



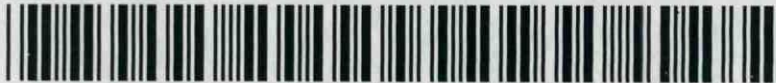
SEPARATOR



47-00209



WATER NPDES



PRETREATMENT



03/29/2007



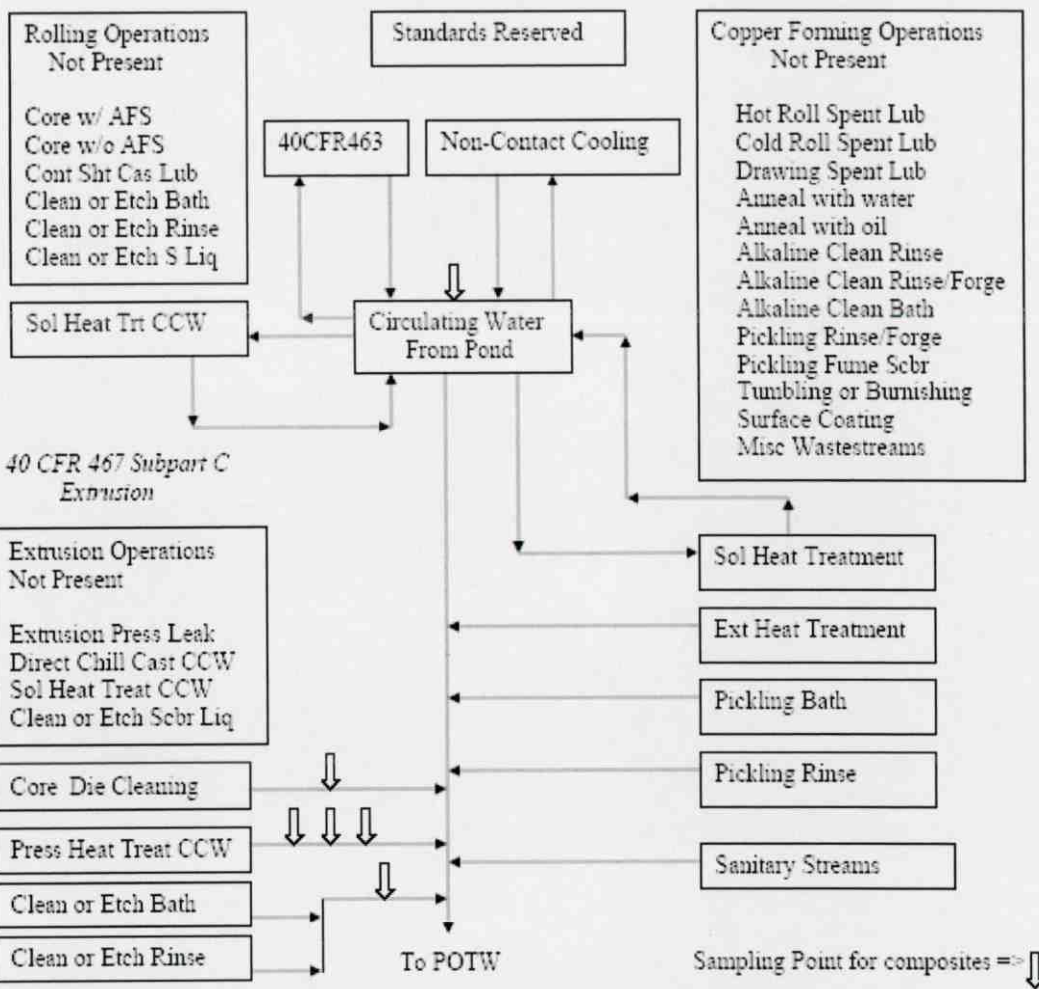
ARP000020

Algonquin Industries Osceola, Arkansas

40 CFR 467 Subpart A Operations
Rolling with Neat Oils

40CFR463 Subpart A
Contact Cooling

40 CFR 468 Subpart A Operations
Copper Forming



40 CFR 467 Subpart C
Extrusion

- Rolling Operations Not Present
- Core w/ AFS
- Core w/o AFS
- Cont Sht Cas Lub
- Clean or Etch Bath
- Clean or Etch Rinse
- Clean or Etch S Liq
- Sol Heat Trt CCW
- Extrusion Operations Not Present
- Extrusion Press Leak
- Direct Chill Cast CCW
- Sol Heat Treat CCW
- Clean or Etch Scbr Liq
- Core Die Cleaning
- Press Heat Treat CCW
- Clean or Etch Bath
- Clean or Etch Rinse

- Copper Forming Operations Not Present
- Hot Roll Spent Lub
- Cold Roll Spent Lub
- Drawing Spent Lub
- Anneal with water
- Anneal with oil
- Alkaline Clean Rinse
- Alkaline Clean Rinse/Forge
- Alkaline Clean Bath
- Pickling Rinse/Forge
- Pickling Fume Scbr
- Tumbling or Burnishing
- Surface Coating
- Misc Wastestreams

§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]
Signature of §403.12(b) Professional

29 March 2007
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.

[Signature]
Plant Manager or the authorized §403.12(i) official

29 March 2007
Date
56P_Diagram.doc (August 9, 2002, 2002)

Southwire Special Products

Osceola, Arkansas

40 CFR 467 Subpart A Operations
Rolling with Neat Oils

40CFR463 Subpart A
Contact Cooling

40 CFR 468 Subpart A Operations
Copper Forming

Rolling Operations
Not Present

Core w/ AFS
Core w/o AFS
Cont Sht Cas Lub
Clean or Etch Bath
Clean or Etch Rinse
Clean or Etch S Liq

Standards Reserved

Copper Forming Operations
Not Present

Hot Roll Spent Lub
Cold Roll Spent Lub
Drawing Spent Lub
Anneal with water
Anneal with oil
Alkaline Clean Rinse
Alkaline Clean Rinse/Forge
Alkaline Clean Bath
Pickling Rinse/Forge
Pickling Fume Scbr
Tumbling or Burnishing
Surface Coating
Misc Wastestreams

