

Henderson, Katie

From: Torrence, Rufus
Sent: Wednesday, April 04, 2012 8:40 AM
To: Lamb, Milton (mlamb@algonquin-industries.com)
Cc: Henderson, Katie
Subject: ARP000020 AR0021580 AFIN 47-00209 Algonquin March 2012 Semi-Annual Report
Attachments: AGQ Mar 2012 SAR.pdf



A R K A N S A S
Department of Environmental Quality

April 3, 2012

Milton Lamb, Plant Engineer
Algonquin Industries
1800 Highway 61 South
Osceola, AR 72370

Re: Algonquin's March 2012 Semi-Annual Report
(Permit No. AR0021580 AFIN 47-00209)

Dear Mr. Lamb:

The Department has reviewed Algonquin's March 2012 Semi-annual Pretreatment Report and the report is complete.

In the future when Algonquin sends a semi-annual report to ADEQ by email, please be sure to send a signed PDF copy.

The Department appreciates Molex's continued efforts in semi-annual reporting. If you have any questions or concerns, please contact the Department at (501) 682-0626 or by email at torrence@adeq.state.ar.us.

Sincerely,

A handwritten signature in blue ink that reads "Rufus Torrence". The signature is written in a cursive, flowing style.

Rufus Torrence, Pretreatment Engineer
Water Division

ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY
5001 NORTHSHORE DRIVE / NORTH LITTLE ROCK / ARKANSAS 72118-5317 / TELEPHONE 501-682-5000
www.adeq.state.ar.us

SEMI-ANNUAL REPORT FOR USERS REGULATED BY THE AI & Cu FORMING CATEGORIES

ATTN: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION

A. LEGAL NAME & MAILING ADDRESS
 Algonquin Industries, Osceola Plant
 1800 Highway 61 South
 Osceola, AR 72370

B. FACILITY & LOCATION ADDRESS
 Algonquin Industries, Osceola Plant
 1800 Highway 61 South
 Osceola, AR 72370

C. FACILITY CONTACT: Milton A. Lamb Jr. TELEPHONE NUMBER: 870-622-4418 mlamb@reawire.com

(2) REPORTING PERIOD--FISCAL YEAR

2011 (Both Semi-Annual Reports to Cover Fiscal Year)

A. MONTHS WHICH REPORTS ARE DUE
 September & March

B. PERIOD COVERED BY THIS REPORT
 FROM: September 30, 2011 – March 31, 2012

(3) DESCRIPTION OF OPERATION

PROCESS	PRODUCTION-OFF/LB	PRODUCTION DAYS ¹
Rolled Aluminum (\$467.15 Solution Heat Treatment)	Pond (157,305)	7/1/2011 – 3/20/2012 263 days #1
Extruded Aluminum (\$467.35 Core Die Cleaning)	1,848,991	Cumulative 9/30/2011 – 3/31/2012 172 #2
Extruded Aluminum (\$467.35 Press Heat Treatment) C300	1,489,978	10/23/2009 – 3/20/2012 689 days #3
(\$467.35 Press Heat Treatment) C500	NA	NA
(\$467.35 Press Heat Treatment) C350	754,369	5/31/2011 – 3/20/2012 294 days #3
(\$467.35 Cleaning or Etching Rinse) C350	NA	NA #5
(\$467.35 Cleaning or Etching Bath) C350	NA	NA #5
Rolled Copper (\$468.14(d) Solution Heat Treatment)	Pond (3,012,240)	7/1/2011 – 3/20/2011 263 days #4
Extruded Copper (\$468.14(k) Pickling Rinse) C285	7,660,806	9/1/2010 – 3/20/2011 566 days #6
(\$468.14(m) Pickling Bath) C285	7,660,806	9/1/2010 – 3/20/2011 566 days #6
(\$468.14(e) Extrusion Heat Treatment) C285	7,660,806	9/1/2010 – 3/20/2011 566 days #6

B. CHANGES: SUMMARIZE ANY CHANGES IN THE REGULATED PROCESSES SINCE THE LAST REPORT. ATTACH AN ADDITIONAL SHEET IF THE SPACE BELOW IS INADEQUATE. PROVIDE A NEW SCHEMATIC IF APPROPRIATE.

