

Torrence, Rufus

From: Lamb, Milton <mlamb@algonquin-industries.com>
Sent: Friday, September 30, 2011 2:53 PM
To: Torrence, Rufus; Stowe, Matt
Subject: SEPTEMBER 2011 ADEQ Semi-Annual Report for REA Algonquin Industries Osceola Plant
Attachments: Algonquin201109adeqDMR.pdf

Mr. Torrence,

Please find attached the Semi Annual Report for REA, Algonquin Industries Division Osceola Plant.

If you need anything else from us, please let me know.

Thank you,

Milton A. Lamb Jr.
Environmental Coordinator
REA Algonquin Industries Osceola Plant
Osceola, AR 72370

870-622-4418

SEMI-ANNUAL REPORT FOR USERS REGULATED BY THE Al & 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@algonquin-industries.com

(2) REPORTING PERIOD--FISCAL YEAR

2010 (Both Semi-Annual Reports to Cover Fiscal Year)

A. MONTHS WHICH REPORTS ARE DUE

September & March

B. PERIOD COVERED BY THIS REPORT

FROM: March 31, 2011 – September 30, 2011

(3) DESCRIPTION OF OPERATION

A. Regulated Processes per 40 CFR Part 467 (Aluminum) Subpart A & C and 40 CFR Part 468 (Copper) Subpart A

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.

PROCESS	PRODUCTION-OFF/LB	PRODUCTION DAYS ¹
Rolled Aluminum (\$467.15 Solution Heat Treatment)	Pond (46,967)	7/1/2011 - 9/12/2011 73 days Cumulative #1
Extruded Aluminum (\$467.35 Core Die Cleaning)	896,914	3/31/2011 - 9/30/2011 165 days Continuous #2
Extruded Aluminum (\$467.35 Press Heat Treatment) C300	2,111,534 (1,802,574)	10/23/2009 - 9/12/2011 689 days NA #3
(\$467.35 Press Heat Treatment) C500	308,960	5/31/2011 - 9/12/2011 104 days NA #5
(\$467.35 Press Heat Treatment) C350	Ø (NA)	NA
(\$467.35 Cleaning or Etching Rinse) C350	Ø (NA)	NA
(\$467.35 Cleaning or Etching Bath) C350	Ø (NA)	NA
Rolled Copper (\$468.14(d) Solution Heat Treatment)	Pond (875,979)	7/1/2011 - 9/12/2011 73 days #4
Extruded Copper (\$468.14(k) Pickling Rinse) C285	16,042,087 (5,347,629)	9/1/2010 - 9/12/2011 376 days #6
(\$468.14(m) Pickling Bath) C285	5,347,629	9/1/2010 - 9/12/2011 376 days
(\$468.14(e) Extrusion Heat Treatment) C285	5,347,629	9/1/2010 - 9/12/2011 376 days

Sep 2011 SAR
Filed date 2011 10 05

AFIN 47-00209
ARP 000020
AR 0021500

¹The entry for "Production Days" for solution, press heat treatment, and pickling and rinse operations are dates of the batch discharges or initial startup and the dates of the sampling. Only the Core Die Cleaning operation has a continuous discharge

C. Number of Regular Employees at this Facility: 39

D. [Reserved]

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.

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	266	NA	NA	NA	900	NA	38184	180
C-300 Cooling Water Tank Measured Concentrations	<0.007	NA	NA	NA	0.048	NA	<5	<0.01
Die Cleaning Allowable Concentrations ¹	5	2.0	NA	NA	16	6.8	NA	587
Die Cleaning Measured Concentrations	0.022	NA	NA	NA	0.37	NA	<5	<0.01
Pond Allowable Concentration	0.178	0.848	0.109	1.077	0.605	NA	13.909	0.018
Pond Measured Concentration	<0.007	0.15	<0.04	<0.01	0.054	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 1 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 2 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 3 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 Aluminum Extrusion Tank 4 Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-350 Cooling Water Tank (Aluminum Extrusion) Allowable Concentrations	84.1	NA	NA	NA	284.1	NA	12,045	56.8
C-350 Cooling Water Tank Measured Concentrations	<0.007	NA	NA	NA	0.013	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 1 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 2 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 3 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 4 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 5 Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-285 Copper Extrusion Tank 6 (Pickling Bath) Measured Concentration	60.49	350.85	45.37	444.61	211.72	NA	4210	NA
C-285 Copper Extrusion Tank 6 Measured Concentration	.0091	0.53	<0.04	<0.01	0.013	NA	<5	<0.01
C-285 Cooling Water Tank (Copper Extrusion) Allowable Concentrations	0.462	2.565	0.333	2.565	1.282	NA	30.778	NA
C-285 Cooling Water Tank Measured Concentrations ^{2,3}	.0091	0.53	<0.04	<0.01	0.013	NA	<5	<0.01

40CFR136 Preservation and Analytical Methods Use: Yes No

- ① Tracking pond loading only since it represents over 95% of the mass loading to the POTW.
- ② Algonquin is allowed to test for O&G in lieu of testing for TTO'S
- 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 allowable conc limits (above) into ANPCAN database; verify these limits afterward by clicking "Calc Limit" button "ANPCAN_VB_MACRO-Library" workbook.

