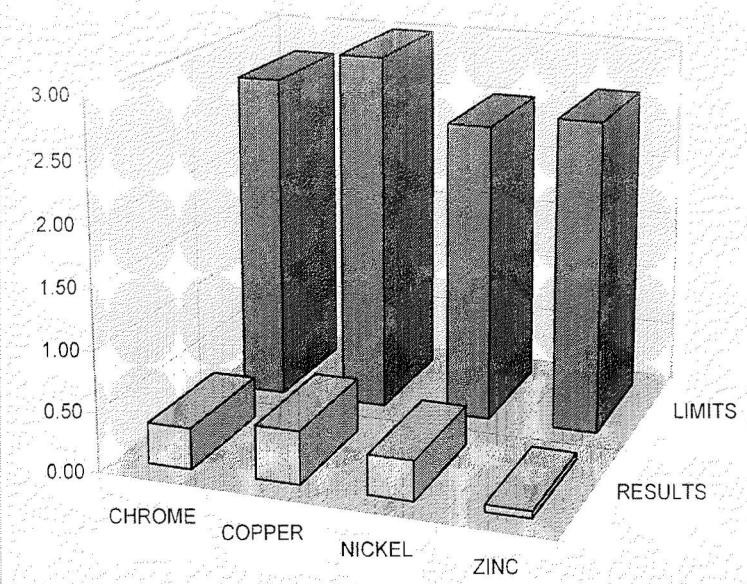
| | CHROME | COPPER | NICKEL | ZINC |
|---|---|---|---|---|
| RESULTS | 0.22 | 0.32 | 0.27 | 0.05 |
| LIMITS | 2.75 | 3.00 | 2.50 | 2.61 |

| | CHROME | COPPER | NICKEL | ZINC |
|---|---|---|---|---|
| RESULTS | 0.25 | 0.38 | 0.31 | 0.05 |
| LIMITS | 2.75 | 3.00 | 2.50 | 2.61 |

# APRIL
# METRO LIMITS




**ALASKAN COPPER WORKS**
3200 FACILITY
APRIL 15, 2004
COMPOSITE M93122



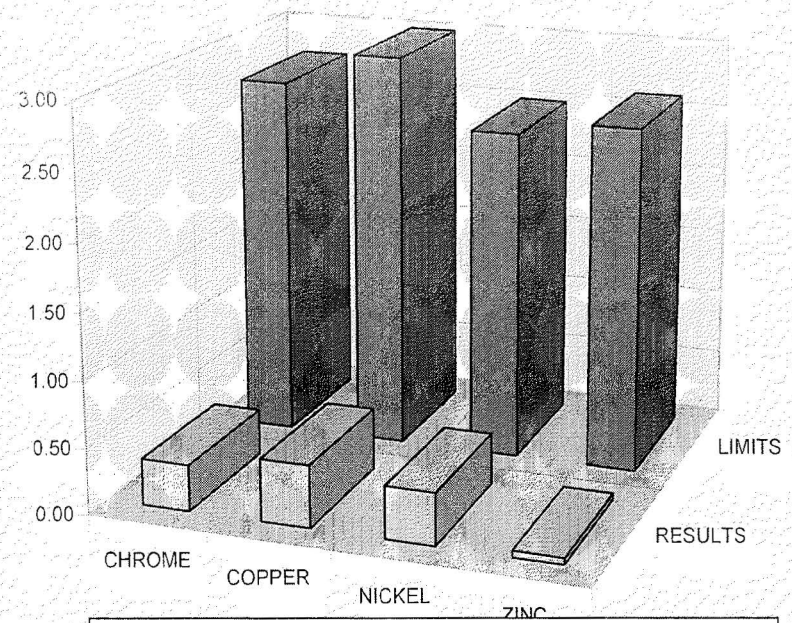

**ALASKAN COPPER WORKS**
3200 FACILITY
APRIL 29, 2004
COMPOSITE M104108

VISUAL REPRESENTATION OF THE LAB RESULTS

| | CHROME | COPPER | NICKEL | ZINC |
|---|---|---|---|---|
| RESULTS | 0.25 | 0.24 | 0.12 | 0.06 |
| LIMITS | 2.75 | 3.00 | 2.50 | 2.61 |

| | CHROME | COPPER | NICKEL | ZINC |
|---|---|---|---|---|
| RESULTS | 0.34 | 0.44 | 0.33 | 0.06 |
| LIMITS | 2.75 | 3.00 | 2.50 | 2.61 |