Report received by email on 4-3-2012 @ 6:12 am

Mar 2012 SAR
 Filedate 20120403

AFIN 47-00209
 ARP 00 00 20
 AR 00 21580

C. Number of Regular Employees at this Facility: 39

D. [Reserved]

(4) FLOW MEASUREMENT

B. INDIVIDUAL PROCESS WASTESTREAMS DISCHARGED TO POTW

Operation	Average Flow Rate (gpd)	Number of Discharge Days	Batch Discharge Volume	Type of Discharge	
Process:					
#1 §467.15 Solution Heat Treatment ¹ (Aluminum Rolling)	NA	1	NA	26,667 gallons discharged to the POTW July 1, 2011 (most recent discharge)	Batch discharge from recirculation pond
#2 §467.35 Cleaning or Etching Rinse (Aluminum Extrusion)	NA	5	NA	Not in service	Batch discharge to either POTW or waste oil tank
#5 467.35 Cleaning or Etching Bath (Aluminum Extrusion)	NA	5	NA	Not in service	Batch discharge to either POTW or waste oil tank
#8 §467.35 Press Heat Treatment (Aluminum Extrusion)	NA	3	NA	Not in service	Batch discharge from Aluminum Extrusion (C-350) Product Cooling Tank
#6 §468.14(m) Pickling Bath (Copper Extrusion)	NA	6	NA	Two 200-gallon tanks sent for disposal on September 1, 2010 (most recent discharge)	Batch discharge to either POTW or waste oil tank
#6 §468.14(k) Pickling Rinse (Copper Extrusion)	NA	6	NA	Not in service	Batch discharge to either POTW or waste oil tank
#6 §468.14(e) Extrusion Heat Treatment (Copper Extrusion)	NA	6	NA	One 200-gallon tank sent for disposal on September 1, 2010 (most recent discharge)	Batch discharge from Copper Extrusion (C-285) Product Cooling Tank
#2 §467.35 Core-Die Cleaner (Aluminum Extrusion)	20	2	N/A	N/A	Intermittent
#3 §467.35 Press Heat Treatment (Aluminum Extrusion)	NA	3	NA	One 300-gallon tanks one discharged to the POTW on October 23, 2009. (most recent discharge)	Batch discharge from Aluminum Extrusion (C-300 & C-500) Cooling Water Tank
#4 §468.14(d) Solution Heat Treatment ¹ (Copper Forming [Rolling])	NA	4	NA	26,667 gallons discharged to the POTW July 1, 2011 (most recent discharge)	Batch discharge from recirculation pond
§403.6(e) Unregulated:					
Air compressor condensate blowdown	10 (estimate)	129	N/A		Intermittent
Steam clean forklift wash area	6 (estimate)	129	N/A		Intermittent
§403.6(e) Dilute:					
Cooling water ¹	NA	NA	26,667 gallons discharged to the POTW July 1, 2011 (most recent discharge)		Batch discharge from recirculation pond
Sanitary	5,549 (estimate)	129	N/A		Continuous

¹The 80,000 gallon batch discharge is comprised of several regulated and diluted source waters.

(5) MEASUREMENT OF POLLUTANTS

A. TYPE OF TREATMENT SYSTEM CHECK EACH APPLICABLE BLOCK

- Neutralization
- Chemical Precipitation and Sedimentation
- Chromium Reduction
- Cyanide Destruction
- Other _____
- None

B. COMMENTS ON TREATMENT SYSTEM

C. THE INDUSTRIAL USER MUST PERFORM SAMPLING AND ANALYSIS ON THE EFFLUENT FROM ALL REGULATED PROCESSES--CORE & ANCILLARY--(AFTER TREATMENT, IF APPLICABLE). ATTACH THE LAB ANALYSIS, WHICH SHOWS A MAXIMUM. TABULATE ALL THE ANALYTICAL DATA COLLECTED DURING THE REPORT PERIOD IN THE SPACE PROVIDED BELOW. ZERO CONCENTRATIONS ARE NOT ACCEPTABLE. LIST THE DETECTION LIMIT IF CONCENTRATION WAS BELOW DETECTION LIMIT.