Sol Heat Trt CCW

Non-Contact Cooling

Circulating Water
From Pond

40 CFR 467 Subpart C
Extrusion

Extrusion Operations
Not Present

Extrusion Press Leak
Direct Chill Cast CCW
Sol Heat Treat CCW
Clean or Etch Scbr Liq

Sol Heat Treatment

Ext Heat Treatment

Pickling Bath

Pickling Rinse

Sanitary Streams

Core Die Cleaning

Press Heat Treat CCW

Clean or Etch Bath

Clean or Etch Rinse

To POTW

Sampling Point for composites =>

§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]
Signature of §403.12(b) Professional

27 Mar 2003
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.

[Signature]
Plant Manager or the authorized §403.12(l) official

3/27/03
Date

SSP_Diagram.doc (August 9, 2002, 2002)
9-30-05 (confirmed)

FINAL BASELINE MONITORING REPORT
For A
PRODUCTION BASED CATEGORICAL INDUSTRY

90 Day Compliance Report per §403.12(d)

Instructions: In accordance with 40CFR403.12(b) & (d) Industrial Users subject to categorical Pretreatment Standards are required to submit to PC&E a report which contains the information in paragraphs (b)(1)-(7). Use of this form is not an EPA requirement. The User is responsible for submitting a complete and accurate report. Nonetheless the User may complete this form in as much detail as possible. Include additional information on attached sheets as necessary where space is limited.

Return to: Water Div/NPDES Pretreatment

(1) User Identifying Information [§403.12(b)(1)]:

- A. Legal Name: Southwire Specialty Products
Mailing Address: P.O. Box 643
Highway 61 South
Osceola, AR Zip: 72370
- B. Facility Name: Southwire Company
Location: Highway 61 South
Osceola, AR Zip: 72370
- C. Name of Owners: Southwire Company
- D. Name of Operators: Southwire Specialty Produces
- E. Facility Contact (Provide the name, title & phone number of a designated person to contact if additional information is necessary):
Buddy Strop, Maintenance Department Manager
(501) 563-5207
- F. Number of Employees: 190 G. Number of Shifts: 3/day
- H. Number of Months per Calendar Year which Plant normally operates: 12
- I. Publicly Owned Treatment Works (POTW) (Provide the name of the sewerage authority municipality, etc. that receives the wastewater discharges from this facility--If this facility is not connected to a sewerage system, describe where wastewater is discharged) City of Osceola Water & Waste Water Treatment
Osceola Municipal Power & Light, P.O. Box 443, Osceola, AR 72370
- J. Provide the date the facility began regulated discharge to the POTW (sewerage authority, municipality, etc.): 1988
Date facility installed/commenced construction of regulated process: 1972

ARPO00020

Regulated Category - 40 CFR 468.14 (d) Copper Forming, Subpart A, Solution Heat Treatment Cooling Water

Comprised of cooling water following the roller operations, utilizing a total of 9 cooling water troughs. This water is continuously recycled back to the holding pond.*

Regulated Category 40 CFR 463 Plastics Molding and Forming, Subpart A, Contact Cooling and Heating Water

Comprised of cooling water on the plastic extrusion line utilizing 2 cooling water troughs. This water is continuously recycled back to the holding pond.

*Copper is rolled on the same 6-, 8-, 10-, 20-, and 12-inch rolling lines as the aluminum

3.D Summarize each Regulated Category:

Process Description*	Year of 1995 Production Rate (Off-lbs/Year)	1995 Production Days	Pretreatment Standard Category	Subpart	SIC Code
Solution Heat Treatment Contact Cooling Water	7,271,136	329	40 CFR 467.15	A-Aluminum Rolling with Neat Oils	3355
Core	3,734,754	355	40 CFR 467.35	C-Aluminum Extrusion	3354
Press Heat Treatment Contact Cooling Water	3,734,754	355	40 CFR 467.35	C-Aluminum Extrusion	3354
Solution Heat Treatment [Cooling Water]	17,746,369	329	40 CFR 468.14(d)	A-Copper Forming	3357
Contact Cooling and Heating Water	NA	NA	40 CFR 463.10	A-Plastics Molding and Forming	3357

NA- Not applicable. There are no mass limits for the Plastics Molding and Forming Category.

*Process Description must be exactly as shown in the applicable 40CFR SubPart; for example, 40 CFR467.35 SupPart C lists "Core", "Extrusion Press Leakage", etc. Production data is not required for concentration based standards [40CFR433, etc].

E. Provide on a separate sheet(s):

- (i) A schematic drawing/chart of manufactured parts flow through each regulated process that generates wastewater -optional for users with only concentration-based standards.
- (ii) A schematic drawing showing all wastewater flows (regulated and unregulated), location of any treatment system, and sampling locations and flows for each individual wastestream. Show points of discharge to the POTW from regulated processes (blank schematic enclosed).

See Attachment 2.

(4) User Flow Measurement (§403.12(b)(4)):

The flows listed in section A below represent the flow estimated to be discharged to the POTW. The flows listed in section B include the recycle flow rates to the pond.