APRIL
METRO LIMITS




**ALASKAN COPPER WORKS**
3200 FACILITY
APRIL 30, 2004
COMPOSITE M93263

VISUAL REPRESENTATION OF THE LAB RESULTS

| | CHROME | COPPER | NICKEL | ZINC |
|---|---|---|---|---|
| RESULTS | 0.35 | 0.47 | 0.39 | 0.05 |
| LIMITS | 2.75 | 3.00 | 2.50 | 2.61 |

# Industrial Waste Discharge 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-0008319

Company Name ALASKAN COPPER WORKS_____ Sample Site No. A-4009_____ Permit/DA No. 7201_____

*Please indicate reporting period:*

Month April_____ 2004__ Quarter 1 2 3 4 20____ *(circle one)* Semi-Annual Annual 20____ *(circle one)*

All units are mg/l unless otherwise noted.

| Sample Date (circle) | Sample Type C (composite) or G (grab) | pH Min | pH Max | Cadmium, Cd | Chromium, Cr | Copper, Cu | Lead, Pb | Mercury, Hg | Nickel, Ni | Silver, Ag | Zinc, Zn | Cyanide, CN | Fats, Oils, and Grease (FOG) | Other Parameters | | Flow (GPD) Industrial | Notes (Indicate Batch Discharges) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
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| 30 | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | |

Monthly Min pH [ ] & Date [ ]
Monthly Max pH [ ] & Date [ ]

Total Monthly Flow (gallons) [ ]
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 tested.

Signature of Principal Executive or Authorized Agent Date

**PLEASE CIRCLE ALL PERMIT VIOLATIONS**

*This form is available at http://dnr.metrokc.gov/wlr/indwaste/index.htm.*

# Industrial Waste Discharge 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-0008320

Company Name ALASKAN COPPER WORKS_____ Sample Site No. A-4010_____ Permit/DA No. 7238_____

*Please indicate reporting period:*

Month April_____ 2004__ Quarter 1 2 3 4 20____ *(circle one)* Semi-Annual Annual 20____ *(circle one)*

All units are mg/l unless otherwise noted.

| Sample Date (circle) | Sample Type C (composite) or G (grab) | pH Min | pH Max | Cadmium, Cd | Chromium, Cr | Copper, Cu | Lead, Pb | Mercury, Hg | Nickel, Ni | Silver, Ag | Zinc, Zn | Cyanide, CN | Fats, Oils, and Grease (FOG) | Other Parameters | | Flow (GPD) Industrial | Notes (Indicate Batch Discharges) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (1) | C | 9.6 | 9.7 | | .22 | .32 | | | .27 | | .05 | | | | | 2227 | |
| 2 | | 9.6 | 9.7 | | | | | | | | | | | | | 1784 | |
| 3 | | 9.5 | 9.6 | | | | | | | | | | | | | 2021 | |
| 4 | | ------ | ------ | | | | | | | | | | | | | ---------- | |
| 5 | | 9.4 | 9.4 | | | | | | | | | | | | | 1405 | |
| 6 | | 9.5 | 9.6 | | | | | | | | | | | | | 2043 | |
| 7 | | 9.5 | 9.6 | | | | | | | | | | | | | 2273 | |
| 8 | | 9.6 | 9.7 | | | | | | | | | | | | | 1856 | |
| (9) | C | 9.8 | 9.9 | | .25 | .38 | | | .31 | | .05 | | | | | 1631 | |
| 10 | | ------ | ------ | | | | | | | | | | | | | ---------- | |
| 11 | | ------ | ------ | | | | | | | | | | | | | ---------- | |
| 12 | | 9.7 | 9.8 | | | | | | | | | | | | | 2132 | |
| 13 | | 9.8 | 10.0 | | | | | | | | | | | | | 1941 | |
| 14 | | 9.9 | 9.9 | | | | | | | | | | | | | 1570 | |
| (15) | C | 9.9 | 9.9 | | | | | | | | | | | | | 1139 | |
| 16 | | 9.7 | 9.8 | | | | | | | | | | | | | 1174 | |
| 17 | | ------ | ------ | | | | | | | | | | | | | ---------- | |
| 18 | | ------ | ------ | | | | | | | | | | | | | ---------- | |
| 19 | | 9.6 | 9.7 | | | | | | | | | | | | | 2152 | |
| 20 | | 9.7 | 9.8 | | | | | | | | | | | | | 1988 | |
| 21 | | 9.8 | 9.9 | | | | | | | | | | | | | 1397 | |
| (22) | C | 9.8 | 9.9 | | .34 | .44 | | | .33 | | .06 | | | | | 1546 | |
| 23 | | 9.7 | 9.8 | | | | | | | | | | | | | 2024 | |
| 24 | | ------ | ------ | | | | | | | | | | | | | ---------- | |
| 25 | | ------ | ------ | | | | | | | | | | | | | ---------- | |
| 26 | | 9.7 | 9.8 | | | | | | | | | | | | | 2015 | |
| 27 | | 9.7 | 9.8 | | | | | | | | | | | | | 2087 | |
| 28 | | 9.6 | 9.8 | | | | | | | | | | | | | 1931 | |
| 29 | | 9.6 | 9.7 | | | | | | | | | | | | | 1634 | |
| (30) | C | 9.8 | 9.9 | | .35 | .47 | | | .39 | | .05 | | | | | 2093 | |
| 31 | | ------ | ------ | | | | | | | | | | | | | ---------- | |