②

③

①

Concentrations (mg/l)	Cr	Cu	Pb	Ni	Zn	TTO	O&G	CN
C-500 Cooling Water Tank (Aluminum Extrusion) Allowable Concentrations	NA	NA	NA	NA	NA	NA	NA	NA
C-500 Cooling Water Tank Measured Concentrations	NA	NA	NA	NA	NA	NA	NA	NA
C-300 Cooling Water Tank (Aluminum Extrusion) Allowable Concentrations	243	NA	NA	NA	821	NA	34858	164
C-300 Cooling Water Tank Measured Concentrations	<0.007	NA	NA	NA	0.063	NA	<5	<0.01
Die Cleaning Allowable Concentrations ¹	10 3.9	NA	NA	NA	32 13.5	NA	1160 567	6 2.6
Die Cleaning Measured Concentrations	<0.007	NA	NA	NA	0.15	NA	<5	<0.01
Pond Allowable Concentration	0.611	2.917	0.375	3.702	2.074	NA	47.494	0.059
Pond Measured Concentration	<0.007	0.11	<0.04	<0.01	0.016	NA	<5	<0.01
C-350 Aluminum Extrusion Tank 1 (Cleaning or Etching Bath) Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-350 Aluminum Extrusion Tank 2 (Cleaning or Etching Rinse) Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-350 Aluminum Extrusion Tank 3 (Cleaning or Etching Rinse) Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-350 Aluminum Extrusion Tank 4 (Cleaning or Etching Bath) Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-350 Cooling Water Tank (Aluminum Extrusion) Allowable Concentrations	205.3	NA	NA	NA	693.6	NA	29410	138.7
C-350 Cooling Water Tank Measured Concentrations	<0.007	NA	NA	NA	0.011	NA	<5	<0.01
C-285 Copper Extrusion Tank 1 (Pickling Bath) Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-285 Copper Extrusion Tank 2 (Pickling Rinse) Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-285 Copper Extrusion Tank 3 (Pickling Bath) Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-285 Copper Extrusion Tank 4 (Pickling Rinse) Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-285 Copper Extrusion Tank 5 (Pickling Rinse) Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-285 Copper Extrusion Tank 6 (Pickling Bath) Measured Concentration	86.66	502.61	64.99	636.93	303.30	NA	6031	NA
C-285 Cooling Water Tank (Copper Extrusion) Allowable Concentrations	0.661	3.674	0.478	3.674	1.837	NA	44.1	NA
C-285 Cooling Water Tank Measured Concentrations ^{2,3}	<0.007	0.77	<0.04	<0.01	0.012	NA	5.6	NA

40CFR136 Preservation and Analytical Methods Use: Yes No

- ① Tracking pond loading only since it represents over 95% of mass loading to the POTW.
- ② Algonquin is allowed to test for O&G in lieu of testing for TTO
- ③ Both max & ave limits are shown for die cleaning; die cleaning is the only operation with continuous flow
- ④ NOTE: Enter data and Algonquin's allowable conc limits (shown into ANPCAN database; verify these limits later by clicking "Calc Limit" button in

¹ Listed as daily maximum and monthly average respectively
² Contents of tank not released to POTW
³ Volume composite sample taken for all tanks

"ANPCAN_VB_Macro Library work book.
 ✓ Allowable Limits confirmed by ANPCAN.

(6) CERTIFICATION

A. CHECK ONE: CYANIDE ANALYSIS ATTACHED CYANIDE CERTIFICATION PROVIDED BELOW (September SAR Only)

In accordance with §467.03(a), based on my inquiry of the person or persons directly responsible for managing compliance with pretreatment standards, I certify that to the best of my knowledge, cyanide has not been used or generated and will not be used or generated in our processes which are regulated by the Aluminum Forming (40 CFR 467.35) categorical pretreatment standards since analyzing the first wastewater sample in January, February, or March of this calendar year; and that the results of the first analysis contained less than 0.07 mg/l cyanide.

(Typed Name)

(Corporate Officer or authorized representative)

Date of Signature

B. CHECK ONE: REQUIRED TOXIC ORGANIC ANALYSIS ATTACHED O&G ANALYSIS ATTACHED

In accordance with §467.03(b) & §468.03(b), as an alternative monitoring procedure for pretreatment, the POTW user may measure and limit oil and grease to the levels shown in Section 5.C in lieu of measuring and regulating total toxic organics (TTO).

CORPORATE ACKNOWLEDGEMENT (Optional)

STATE OF ARKANSAS
COUNTY OF MISSISSIPPI

Before me, the undersigned authority, on this day personally appeared

_____ of _____,

a corporation, known to me to be the person whose name is subscribed to the foregoing instrument(s), and acknowledged to me that he executed the same for purposes and considerations therein expressed, in the capacity therein stated and as the act and deed of said corporation.

Given under my hand and seal of office on this _____ day of _____, 199__.

Notary Public in and for _____

County, Arkansas

My commission expires _____.

(7) POLLUTION PREVENTION ACT OF 1990 [42 U.S.C. 13101 et seq.]

§6602 [42 U.S.C. 13101] Findings and Policy para (b) Policy – The Congress hereby declares to be the national policy of the United States that pollution should be prevented or reduced at the source whenever feasible; pollution that cannot be prevented should be recycled in an environmentally safe manner, whenever feasible; pollution that cannot be prevented or recycled should be treated in an environmentally safe manner whenever feasible; and disposal or other release into the environment should be employed only as a last resort and should be conducted in an environmentally safe manner.