A. Total Plant Flow discharged to POTW:

1. Batch discharged in Gallons to POTW (estimated to discharge at a frequency of once/year).
Average NA Maximum 80,000
2. Discharged Daily in Gallons per Day (gpd) to POTW (flow rate show is comprised of aluminum extrusion die cleaning operation. Additionally, a batch discharge of cooling water from the Aluminum extrusion process is discharged to the POTW. This discharge is estimated to be 300 gallons at a frequency of ≤ 3 times/yr):
Average 10 gpd Maximum NA

B. Individual Process Flows in Gallons per Day¹ (gpd):

Regulated ² Streams	Average Flow Rate (gpd)	Max. Flow Rate (gpd)	Type Discharge ³
Aluminum Rolling (cooling water)	4200	6300	Continuous discharge to pond
Aluminum Extrusion (cooling water)	84,000	126,000	Batch discharge to POTW
Aluminum Extrusion (die cleaning)	10	10	Intermittent flow to POTW
Plastic Extrusion (cooling water)	21,000	31,500	Continuous discharge to pond
Copper Forming (includes roller cooling water* and Solution Heat Treatment water)	70,800	106,200	Continuous discharge to pond
Unregulated Streams			
Air compressor condensate blowdown	10	15	Intermittent flow to POTW
Steam clean/forklift wash area	200	300	Intermittent flow to POTW
Dilute Streams			
Non-Contact Cooling Water (used in copper and aluminum annealing process)	81,600	122,400	Continuous discharge to pond
Sanitary Wastewater	5,320	6,650	Continuous discharge to POTW

*Roller cooling water is noncontact cooling water (dilute). The flow rate show does not segregate out this flow.

¹Referring to 40CFR403.6(e)(1) average flows must be for a 30-day period. Batch discharges which are less frequent than monthly should be normalized to a 365-day period.

²**Regulated** processes have wastestreams regulated by federal standards
Unregulated processes have wastestreams (which are not regulated by federal standards) with federally regulated parameters.
Nonregulated processes have unregulated and/or dilute wastestreams.
Dilute wastestreams include non-contact cooling water, sanitary waste, etc.

³Show type; for example-Continuous, Batch (Monthly, Semi-annually, etc.), Intermittent (5 days/week, 25 days/30-day period, etc.)

(5) Measurement of Pollutants in User's Discharge to POTW [§§403.6(a)(2)(ii) & 403.12(b)(5)]:

A. (i) Cite Evidence Why a Particular Subpart is Applicable to each Regulated Category⁴:

Regulated Category - 40 CFR 467.15 Aluminum Rolling with Neat Oils, Subpart A, Solution Heat Treatment Contact Cooling Water

The rolling operation includes water troughs used to cool rolled aluminum. Though the rolled aluminum is not heated for anneal purposes (the aluminum is heated as a result of the rolling process itself), contact cooling with water is utilized after the aluminum is rolled. Heat Treatment Contact Cooling Water is considered to be an ancillary operation, as per 40 CFR 467.11 (b) (refer to Section III of *Development Document for Effluent Limitations Guidelines and Standards for the Aluminum Forming Point Source Category* [EPA 1984]; page 111 under *Aluminum Forming Processes*.) This categorization is not to be confused with the core operation of cooling water used with neat oils during rolling. Southwire applies neat oils directly to the rollers and uses noncontact cooling water (recirculated from the pond) to cool the rollers.

Regulated Category - 40 CFR 467.35 Aluminum Extrusion, Subpart C, Press Heat Treatment Contact Cooling Water

The extrusion operation (conform operation) includes water troughs used to cool the extruded aluminum. As with the Aluminum Rolling process above, the extruded metal is not heated for annealing purposes; however, contact cooling water is utilized as the aluminum leaves the press. Press Heat Treatment is considered an ancillary operation, as per 40 CFR 467.31 (c) (refer to the above cited document, page 100 under *Aluminum Forming Processes*).

Regulated Category - 40 CFR 467.35 Aluminum Extrusion, Subpart C, Core Operation

The extrusion operation uses dies, which must be cleaned. Die cleaning is considered a core operation for aluminum extrusion, as per 40 CFR 467.31 (a). The water generated from the cleaning process is rinse water sprayed on dies that have soaked in a caustic solution. This process is discussed in the above cited development document, page 177, *Core Operations Unique to Major Forming Operations*.

Regulated Category 40 CFR 468.14 (d) Copper Forming, Subpart A, Solution Heat Treatment Cooling Water

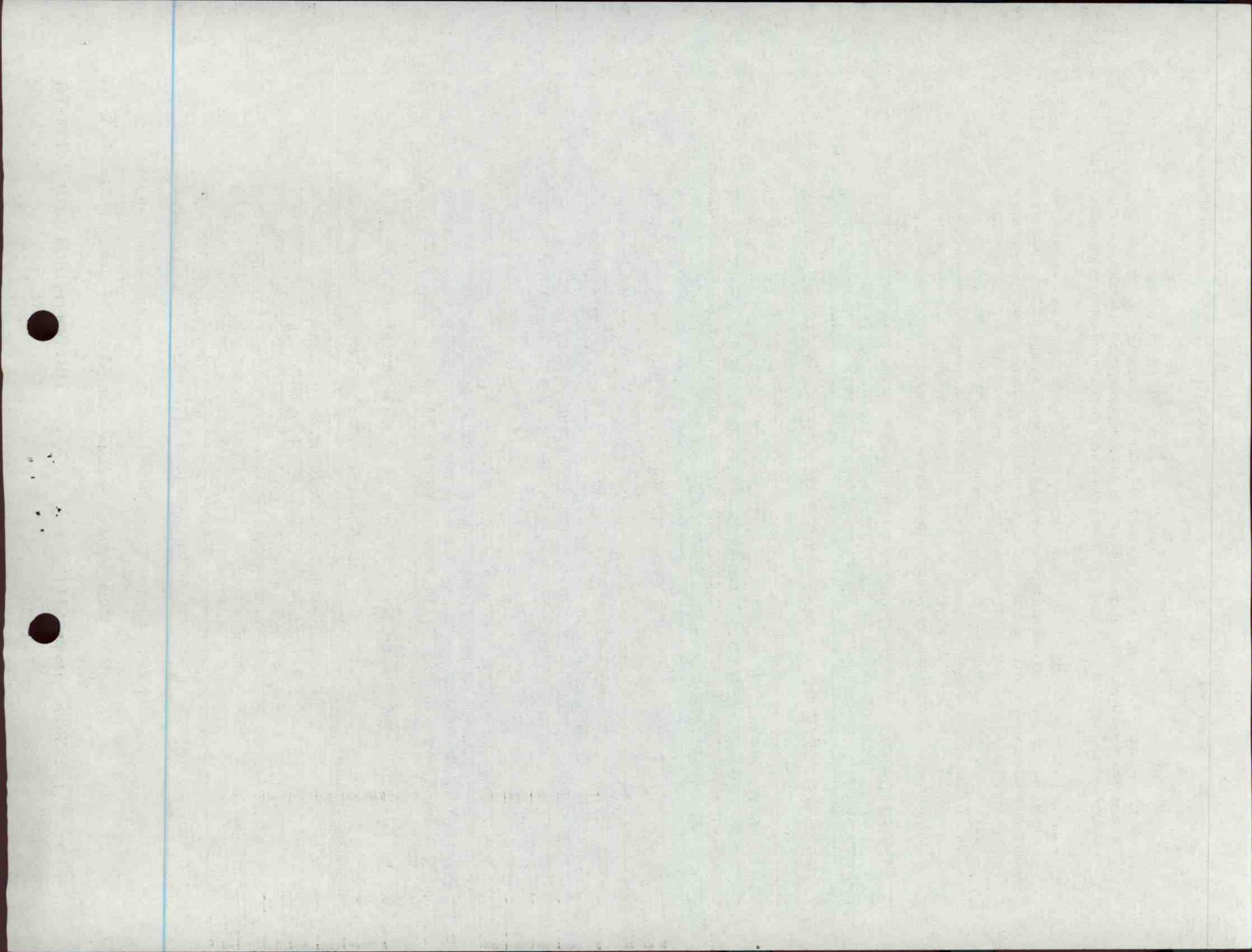
Copper is rolled identical to aluminum (see above) and copper is also not heated for annealing purposes. This process waste stream is subject to this subcategory as per the definition of "solution heat treatment" found in 40 CFR 468.02 (d). (Refer to Section III of *Development Document for Effluent Limitations Guidelines and Standards for the Copper Forming Point Source Category* [EPA, 1984]; pages 60 and 61 under *Manufacturing Processes*.)