Monthly Min pH 9.4 & Date 4-5-04

Monthly Max pH 10.0 & Date 4-13-04

Total Monthly Flow (gallons) 42063

Maximum Daily Flow 2273 & Date 4-8-04

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.

Signature of Principal Executive or Authorized Agent Date

**PLEASE CIRCLE ALL PERMIT VIOLATIONS**

*This form is available at http://dnr.metrokc.gov/wlr/indwaste/index.htm.*

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 | 3/29 | 7 AM | 2.3 | 4 | 9.90 | 9.90 | — | — | 1807 | 112 | 111 | 113 | 89 | | | | 1803<br>849<br>2652<br>I must have Reset flow<br>However I'd swear I hadn't |
| | | 3 PM | 1.8 | 13 | 11.30 | 9.85 | — | — | 1803 | 24 | 101 | 94 | 105 | | | | |
| | | 11PM | 1.0 | 10 | 9.78 | 9.73 | — | — | 849? | 56 | 112 | 120 | 113 | | | | |
| TUESDAY | 3/30 | 7 AM | 31.0 | 10 | 9.80 | 9.74 | — | — | 2652 | 83 | 106 | 110 | 119 | | | | |
| | | 3 PM | 30.4 | 7 | 9. | 9.73 | — | — | 1694 | 67 | 112 | 128 | 129 | | | | |
| | | 11PM | 30.1 | 5 | 11.27 | 9.81 | — | — | 2716 | 109 | 121 | 126 | 114 | | | | |
| WEDNESDAY | 3/31 | 7 AM | 30.0 | 5 | 11.25 | 9.83 | — | — | 2716 | 142 | 115 | 118 | 129 | | | | |
| | | 3 PM | 29.5 | 16 | 10.37 | 9.85 | — | — | 898 | 37 | 118 | 115 | 123 | | | | |
| | | 11PM | 29.0 | 13 | 10.00 | 9.84 | — | — | 2101 | 89 | 119 | 127 | 113 | | | | |
| THURSDAY | 4/1 | 7 AM | 28.6 | 12 | 10.98 | 9.78 | — | — | 2227 | 118 | 115 | 112 | 121 | | | | |
| | | 3 PM | 27.5 | 7 | 10.98 | 9.75 | — | — | 1174 | 72 | 125 | 119 | 126 | | | | |
| | | 11PM | 26.7 | 5 | 10.44 | 9.67 | — | — | 1784 | 116 | 119 | 117 | 113 | | | | |
| FRIDAY | 4/2 | 7 AM | 26.5 | 5 | 9.83 | 9.70 | — | — | 1784 | 30 | 112 | 114 | 119 | | | | |
| | | 3 PM | 25.5 | 16 | 10.67 | 9.70 | — | — | 1310 | 65 | 124 | 119 | 130 | | | | |
| | | 11PM | 25.0 | 15 | 10.07 | 9.65 | — | — | 2021 | 95 | 121 | 118 | 117 | | | | |
| SATURDAY | 4/3 | 8:45 | 25.0 | 15 | 10.17 | 9.60 | — | — | 2021 | 111 | 112 | 111 | 102 | | | | |
| | | 5:00 | 23.7 | 10 | 9.82 | 9.52 | — | — | 1405 | 202 | 114 | 126 | 128 | | | | |
| SUNDAY | | | | | | | | | | | | | | | | | |