✓ ⇒ Allowable Conc's 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 _____)

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 _____.

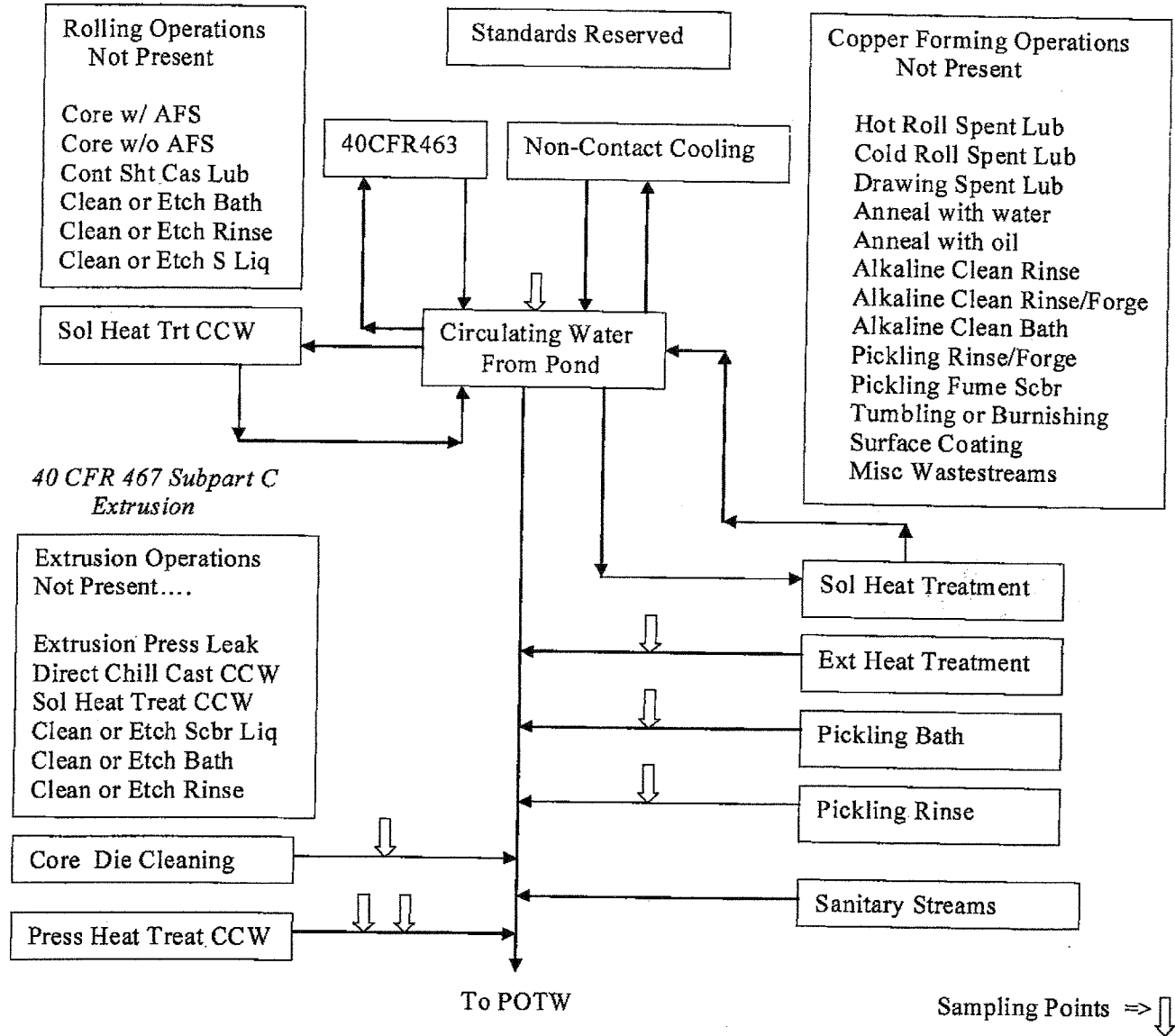
Algonquin Industries

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



§403.6(e) Nonregulated Streams
Not Present

§403.6(d) Dilution is not applicable
to facilities with only prod-based
streams.

