6/10/86

1987 chemical usage

chemicals possibly considered reportable – 10,000 LB

LB – THRESHOLD

Chemical	QUANTITY Purchasing	QUANTITY Acts payable	AS RECORDED BY RESPECTIVE SOURCE Supplier	IN LBS TOTAL USED
Ammonium Bifluoride	5150 LBS	5150 LBS	5150 LBS	5150
Nitric Acid	14,400	14310 LBS	14670	14,310
Sodium Hydroxide 50% solution	9240 LBS	9240 LBS	VAN H_2O's & ROGERS 9240 LBS (14 X 660 LBS)	≈ 9240 LB
Kleen-All	297 3808 LBS	279 cases 3577.5 LBS	(310 CASES) 3975 LBS	3577.5 LB
iii TRICHLORO ETHANE)	4978	4742.50	5145 LBS	4742.50
iii TRICHLORO ETHANE SM	1170 LBS	1170 LBS 2 DRUMS	1170 LBS (2 DRUMS) VAN H_2O's & Rogers	≈ 1170 LB
ACETONE	660 LBS	11 cases X 6 X 10 LBS = 660	660 LBS	≈ 660 LBS

METRO

Waste Discharge Self Monitoring Report

(Report On Only Those Parameters Specified By Your Permit)

DMH

Mail to: Metro, Industrial Waste Section
821 Second Avenue, M.S. ~~H~~ 4B, Seattle, WA 98104

Company Name ALASKAN COPPER WORKS-6th AVE. SOUTH Month MAY 1988 No. of Employees (per day) Average 20 Maximum 100

Permit No. 7238 Station No. A4010 Site No. N/A All units mg/l unless otherwise noted Industry Type 40CFR413

SAMPLE DATES (Circle)	SAMPLE TYPE (Daily, Composite, or Grab)	pH MIN	pH MAX	SETTABLE SOLIDS (ml/l)	OIL & GREASE	Arsenic, As	Aluminum, Al	Cadmium, Cd	Chromium, Cr (Total)	Copper, Cu	Lead, Pb	Mercury, Hg	Nickel, Ni	Selenium, Se	Silver, Ag	Zinc, Zn	Total Metals	Cyanide, CN,A	Cyanide, CN,T	Fluorene, F	Phosphorus, P				TTO	Flow (GPD) Total	Flow (GPD) Industrial	Flow (GPD) Other	Comment and Explanation of Any Violations
1																													
2																													
3		6.0	6.5	11.5	1ml				0.64	0.40	0.47	0.34		0.49	0.46		0.092	0.062	1.69	1.26						1723			
4																													
5																										950			
6																													
7																													
8																													
9																													
10		6.5	6.0	11.5	1ml				0.78	0.64	0.50	0.25		0.52	0.40		0.086	0.08	1.89	1.37						950			
11																													
12																										850			
13																													
14																													
15																													
16																													
17		6.0	6.5	11.5	2ml				5.7	0.67	1.3	0.56		2.6	0.52		0.35	0.086	9.95	1.84						935			
18																													
19																										930			
20																													
21																													
22																													
23																													
24		6.0	6.0	11.5	1ml				0.47	0.48	0.46	0.35		0.32	0.37		0.09	0.11	1.34	1.31						834			
25																													
26																										659			
27																													
28																													
29																													
30																													
31																													
Min																													
Max																													
Average																													

Please Circle all Permit Violations

I certify that I am familiar with the information contained in this report and that to the best of my knowledge such information is true, complete and accurate. I am

Signature of Principal Executive or Authorized Agent

Comments:

AKC-0015389

METRO

Waste Discharge Self Monitoring Report

(Report On Only Those Parameters Specified By Your Permit)

Mail to: Metro, I
821 Sec

Company Name ALASKAN COPPER WORKS-E.MARGINAL WAY Month MAY 1988 No. of Employees (per day) Average 6

Permit No. 7201 Station No. A4009 Site No. N/A

All units mg/l unless otherwise noted Industry

SAMPLE DATES (Circle)	SAMPLE TYPE (Daily, Composite, or Grab)	pH MIN	pH MAX	SETTABLE SOLIDS (ml/l)	OIL & GREASE	Arsenic, As	Aluminum, Al	Cadmium, Cd	Chromium, Cr (Total)	Copper, Cu	Lead, Pb	Mercury, Hg	Nickel, Ni	Selenium, Se	Silver, Ag	Zinc, Zn	Total Metals	Cyanide, CN,A	Cyanide, CN,T	Fluoride, F	Phosphorus, P				TTO	Flow (GPD) Total	Flow (GPD) Industrial	Flow (GPD) Other	Comm
1																													
2																													
3		7.0	8.5	0.1					0.20	0.037			0.09			0.19	0.517									-0-			No Ac
4																													
5																													
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Average																													