Regulated Category - 40 CFR 463.10 Plastics Molding and Forming , Subpart A, Contact Cooling and Heating Water

Plastic pellets are extruded as a coating over aluminum and copper wire. The plastic coated wire is cooled in water troughs following the extrusion process. The applicability of this category is directly from the 40 CFR 463.1, *Applicability*, parts (a), (b) and (d) and the definition of process water for this category from 40 CFR 463.2 (c).

In all cases of the cooling, or "quench" water for metals (Solution Heat Treatment Contact Cooling Water for Aluminum and Copper Forming and Press Heat Treatment Contact Cooling Water), the heat applied to the metal prior to cooling followed by the cooling process itself (collectively known as Heat Treatment) is not intended for improved mechanical property integrity. As the 40 CFR citations specifically reference heat treatment as part of the process associated with the waste stream, it would appear that these subcategories are inapplicable. However, there are no other applicable categories for these contact cooling waters. Furthermore, the generally accepted definition of process water is a waste stream that has come in direct contact with a product or raw material. This would preclude these streams from being nonprocess or dilution waste streams.

- (ii) **Provide a description of any and all wastewater treatment utilized (show treatment system location in relation to process flows and sampling points on schematic drawing required in Section 3.E above).**
An oil water separator is used for some commingled process and nonprocess water that directly discharges to the POTW. Refer to Attachment 2.



B. Mass of Regulated Pollutants Discharged to the POTW: The industrial user must determine the quantities of pollutants discharged to the sewer. These quantities may be instantaneous rates (mg/day) determined by a discrete analysis of the effluent and measurement of flow for all regulated processes which discharge to the POTW during a 24 hour period. Provide the rates in the appropriate space below. Only those pollutants specifically regulated by the applicable category(ies) need be reported.

DIE CLEANING RINSE RATES (lb/day)					
Basis	Pollutant				
	Cr	Zn	CN	TTO _{Al}	O&G
Daily Maximum Allowed	0.002	0.005	0.001	0.002	1.189
Monthly Average Allowed	0.0006	0.002	0.0004	---	0.0093
Actual Discharged	7 x 10 ⁻⁶	5.8 x 10 ⁻⁵	Nondetectable ($<8.3 \times 10^{-7}$)	2.0 x 10 ⁻⁵	Nondetectable (4.2 x 10 ⁻⁴)

ALUMINUM EXTRUSION COOLING WATER RATES (lb/day)					
Basis	Pollutant				
	Cr	Zn	CN	TTO _{Al}	O&G
Daily Maximum Allowed	0.009	0.031	0.006	0.015	1.157
Monthly Average Allowed	0.004	0.013	0.003	---	0.558
Actual Discharged	NA	NA	NA	NA	NA

C. Analysis of Recirculated Flows: The industrial user must perform sampling and analysis of the regulated wastewater which recirculates and can be batch discharged to the POTW. Provide the analytical data for the regulated processes in the appropriate space below. Only those pollutants specifically regulated by the applicable category(ies) need be reported

R A T E S (lb/year)									
Basis ⁵	Pollutant								
	Cr	Cu	Pb	Ni	Zn	CN	TTO _{Al}	TTO _{Cu}	O&G
Daily Maximum Allowed	13	24	1.9	24	43	4.8	11.4	8.2	1140
Monthly Average Allowed	5.3	13	1.6	16	18	2.0	---	4.3	580
Actual Discharged	Nondetectable (<0.0047)	4.5	Nondetectable (<0.027)	Nondetectable (<0.0067)	0.39	Nondetectable (<0.0067)	0.14**	Nondetectable (<0.0248)	187

*It is Southwire's understanding that daily maximum limitation will not be used for compliance purposes for batch discharges less frequent than once per month. These values are provided in this document for informational purposes only.