The User may list any new or ongoing Pollution Prevention practices:

(8) GENERAL COMMENTS

(9) SIGNATORY REQUIREMENTS [40CFR403.12(l)]

I certify under penalty of law that I have personally examined and am familiar with the information in this semi-annual compliance report and all attachments, and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the report, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

SIGNATURE

OFFICIAL TITLE

DATE SIGNED

ATTACHMENT 1

Flow Schematics

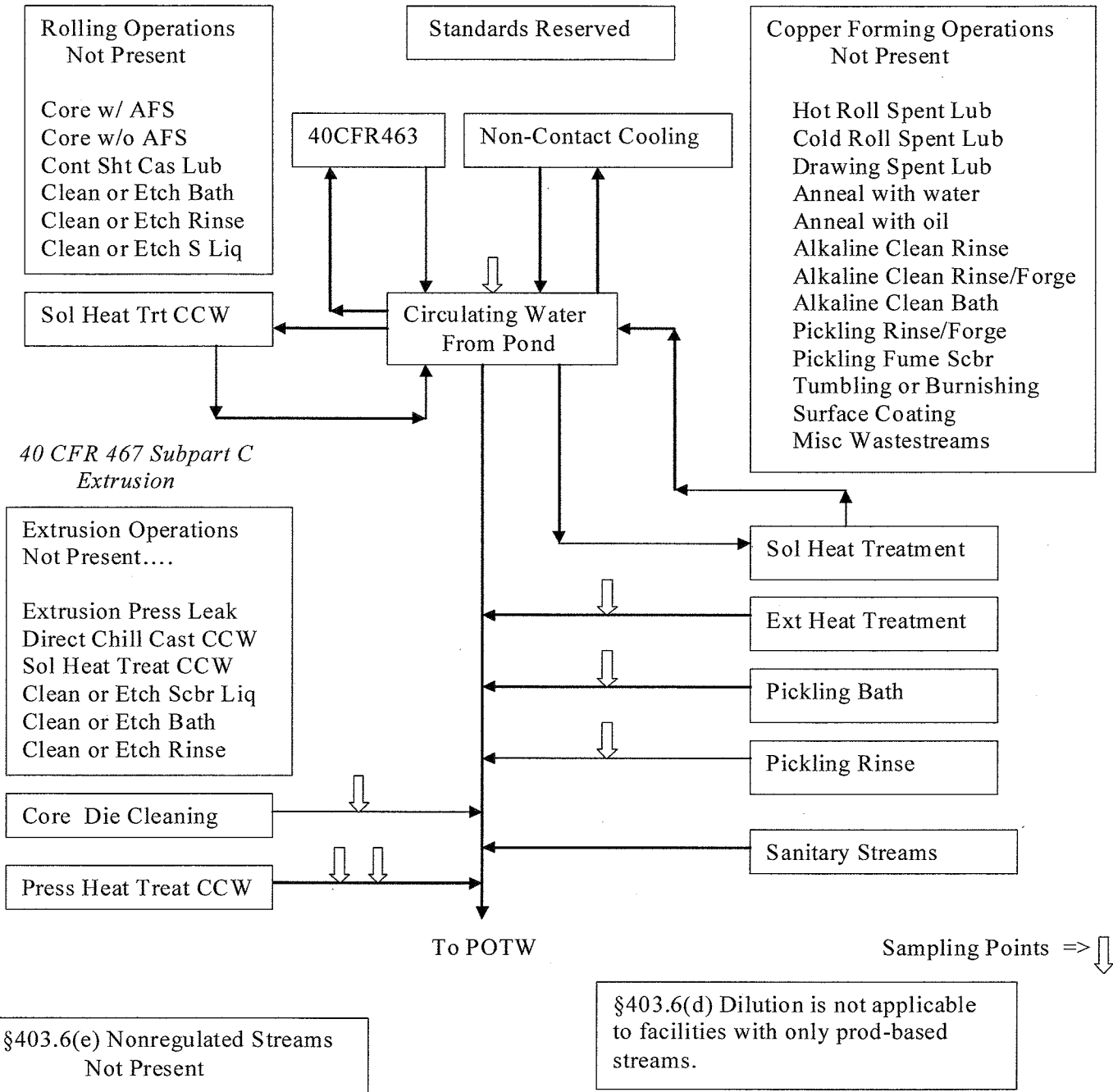
Algonquin Industries

Osceola, Arkansas March 2011

40 CFR 467 Subpart A Operations
Rolling with Neat Oils

40CFR463 Subpart A
Contact Cooling

40 CFR 468 Subpart A Operations
Copper Forming



If a stream is not present, show NOT PRESENT or N/P. If a stream is present, the wastewater can enter the POTW but currently has no flow, show 0.0 gpd. If a stream is present but the wastewater cannot enter the POTW, show Zero Discharge or Z/D. If an unregulated stream is present but the User has decided not to declare it at this time, show N/P.

Signature of §403.12(b) Professional

Date

I certify under penalty of law that I have personally examined and am familiar with the information in this document and that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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.

Plant Manager or the authorized §403.12(l) official

Date
AGQ Diagram (March 21, 2011)

ATTACHMENT 2

Sampling and Analysis Results