Please Ci[illegible] ll Permit Violations

I certify that I am familiar with the information contained in this report and t[illegible] the best of my knowledge such information is true, complete and accurate. I am [illegible]

Signature of Principal Executive or Authorized Agent

Comments:

AKC-0015390

ALASKAN COPPER CO.
WEEKLY EFFLUENT REPORT

STARTING DATE 5, 2, 88 LOCATION 3200 16th Ave S.

ENDING DATE 5, 7, 88 TECHNICIAN Derek

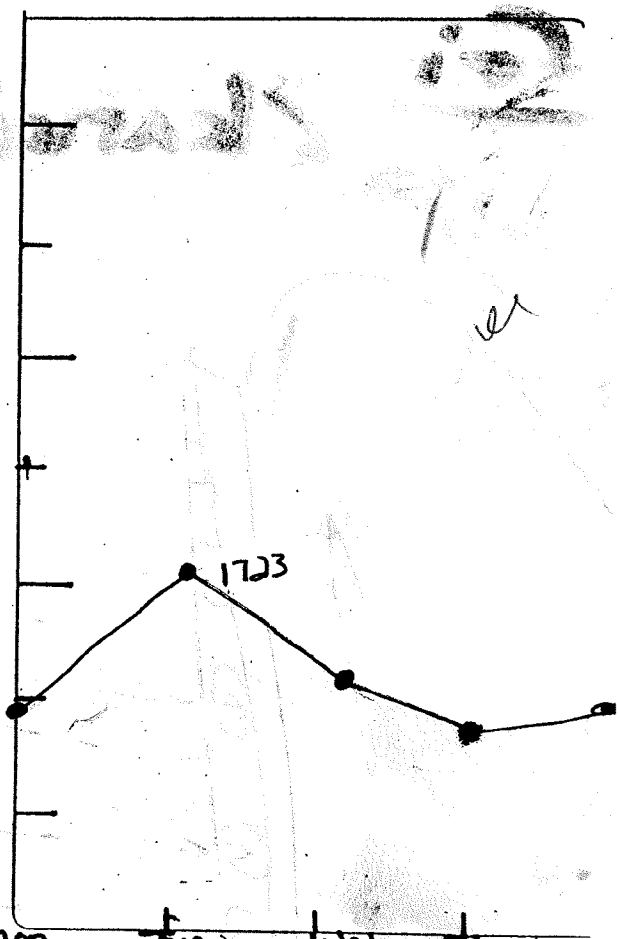
Total # of Gals Used weekly

monday

3 X 1.7 =

Time to put NAOH on Heat.
& Check B/R Timmer
Completed all.
Grepebbel did All duties
Saturday & made
Comments Regarding
Bag's w/small leak

Barrel Monitor
in. 3.5"
- in. .5
= in. 3



	mon	tue	wed	thurs
# cycles	5	5	7	7
		1.75"	1.	