**The value of 0.14 lb/year represents the quantifiable portion of the TTO_{Al}. In this case, only bis(2-Ethylhexyl) phthalate was quantifiable. However, due to interferences in the sample, the sample required dilution to perform the analysis. This resulted in detection levels for individual toxic organics that exceeded the MQLs accepted by ADPCE. However, the sum of the elevated detection levels was added to the quantifiable bis(2-Ethylhexyl) phthalate value. This summation was 1.4 mg/L. For the pond system, this would be 1.6 pounds, which is well below the calculated daily maximum mass allowable for TTO_{Al} for a year's duration. This also occurred for the TTO_{Cu}. The summation was 0.276 mg/L which would be 0.184 lb, well below the calculated daily maximum mass allowable for TTO_{Cu} for a year's duration.

⁴§403.6(a)(2)(ii)-Optional for Existing Sources and New Sources which have already requested certification from PC&E.

⁵Max Allowed - Maximum Allowable concentration based on production to date

Actual Conc *** Actual Concentration of pollutant in recirculating system

Max Allowed (2)** (The user may provide a second set of data)

Actual Conc (2) -- (Ditto)

BASELINE MONITORING REPORT

FACILITY NAME Southwire Company

D. User Sample Location: 2 locations sampled: 1 sample taken directly from recirculation pond. 1 sample taken immediately following caustic die cleaning rinse discharge in the die cleaning booth.

Sample Type [Composite samples are required except where not feasible or where grab samples are specifically required--refer to 40CFR403.12(b)(5)(iii)]: Due to nature of recirculation pond and the intermittent nature of die cleaning rinse procedures, grab samples taken.

Number of Samples Taken: 1 at each location **Frequency (Daily, Weekly, etc):** NA (sample taken on January 8, 1997)

Analytical Methods Used (Must be in accordance with 40CFR136—for example: EPA 608, 625, etc.) see Attachment 3

(6) Certifications [§§403.12(b)(5)(viii) & 403.12(b)(6)]:

40 CFR 403.12(b)(6) Compliance Certification

A. Are applicable categorical pretreatment standards being met on a Consistent basis? YES NO

B. If no, do you require:

(i) Additional operation and maintenance (O&M) to achieve compliance? YES NO

(ii) New or additional pretreatment facilities to achieve compliance? YES NO


40 CFR 403.12(b)(5)(viii) Representative Certification

I certify, to the best of my knowledge, that the sampling and analysis as shown in Section 5.C above is representative of the User's normal work cycles and the expected Discharges to the POTW.

In accordance with 40CFR403.12(b)(5)(viii) & (6) a qualified professional must complete and sign these certifications in the space below.

Name & Title Carrie McWilliams, P.E., GBMc & Associates (Environmental Consultants for Southwire Speciality Products)

Qualified Professional (Please Type or Print)

Signature 

Date 2/5/97

(7) A. If additional O&M or new or additional pretreatment will be required to meet categorical pretreatment standards on a consistent basis, provide an explanation in an attachment. In accordance with §403.12(b)(7) as of November 10, 1990 all categorical industries were required to be in, compliance. New sources must not commence discharge until compliance is possible.

B. Signatory Requirements [40 CFR 403.12(1)]

40 CFR 403.12(1)(3) Authorization to Sign Environmental Reports

I hereby authorize persons filling the position title of _____ responsible for the overall operation of the _____ facility in _____ Arkansas to sign all regular reports required by National Pretreatment Standards -- pursuant to ADPC&E rules and/or Clean Water Act (CWA) regulations. This written authorization is provided in accordance with 40 CFR 403.12(1) and comparable state regulations.

See Attachment 4
Corporate Official name & title here

Signature

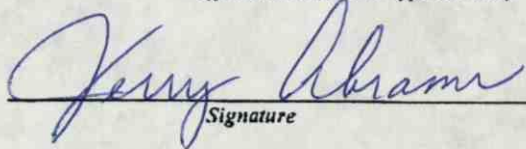
Date

40 CFR403.6(a)(2)(ii) Certification

I certify under penalty of law that I have personally examined and am familiar with the information in this Baseline Monitoring 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.

Jerry Abrams
Name of Authorized Representative (Please Type or Print)

Southwire Specialty Products General Manager
Official Title (Please Type or Print)


Signature

11/31/97
Date

 **Rea**
Algonquin Industries Division


INTEROFFICE CORRESPONDENCE

TO: FILE
FROM: KAMESH CHIVUKULA
SUBJECT: DELEGATION OF SIGNATORY AUTHORITY
DATE: 2/18/2003
CC: CARMINE CIVETELLI, MATT STOWE

The Clean Air Act, Clean Water Act, Resource Conservation and Recovery Act and various state environmental laws require that certain applications, notices and other related documents submitted to the governing authority be signed by a Responsible Corporate Officer. For some reports and other submittals, the Responsible Corporate Officer may delegate signatory authority to another individual.

The purpose of this IOC is to document the delegation of signatory authority to the General Manager of Algonquin Industries Division, Osceola Plant for cases where the signature of a Responsible Corporate Officer or his designee is allowed.

As evidenced by my signature below, I (Kamesh Chivukula, President Algonquin Industries) hereby delegate to the General Manager of Algonquin Industries Division, Osceola Plant the responsibility and authority to sign certain regulatory documents requiring the signature of a Responsible Corporate Officer or his designee.