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

AKC-000832

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 | 4/5 | 7 AM | 23.5 | 10 | 10.21 | 9.40 | – | – | 1405 | 222 | 117 | 119 | 110 | | | | |
| | | 3 PM | 23.2 | 7 | 10.67 | 9.42 | – | – | 1251 | 33 | 116 | 127 | 130 | | | | |
| | | 11PM | 22.6 | 5 | 9.89 | 9.46 | – | – | 2043 | 72 | 123 | 119 | 113 | | | | |
| TUESDAY | 4/6 | 7 AM | 22.2 | 5 | 11.92 | 9.52 | – | – | 2043 | 103 | 113 | 117 | 121 | | | | |
| | | 3 PM | 21.6 | 18 | 9.93 | 9.55 | – | – | 1001 | 71 | 119 | 119 | 125 | | | | |
| | | 11PM | 20.6 | 14 | 9.89 | 9.63 | – | – | 2273 | 146 | 119 | 121 | 115 | | | | |
| WEDNESDAY | 4/7 | 7 AM | 20.0 | 14 | 11.50 | 9.61 | – | – | 2273 | 181 | 114 | 112 | 116 | | | | |
| | | 3 PM | 19.5 | 11 | 9.54 | 9.58 | – | – | 969 | 47 | 121 | 119 | 127 | | | | |
| | | 11PM | 19.0 | 10 | 11.18 | 9.53 | – | – | 1805 | 90 | 122 | 121 | 118 | | | | |
| THURSDAY | 4/8 | 7 AM | 18.7 | 10 | 11.30 | 9.60 | – | – | 1856 | 106 | 113 | 111 | 116 | | | | |
| | | 3 PM | 17.9 | 6 | 11.99 | 9.67 | – | – | 1116 | 69 | 115 | 128 | 130 | | | | |
| | | 11PM | 17.4 | 5 | 11.42 | 9.74 | – | – | 1631 | 106 | 119 | 122 | 117 | | | | |
| FRIDAY | 4/9 | 7 AM | 17.4 | 5 | 11.36 | 9.84 | – | – | 1631 | 142 | 117 | 113 | 113 | | | | |
| | | 3 PM | 16.4 | 18 | 12.03 | 9.87 | – | – | 771 | 31 | 126 | 120 | 128 | | | | |
| | | 11PM | 15.9 | 14 | 10.61 | 9.96 | – | – | 2020 | 88 | 118 | 125 | 118 | | | | |
| SATURDAY | | | | | | | | | | | | | | | | | |
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| SUNDAY | | | | | | | | | | | | | | | | | |
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\WOUT\500-0007, 03/04/99