ues

Time for New Bag's
Completed all duties
& check all systems

led

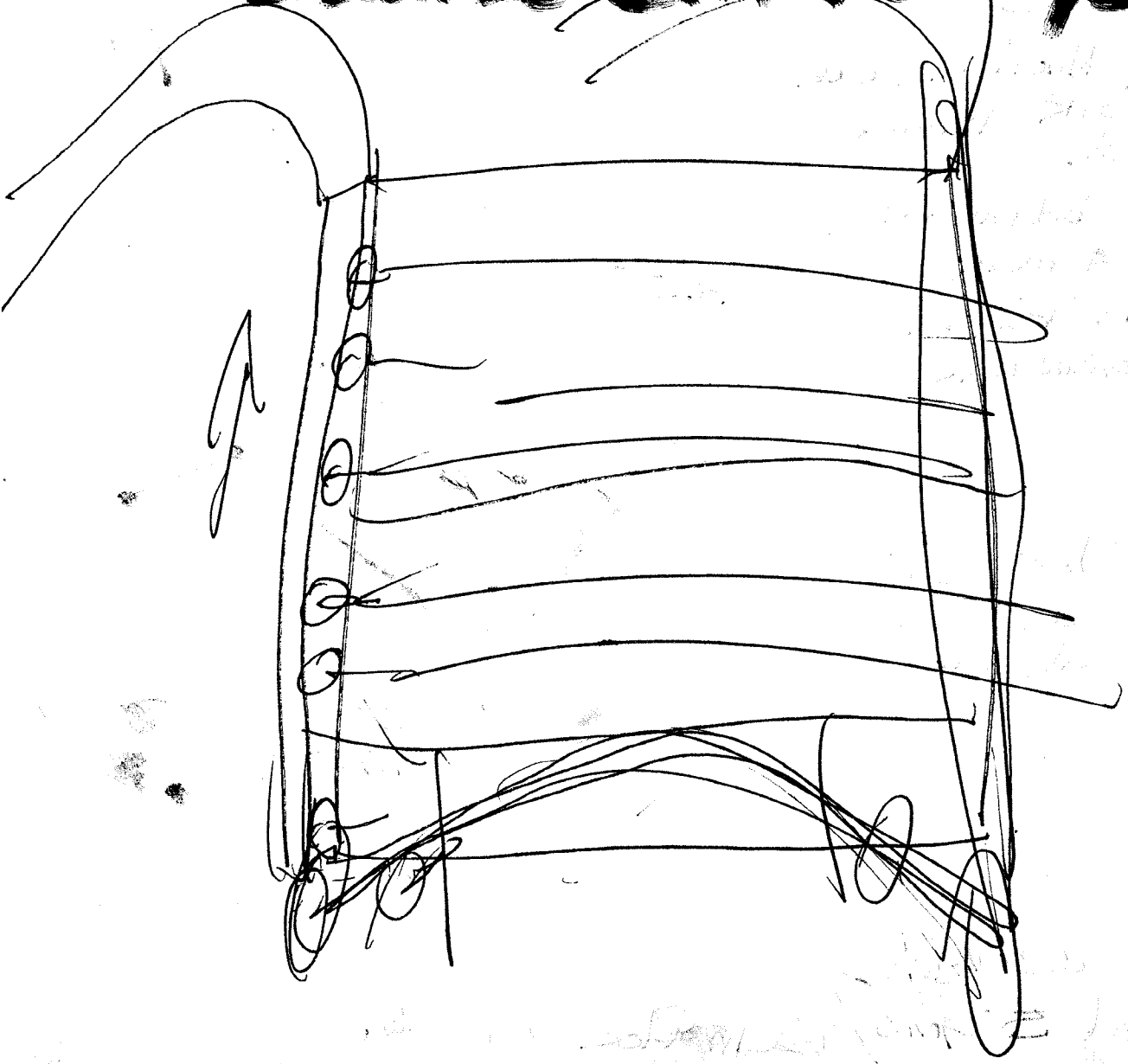
same did All duties
Added 5 gals/Beta-floc + water

Thurs

Time for NaOH to be heated
down low All duties completed

Fri

Cleared Entire System



ALASKAN COPPER CO.
WEEKLY EFFLUENT REPORT

STARTING DATE 5, 9, 88 LOCATION 3200 6th Ave S.