Kamesh Chivukula, President
Algonquin Industries

03.12.03

Date

Pretreatment Industrial Inspection

Facility Information

Facility Name: <u>Algonquin Ind</u>	Site Address: <u>1800 Highway 61 S Osceola, AR 72370</u>
Signatory Authority (Name & Title): <u>Garmine A. Giveletti, Gen Mgr</u>	Mailing Address (if different): <u>P.O. Box 643 72370</u>
Phone: <u>(870) 563-5207 ext 200</u>	
Fax: <u>(870) 563-1207</u>	
Address: <u>—</u>	Corporate Owner Name and address (if applicable): <u>Rea Magnet Wire 3600 E. Pontiac / Fort Wayne, IN</u>
Phone: <u>—</u>	Phone: <u>(260) 421-7321 46803</u>
Fax: <u>—</u>	Fax: <u>—</u>
Contact Person (Name & Title): <u>Jerry McPherson, Plt Eng</u>	Corporate CEO: <u>Larry Bagwell</u>
e-mail:	e-mail:
Facility Permit # <u>—</u> or ARP00 <u>0020</u>	Last Inspection Date: <u>N/A</u>
POTW (City) IU discharges to: <u>City of Osceola</u>	POTW's NPDES #AR00 <u>21580</u>
Industrial Classification: <input checked="" type="checkbox"/> Categorical	<input type="checkbox"/> Significant
If Categorical, list which CFR #(s) the facility is subject to: <u>40 CFR parts 467 & 468</u>	

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A. Inspection Objectives		
B. Inspection Analysis		
II. Pre-Inspection Meeting		
A. General Information		
B. Facility Permits		
C. Additional Comments		
III. Attachments "Yes" indicates item exists at the facility and attachments will be included		
"No" indicates item does not exist at the facility and attachments aren't necessary		
A. Industrial Processes & Amts <u>A-1 & A-2</u>	yes <input checked="" type="checkbox"/> no <input type="checkbox"/>	Page of
B. Pollution Prevention Activities	yes <input type="checkbox"/> no <input checked="" type="checkbox"/>	Page of
C. Pretreatment System	yes <input checked="" type="checkbox"/> no <input type="checkbox"/>	Page of
D. Chemical Storage	yes <input checked="" type="checkbox"/> no <input type="checkbox"/>	Page of
E. Spill/Slug Control Plan	yes <input checked="" type="checkbox"/> no <input type="checkbox"/>	Page of
F. Self-Monitoring/TOMP	yes <input checked="" type="checkbox"/> no <input type="checkbox"/>	Page of

Comments: Need to verify Amt A-1 Process Schematic

Inspector's Name (Print): <u>Rufus Torrence</u>	Signature: <u>[Signature]</u>
IU Rep's Name (Print): <u>Jerry McPherson</u>	Signature: <u>[Signature]</u>
Date and Time Inspection Ended: <u>6-20-05 @ 12:35 pm</u>	



I. Summary of Inspection

A. Inspection and Objective (Complete Before Inspection)

<input type="checkbox"/> Permit Renewal	<input checked="" type="checkbox"/> Annual <i>BT</i>	<input type="checkbox"/> Spill/Slug	<input type="checkbox"/> Unscheduled
<input type="checkbox"/> New Construction	<input type="checkbox"/> Noncompliance	<input type="checkbox"/> Follow-up	<input type="checkbox"/> Complaint

Inspection Objective(s)

Compliance Assurance

Checklist of items to be reviewed and/or visually inspected:

<input checked="" type="checkbox"/> Pre-inspection Meeting	<input type="checkbox"/> Permit Conditions	<input type="checkbox"/> Safety Concerns
<input checked="" type="checkbox"/> Process Inspection	<input checked="" type="checkbox"/> Pretreatment Process	<input type="checkbox"/> TOMP
<input checked="" type="checkbox"/> Chemical Storage	<input checked="" type="checkbox"/> Discharge point(s)	<input type="checkbox"/> Spills/Slug Control Plan
<input type="checkbox"/> Records Review	<input type="checkbox"/> RCRA information	<input type="checkbox"/> Process/Flow/Pretreatment Schematics
<input checked="" type="checkbox"/> IU sampling procedures	<input type="checkbox"/> Flow/pH Meter(s)	<input type="checkbox"/> Calibration Records
<input type="checkbox"/> MSDS Inventory List	<input type="checkbox"/> New MSDS	<input type="checkbox"/>

Comments:

B. Inspection Analysis

Were there any deficiencies/violations identified and noted during the inspection? Yes No

Provide a brief narrative of deficiencies/violations or other concerns in the following areas:

Records Review

Process Area(s)

Pretreatment System

Self Monitoring Procedures

Diversion/Sewer Meters

Can divert CCR to surface

Spill/Slug Control Plan

Sampling Point

Chemical Storage

II. Pre-Inspection Meeting

A. General Information

Date and Time Inspection Started: 6-20-05 @ 10:20 SIC code(s): 3354, 3355, 3357

IU Reps/Titles: Jerry McPherson, Plt. Eng.
Matt Stamp, Mgr Tech Control Authority Reps/Titles: Rufus Torrence, Pret Eng

End product(s): Non-ferrous Wire Approx. # of units produced:

Days of Operation: M-F Days of Production (if different):

Hours of Operation: 24hr/day Hours of Production (if different):

Shift 1, hrs.: 7am to 5pm Shift 2, hrs.: 9pm to 7am Shift 3, hrs.: 5pm to 1:00 am

of Employees: 91 Peak Mos.: "Off" Mos.:

Are there any scheduled plant shutdowns? Yes No N/A If yes, when?

Are there designated plant clean-up days? Yes No N/A If yes, when?

Is the facility currently in compliance with all pretreatment reporting requirements and limits? Yes No

If No, explain:

Are there any Special Entry Procedures for the Discharge/Sample point locations? Yes No

If Yes, explain: Safety Shields & Steel-toe Shoes

Are there any Safety Concerns or Identified Hazards that the inspector should be aware of? Yes No

If Yes, explain:

~~Has there been any changes since the last inspection regarding the following items:~~

~~Plant/flow/process layout? Yes No If yes, obtain copy of updated schematic for facility file.~~

~~Processes? Yes No If yes, explain:~~

~~Production Levels? Yes No If yes, explain:~~

~~Raw materials? Yes No If yes, explain:~~

~~Flow rates? Yes No If yes, explain:~~

Are regulated and non-regulated wastestreams combined? yes no

Prior to Pretreatment System? yes no N/A

If Yes, was the CWF used to calculate limits? yes no

Prior to connection to the POTW sanitary sewer? yes no N/A

At connection to sanitary sewer? yes no N/A

Production and flows verified for Production-Based Standards? yes no N/A

What is the current avg. production rate and process flow?