AKC-0008322

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 | 4/12 | 7 AM | 15.8 | 14 | 10.35 | 9.80 | — | — | 2132 | 88 | 122 | 127 | 119 | | | | |
| | | 3 PM | 15.4 | 13 | 11.05 | 9.71 | — | — | 914 | 30 | 125 | 123 | 130 | | | | |
| | | 11PM | 15.1 | 10 | 10.00 | 9.82 | — | — | 1877 | 46 | 118 | 118 | 115 | | | | |
| TUESDAY | 4/13 | 7 AM | 15.1 | 10 | 9.86 | 9.87 | — | — | 1941 | 49 | 116 | 121 | 118 | | | | |
| | | 3 PM | 14.5 | 7 | 11.80 | 10.00 | — | — | 568 | 38 | 123 | 119 | 126 | | | | |
| | | 11PM | 14.3 | 5 | 10.82 | 10.01 | — | — | 1570 | 57 | 113 | 113 | 111 | | | | |
| WEDNESDAY | 4/14 | 7 AM | 14.3 | 5 | 10.05 | 9.99 | — | — | 1570 | 64 | 110 | 120 | 104 | | | | Forgot to Reset flow + cycles |
| | | 3 PM | 14.3 | 19 | 10.15 | 9.99 | — | — | 2171 | 81 | 126 | 118 | 126 | | | | |
| | | 11PM | 14.0 | 17 | 10.16 | 9.95 | — | — | 2709 | 96 | 124 | 118 | 115 | | | | |
| THURSDAY | 4/15 | 7 AM | 13.8 | 17 | 10.62 | 9.92 | — | — | 1139 / 2709 | 38 / 102 | 115 | 122 | 117 | | | | 2709 − 1570 = 1139; 96 − 64 = 38 |
| | | 3 PM | 13.8 | 15 | 9.78 | 9.90 | — | — | 717 | 27 | 121 | 118 | 126 | | | | |
| | | 11PM | 13.3 | 13 | 10.12 | 9.90 | — | — | 1174 | 46 | 121 | 119 | 114 | | | | |
| FRIDAY | 4/16 | 7 AM | 13.3 | 14 | 11.23 | 9.92 | — | — | 1174 | 71 | 111 | 115 | 113 | | | | |
| | | 3 PM | 12.8 | 10 | 11.19 | 9.93 | — | — | 1447 | 47 | 122 | 125 | 125 | | | | |
| | | 11PM | 11.7 | 8 | 11.8 | 9.89 | — | — | 2152 | 127 | 124 | 129 | 117 | | | | |
| SATURDAY | 4/17 | 7.00 | 11.7 | 8 | 12.05 | 9.88 | — | — | 2152 | 127 | 114 | 114 | 102 | | | | |
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| SUNDAY | | | | | | | | | | | | | | | | | |
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\WOUT\500-0007, 03/04/99

AKC-00083

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 | 4/19 | 7 AM | 10.7 | 6 | 11.25 | 9.68 | — | — | 2152 | 34 | 126 | 129 | 130 | | | | |
| | | 3 PM | 10.7 | 5 | 10.15 | 9.67 | — | — | 975 | 30 | 121 | 117 | 125 | | | | |
| | | 11PM | 9.9 | 3 | 10.01 | 9.72 | — | — | 1988 | 101 | 109 | 111 | 117 | | | | |
| TUESDAY | 4/20 | 7 AM | 9.9 | 18 | 11.35 | 9.71 | — | — | 1888 | 105 | 107 | 110 | 120 | | | | |
| | | 3 PM | 9.3 | 15 | 9.50 | 9.71 | — | — | 11.03 | 57 | 121 | 119 | 128 | | | | |
| | | 11PM | 8.8 | 14 | 11.01 | 9.82 | — | — | 1397 | 1? | 119 | 122 | 115 | | | | |
| WEDNESDAY | 4/21 | 7 AM | 8.3 | 14 | 12.79 | 9.85 | — | — | 1357 | 1? | 118 | 117 | 117 | | | | |
| | | 3 PM | 8.0 | 12 | 9.70 | 9.87 | — | — | 910 | 29 | 123 | 118 | 130 | | | | |
| | | 11PM | 7.7 | 10 | 9.85 | 9.90 | — | — | 1546 | 63 | 119 | 118 | 117 | | | | |
| THURSDAY | 4/22 | 7 AM | 7.5 | 9 | 10.02 | 9.85 | — | — | 1546 | 103 | 112 | 116 | 117 | | | | |
| | | 3 PM | 6.7 | 22 | 10.91 | 9.93 | — | — | 1350 | 67 | 125 | 120 | 130 | | | | |
| | | 11PM | 6.2 | 19 | 10.45 | 9.85 | — | — | 2024 | 136 | 120 | 124 | 114 | | | | |
| FRIDAY | 4/23 | 7 AM | 5.9 | 19 | 9.99 | 9.82 | — | — | 2024 | 156 | 120 | 120 | 117 | | | | |
| | | 3 PM | 5.4 | 16 | 10.62 | 9.79 | — | — | 1229 | 33 | 119 | 121 | 127 | | | | |
| | | 11PM | 4.9 | 16 | 10.06 | 9.81 | — | — | 2015 | 57 | 125 | 127 | 113 | | | | |
| SATURDAY | | | | | | | | | | | | | | | | | |
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| SUNDAY | | | | | | | | | | | | | | | | | |
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AKC-00083