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

9/20/2011
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(1) official

30 Sep 2011
Date

AGQ Diagram (March 21, 2011)

ATTACHMENT 2

Sampling and Analysis Results

Send Result Report



MFP

CS 420i

Firmware Version 2KS_2F00.005.004 2010.04.13

10/05/2011 08:48
[2KS_1000.005.001] [2KS_1100.001.002] [2KS_7000.005.001]

Job No.: 215055

Total Time: -°--'--"

Page: 012

Error Type : Transfer

Document: **doc21505520111005084743**

No.	Date and Time	Destination	Times	Type	Result	Resolution/ECM
001	10/05/11 08:47	schluterma@adeq.state.ar.us	-°--'--"	E-mail	ERROR	300x300/-

Algonquin Industries
Post Office Box 643
Osceola, AR 72370

SAMPLE INFORMATION

Project Description:

Five (5) water sample(s) received on September 20, 2011
POTW DMR
P.O. No. 28375

Receipt Details:

A Chain of Custody was provided. The samples were delivered in two (2) ice chests.
Ice chest #1 was delivered with shipping documentation.
Ice chest #2 was delivered with shipping documentation.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

Sample Identification:

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Sampled Date/Time</u>	<u>Notes</u>
151214-1	C300 19SEP2011 1300	19-Sep-2011 1300	
151214-2	C350 19SEP2011 1300	19-Sep-2011 1300	
151214-3	Die Cleaning 19SEP2011 1300	19-Sep-2011 1300	
151214-4	C285 19SEP2011 1300	19-Sep-2011 1300	
151214-5	Pond 19SEP2011 1300	19-Sep-2011 1300	

Case Narrative:

There were no qualifiers for this data and all samples met quality control criteria.

References:

"Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
"Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
"Standard Methods for the Examination of Water and Wastewaters", 20th edition, 1998.
"American Society for Testing and Materials" (ASTM).
"Association of Analytical Chemists" (AOAC).

Algonquin Industries
Post Office Box 643
Osceola, AR 72370

ANALYTICAL RESULTS

AIC No. 151214-4 (Continued)
Sample Identification: C285 19SEP2011 1300

Analyte	Result	RL	Units	Qualifier
Copper EPA 200.7	0.53	0.006	mg/l	
Prep: 20-Sep-2011 1115 by 271	Analyzed: 21-Sep-2011 1941 by 297		Batch: S30907	
Lead EPA 200.7	< 0.04	0.04	mg/l	
Prep: 20-Sep-2011 1115 by 271	Analyzed: 21-Sep-2011 1941 by 297		Batch: S30907	
Nickel EPA 200.7	< 0.01	0.01	mg/l	
Prep: 20-Sep-2011 1115 by 271	Analyzed: 21-Sep-2011 1941 by 297		Batch: S30907	
Zinc EPA 200.7	0.013	0.002	mg/l	
Prep: 20-Sep-2011 1115 by 271	Analyzed: 21-Sep-2011 1941 by 297		Batch: S30907	
Oil and Grease EPA 1664A	< 5	5	mg/l	
Prep: 20-Sep-2011 1358 by 100	Analyzed: 20-Sep-2011 1629 by 100		Batch: B7173	

AIC No. 151214-5
Sample Identification: Pond 19SEP2011 1300

Analyte	Result	RL	Units	Qualifier
Total Cyanide SM4500-CN C,E	< 0.01	0.01	mg/l	
Prep: 21-Sep-2011 1148 by 302	Analyzed: 22-Sep-2011 1256 by 302		Batch: W37466	
Chromium EPA 200.7	< 0.007	0.007	mg/l	
Prep: 20-Sep-2011 1115 by 271	Analyzed: 21-Sep-2011 1958 by 297		Batch: S30907	
Copper EPA 200.7	0.15	0.006	mg/l	
Prep: 20-Sep-2011 1115 by 271	Analyzed: 21-Sep-2011 1958 by 297		Batch: S30907	
Lead EPA 200.7	< 0.04	0.04	mg/l	
Prep: 20-Sep-2011 1115 by 271	Analyzed: 21-Sep-2011 1958 by 297		Batch: S30907	
Nickel EPA 200.7	< 0.01	0.01	mg/l	
Prep: 20-Sep-2011 1115 by 271	Analyzed: 21-Sep-2011 1958 by 297		Batch: S30907	
Zinc EPA 200.7	0.054	0.002	mg/l	
Prep: 20-Sep-2011 1115 by 271	Analyzed: 21-Sep-2011 1958 by 297		Batch: S30907	
Oil and Grease EPA 1664A	< 5	5	mg/l	
Prep: 20-Sep-2011 1358 by 100	Analyzed: 20-Sep-2011 1629 by 100		Batch: B7173	