Sec AmTA-3 Constant 80,000 GPD Pond Circulation

Is the prod. rate or flow substantially different (+/- 20%) from those used in calculating limits? yes no N/A

This facility has no "equivalent limits"; must comply with published standards on a semi-annual basis.

Attachment A: Industrial Process(es)

List process(es) generating wastewater. Note if it's categorical (federally regulated w/pretreatment limits) or not

1. Sol Heat Treatm't	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. C/E Bath	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
2. Core Die Clean	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	5. C/E Rinse	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
3. Pressure Ht Treat CW	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	6. Pickling & Ext Heat	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Were processes visually inspected? Yes No N/A

Brief description of process(es):

Draws Al & Cu Rods to
make wire

General observations of facility's indoor housekeeping:

Good

General observations of area outside facility's building:

Good

Check all sources of wastewater being discharged into the City's collection system. Indicate avg. gal/day, measured (M) or estimated (E). If batch (B) discharged, list frequency and volume (1000 gal/month, e.g.).

<input checked="" type="checkbox"/> Process Rinse Overflows	<input type="checkbox"/> Equip. Cleanup	<input type="checkbox"/> Floor Cleanup	<input type="checkbox"/> Spent Bath Solutions
<input type="checkbox"/> Product Cleaning	<input type="checkbox"/> Forklifts Maint./Wash	<input type="checkbox"/> Tank Dragout	<input type="checkbox"/> Air Pollution Devices
<input type="checkbox"/> Boiler Blowdown	<input type="checkbox"/> Spent Rinse Tanks	<input type="checkbox"/> Equipment Coolants	<input type="checkbox"/> Non-Contact Cooling Water
<input type="checkbox"/> Stormwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

List Major Raw Materials and Chemicals used:

Check Waste Stream Pollutants of Concern from Process(es)

<input type="checkbox"/> BOD	<input checked="" type="checkbox"/> CN ⁻	<input type="checkbox"/> Metals (List) Cr, Cu, Pb	<input type="checkbox"/> Solvents (List)
<input type="checkbox"/> TSS	<input type="checkbox"/> Cl ₂	Ni, Zn	
<input checked="" type="checkbox"/> O&G	<input type="checkbox"/> S ⁻		
<input type="checkbox"/> pH	<input type="checkbox"/>		

Are there floor drains in the Process area? Yes No If yes list number and the location of all floor drains:

Attachment B: Pollution Prevention (P2) / Recycling Activities

Does the facility have a written P2 Plan? Yes No

Does this facility practice P2? Yes No

Environmental Management System in place? Yes No

ISO Certified? Yes No

Written Standard Operating Procedures? Yes No

Explain:

Preventative Maintenance Program Yes No (hydraulic systems, valves, pumps, etc)

Explain:

Water Reuse: Yes No

Explain:

Cost Accounting to Track Savings: Yes No

Explain:

Inventory Control / "Green Purchasing": Yes No (lean manufacturing/"env. friendly purchasing", etc)

Explain:

Employee Training: Yes No

Explain:

Spent Solvent Reclamation? Yes No

Explain:

Recycle Paper, Aluminum, Boxes, and Pallets? Yes No

Explain:

Recycle Waste Oil, Solvents, and Lubricants? Yes No

Explain:

Other Activities

P2 Equipment/Practices in use:

- | | |
|--|---|
| <input type="checkbox"/> Overflow Alarms | <input type="checkbox"/> Aqueous Cleaning Solutions |
| <input type="checkbox"/> Fog Spray Rinsing | <input type="checkbox"/> Countercurrent Rinsing |
| <input type="checkbox"/> Dragout Collection Trays | <input type="checkbox"/> Seal-Less Pumps |
| <input type="checkbox"/> Air Jets to Blow Parts Dry | <input type="checkbox"/> Secondary Containment of Process Solutions |
| <input type="checkbox"/> Aqueous Paint Stripping Solutions | <input type="checkbox"/> Bead Blasting to Remove Paint |
| <input type="checkbox"/> Water Soluble Cutting Fluids | <input type="checkbox"/> Recycle Overspray |
| <input checked="" type="checkbox"/> In-Process Recycle (Ion Exchange, Reverse Osmosis) | <input type="checkbox"/> Conductivity Meters |
| <input type="checkbox"/> Dead Rinse Tanks | <input type="checkbox"/> Bath / Rinse Filtration |

Attachment C: Pretreatment System

Are wastestreams segregated before pretreatment? Yes No N/A

Are they pretreated prior to discharge to the sanitary sewer? Yes No N/A

Was the pretreatment system visually inspected during this visit? Yes No N/A

Check which of the following are utilized for pretreatment prior to discharge to sanitary sewer:

<input type="checkbox"/> Dissolved air floatation	<input type="checkbox"/> Membrane Tech.	<input type="checkbox"/> Ion Exchange	<input type="checkbox"/> Biological Treatment
<input type="checkbox"/> Centrifugation	<input type="checkbox"/> Flow Equalization	<input type="checkbox"/> Ozonation	<input type="checkbox"/> Chlorinating
<input type="checkbox"/> Chemical Precipitation	<input type="checkbox"/> Oil/Water Separation	<input type="checkbox"/> Reverse Osmosis	<input type="checkbox"/> Grit Removal
<input type="checkbox"/> Sludge Filter Press	<input type="checkbox"/> Grease Trap	<input type="checkbox"/> Screen	<input type="checkbox"/> Solvent Separation
<input type="checkbox"/> pH Adjustment	<input type="checkbox"/> Sand Trap	<input type="checkbox"/> Sedimentation	<input type="checkbox"/> Silver Recovery
<input type="checkbox"/> Belt/Disk Oil Skimmer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Provide Brief Description of Pretreatment System (leaks, cleanliness, equipment not in working order):