ENDING DATE 5, 14, 88 TECHNICIAN Derek

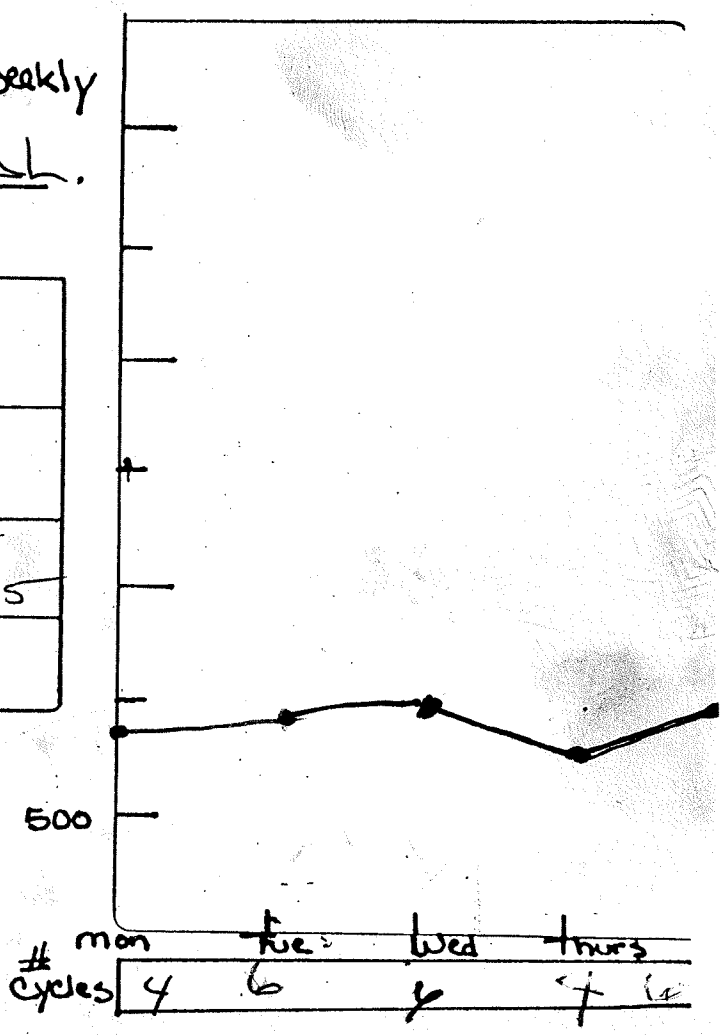
Total # of Gals Used weekly

monday

1 X 1.7 = 1.7 GAL.

completed duties painted Stripe & waiting for NAOH to heat completly
Nil on stick

Barrel Monitor
in. .5
28.5
− into 27.5
= in. 1



ues

took Records
Ph ok
Beta ok
Timmer ok
Stick on Nill
B/R Blewdown

led

completed all duties & Cleared Area

Thurs

Refilled Sodium Hydro
to 28.5"

ALASKAN COPPER Co.
WEEKLY EFFLUENT REPORT

STARTING DATE 5, 16, 88 LOCATION 3200 16th Ave S.

ENDING DATE 5, 21, 88 TECHNICIAN Derek

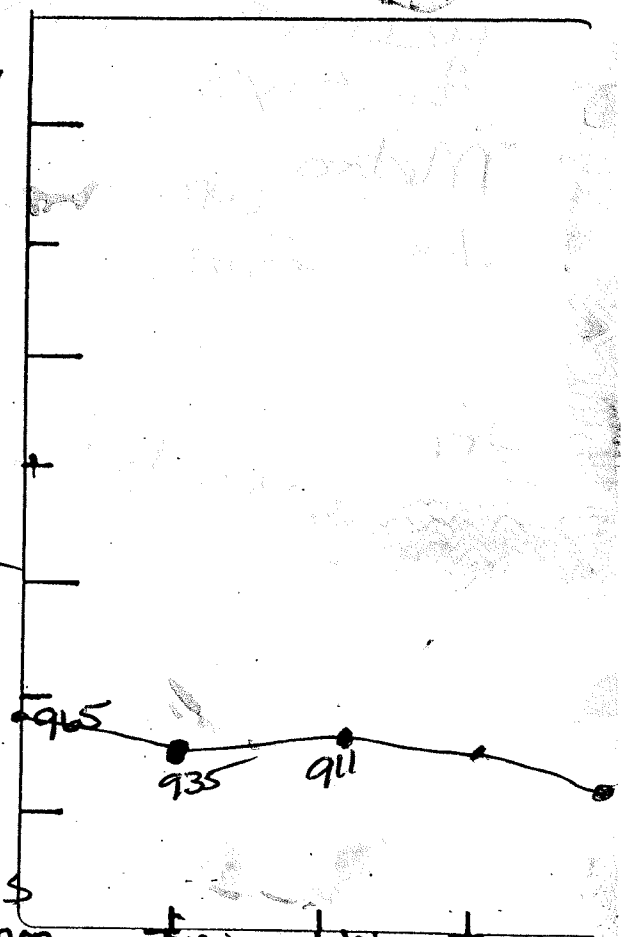
monday

Total # of Gals Used weekly

2.25 X 1.7 = 3.825

Cleaned system
Completed all
duties

Barrel Monitor
in. 27.5
− in. 25.25
= in. 2.25



ues

Took Sample 7:15
Completed all B/R Blew out sxs
New law must wear face
Shield within 5 ft of
tank

	mon	tue	wed	thurs
# cycles	6	4	4	4 6

led

Vince took Both samples
Set system

Thursday 19, 88

need to Get Valve for Holding tank
in Shack
completed all duties
Recieved pm Sheet for All sump's
& System took Both Samples
Metro was here About 11:00
Just familiarization for New Inspector

Fri completed duties & cleaned piping

ALASKAN COPPER Co.
WEEKLY EFFLUENT REPORT

STARTING DATE 5, 23, 88 LOCATION 3200 16th Ave S.