\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 | 4/20 | 7 AM | 4.9 | 15 | 9.64 | 9.86 | — | — | 2015 | 62 | 120 | 118 | 90 | | | | |
| | | 3 PM | 4.4 | 14 | 9.58 | 9.81 | — | — | 1088 | 54 | 126 | 116 | 180 | | | | |
| | | 11PM | 3.6 | 12 | 11.20 | 9.75 | — | — | 2055 | 137 | 121 | 119 | 109 | | | | |
| TUESDAY | 4/21 | 7 AM | 3.3 | 12 | 10.05 | 9.76 | — | — | 2088 | 150 | 113 | 115 | 120 | | | | |
| | | 3 PM | 2.3 | 10 | 9.99 | 9.81 | — | — | 823 | 62 | 119 | 118 | 126 | | | | |
| | | 11PM | 1.5 | 8 | 9.88 | 9.83 | — | + | 1931 | 172 | 125 | 122 | 108 | | | | |
| WEDNESDAY | 4/22 | 7 AM | 5.1 | 7 | 11.89 | 9.84 | — | — | 1931 | 202 | 119 | 126 | 122 | | | | |
| | | 3 PM | 4.6 | 5 | 9.95 | 9.77 | — | — | 602 | 66 | 119 | 127 | 126 | | | | |
| | | 11PM | 4.1 | 17 | 10.54 | 9.68 | — | — | 1634 | 117 | 120 | 119 | 121 | | | | |
| THURSDAY | 4/25 | 7 AM | 4.1 | 17 | 10.49 | 9.63 | — | — | 1634 | 137 | 112 | 114 | 108 | | | | |
| | | 3 PM | 3.3 | 14 | 10.52 | 9.67 | — | — | 1112 | 188 | 125 | 118 | 119 | | | | |
| | | 11PM | 2.8 | 12 | 10.41 | 9.70 | — | — | 2093 | 236 | 128 | 122 | 118 | | | | |
| FRIDAY | 4/30 | 7 AM | 2.8 | 12 | 11.40 | 9.81 | — | — | 2093 | 241 | 119 | 118 | 126 | | | | |
| | | 3 PM | 1.8 | 10 | 10.70 | 9.92 | — | — | 488 | 39 | 122 | 128 | 126 | | | | |
| | | 11PM | 1.2 | 8 | 9.80 | 9.94 | — | — | 1311 | 105 | 125 | 128 | 112 | | | | |
| SATURDAY | | | | | | | | | | | | | | | | | |
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| SUNDAY | | | | | | | | | | | | | | | | | |
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AKC-000832

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

# SAMPLE CHAIN OF CUSTODY

Send Report To: Charlene Morrow

Company: F&BI

Address: see below

City, State, ZIP:

Phone #: Fax #:

SAMPLERS *(signature)*

PROJECT NAME/NO.: ~~403~~ 404139

PO #: F-391

REMARKS: samples are very acidic

Page # ____ of ____

TURNAROUND TIME
- ☒ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | O&G by 1664 no silica | Total Hg by 7470/7471 | Total As, Cu, Pb, Zn by 6020 | TCLP Hg by 7470 (sample is TCLP extract) | Total RCRA Metals by 6020/7470 | Fluoride by 300.0 | | | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M93121A Large | | 4-15-03 | 1000 | aqueous | 1 | | | | | | X | | | | |
| M93121B | | 4-15-03 | 1000 | " | 1 | | | | | | X | | | | |
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| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---|---|---|---|---|
| Relinquished by: Charlene Morrow | Charlene Morrow | F&BI | 4-16-04 | 0830 |
| Received by: | | | | |
| Relinquished by: | | | | |
| Received by: | | | | |

*Friedman & Bruya, Inc.*
*3012 16th Avenue West*
*Seattle, WA 98119-2029*
*Ph. (206) 285-8282*
*Fax (206) 283-5044*

FORMS\COC\COC.DOC