ENDING DATE 5, 27, 88 TECHNICIAN Derek

Total # of Gals Used weekly

4.5 X 1.7 = 7.65 gallons

Barrel Monitor
in. 20.25
− in. 20.75
= in. 4.5

nonday

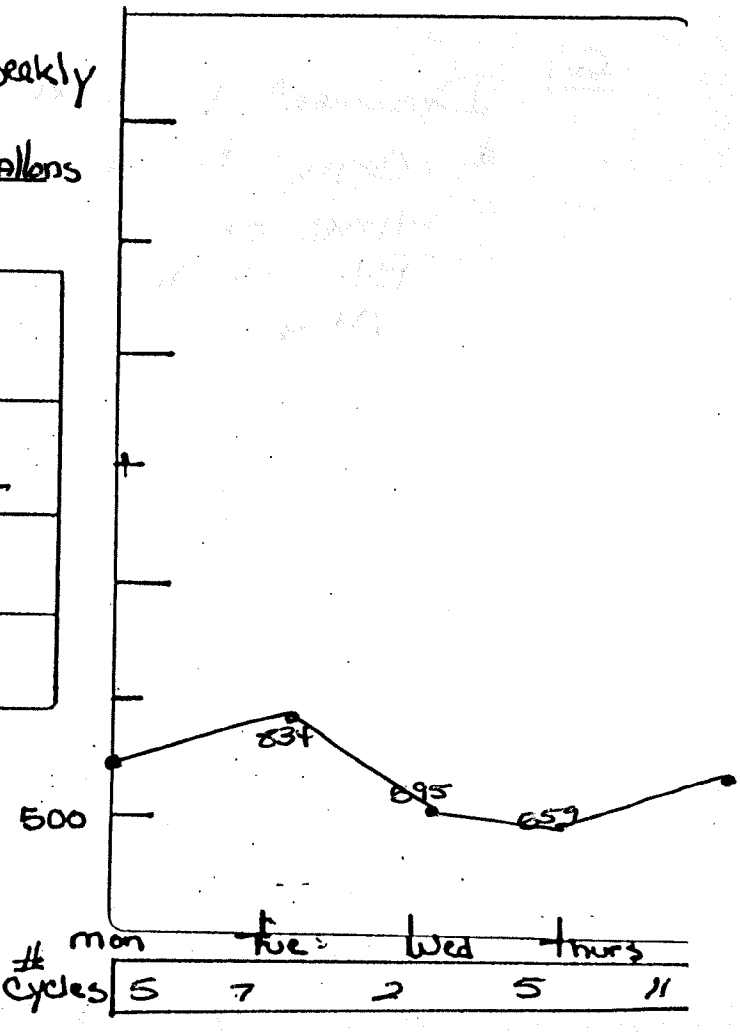
Checked all systems
Seems to be in good
Shape Need to pump
both sumps soon
Recieved pm sheet
w/ may 30th due date.
dissolved some neutralizer
into the system
& all systems A ok.

es

took sample cleaned
hopper's & pipes blew out
system.
Completly pumped
& cleaned both sumps
Spotless 1st sample Before 2nd
after

d

completed all duties &
Blew down Boiler need new Blow down control
valve. leaking Steam.



Thurs

needed to blow out system
& wash out Hopper's well
one Bag was leaking at seam but
only small amount

Fri Drained barrells from sump pump
& Completed Regular duties
TMR ok
B/R Blwdn
At ok

ALASKAN COPPER CO.
WEEKLY EFFLUENT REPORT

STARTING DATE 5/2/88 LOCATION 3600

ENDING DATE 5/6/88 TECHNICIAN GB

10 GALLONS OF WASTE EFFLUENT

---

3 CYCLES OF NaOH

---

31 GALLONS OF NaOH REMAIN

ALASKAN COPPER CO.
WEEKLY EFFLUENT REPORT

STARTING DATE 5/9/88 LOCATION 3600

ENDING DATE 5/13/88 TECHNICIAN GB

NO FLOW ACTIVITY THIS WEEK

31 GAL. OF NaOH REMAIN

ALASKAN COPPER CO.

WEEKLY EFFLUENT REPORT

STARTING DATE 5/16/88 LOCATION 3600

ENDING DATE 5/20/88 TECHNICIAN GB

NO ACTIVITY FOR THIS WEEK.