N/A

Does the description match the schematic currently on file? Yes No N/A

System Operator(s) Name:

Does discharge permit require licensed operator? Yes No N/A

Is the System Operator(s) licensed by the State of Arkansas (per Reg. # 3?) Yes No N/A

List Name(s) and License classification:

Is training provided to the Pretreatment System Operator(s)? Yes No N/A

If Yes, list type and frequency:

Is the discharge from the Pretreatment System? Batch Continuous Combination

If any discharges are batch type or combination, describe the following:

Volume of each batch: _____ gallons per

Describe process from which batch originated (spent bath, e.g.):

Approximate duration of batch discharge:

Meter Type	Calibration Procedure and Frequency	Comments (Totalizer Reading)

Attachment D: Chemical Storage Area(s)

Does the facility have a designated chemical storage area(s)? Yes No

Was this area(s) visually inspected? Yes No N/A

Describe Chemical Storage Area(s)	Are there floor drains in this area?	If yes, where does this drain lead to?
1.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Pretreatment <input type="checkbox"/> Sanitary Sewer <input type="checkbox"/> Storm Sewer
2.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Pretreatment <input type="checkbox"/> Sanitary Sewer <input type="checkbox"/> Storm Sewer
3.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Pretreatment <input type="checkbox"/> Sanitary Sewer <input type="checkbox"/> Storm Sewer
4.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Pretreatment <input type="checkbox"/> Sanitary Sewer <input type="checkbox"/> Storm Sewer

Does the Chemical Storage Area(s) contain any of the following?

- | | |
|---|---|
| <input type="checkbox"/> Dikes, Berms for Containment | <input type="checkbox"/> Plugs for Floor Drains |
| <input type="checkbox"/> Secondary Tanks for Holding | <input type="checkbox"/> Premix (low) Concentrations |
| <input type="checkbox"/> Alarms | <input type="checkbox"/> Chain restraints, limited access |
| <input type="checkbox"/> Spills Control Kits for Cleanup | <input type="checkbox"/> Notification Procedures |
| <input type="checkbox"/> Chemical desegregation within Storage Area | <input type="checkbox"/> Other |

Chemical Inventory List (MSDS) on file? Yes No N/A

Were any new MSDS reviewed during the Inspection? Yes No N/A

If yes, list below:

Chemical storage comments:

Chemical handling procedures (totes, dolly, buckets, hardline, etc):

Attachment E: Spill/Slug Control Plan

Does the facility have a Spill/Slug control plan? yes no ^①

If yes are the following: 403.8(f)(2)(v)(A-D) requirements in place?

- | | |
|--|---|
| Is the spill/slug control plan <2 years old? | <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A |
| (A) Describes discharge practices including non routine batch (slug) discharges | <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A |
| (B) Describes storage and handling of chemicals | <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A |
| (C) Procedures for immediate notification to POTW of slug discharges | <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A |
| (D) 1. Describes measures for controlling toxic/hazardous pollutants | <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A |
| 2. Describes procedures and equipment for emergency response | <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A |
| 3. Describes follow-up to limit damage suffered by POTW or environment | <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A |
| 4. Does the facility have Spill/Slug Notification Procedures posted? | <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A |
| 5. Are worker personnel provided training in the event of a spill or slug discharge? | <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A |

If no:

- | | |
|---|--|
| Does the facility have Spill/Slug Notification Procedures posted? | <input type="checkbox"/> yes <input type="checkbox"/> no |
| Is it posted in areas where chemicals are used and stored? | <input type="checkbox"/> yes <input type="checkbox"/> no |
| If Yes how many? | |
| Are appropriate personnel provided training in the event of a spill or slug discharge? | <input type="checkbox"/> yes <input type="checkbox"/> no |
| Have there been any non-routine, episodic discharges or chemical spills in the past year? | <input type="checkbox"/> yes <input type="checkbox"/> no |

(Briefly Describe, Include Dates)

Was the City notified of these occurrences? yes no N/A

Visual Inspection of Discharge Lines/Points

Provide description of manhole condition and flow channel of the following where applicable:

Sampling / Monitoring Point	Pond
Total Flow Monitoring Point	N/A Batch Discharge
Upstream Manhole	
Point of Connection:	

① No open floor drains to POTW

Attachment F: Self-Monitoring & if CFR 433, TTO/TOMP Requirements

Have Operator (or person collecting the sample) to describe how composite and grab samples are collected and preserved. Record descriptions. Include name of individual and title.

Grab samples from Pond

Where is the sample point located?

Pond

<input type="checkbox"/> End of Process	<input type="checkbox"/> Pretreatment Effluent	<input type="checkbox"/> Total Flow
<input type="checkbox"/> Combined Flow	<input type="checkbox"/> Metered Flow	<input type="checkbox"/> Flow Actuator
<input type="checkbox"/> Private Manhole	<input type="checkbox"/> Utility Manhole	<input type="checkbox"/> Advance Notice Required
<input type="checkbox"/> Safety Hazards Identified	<input checked="" type="checkbox"/> <i>Recirculating Sys</i>	<input type="checkbox"/>

Is the Sample Collection Site Adequate? Yes No N/A

Does the facility rep. request a split sample on this sampling/inspection? Yes No

Does the facility perform self-monitoring tests in-house? Yes No N/A

If no, record the name and address of Contract Lab: *American Interplex*

Automatic Sampler or Manual

IU Self-Monitoring Results reviewed:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Is the Contract Lab certified by ADEQ for test parameters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Dates and Times of Sample Analysis Recorded?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Correct Methods Used for Test Analysis (Refer To 40CFR Part 136)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
EPA recommended holding times being met (Refer to 40CFR Part 136)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Chain of Custody Records for Self-Monitoring Samples Reviewed	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Were correct Sample Types Collected	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Dates and times of Sample Collection Recorded?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Were Samples preserved correctly (refer to 40CFR Part 136)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Were Self Monitoring records on file for past 3 years?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

List the parameters the facility monitors and the frequency:

<input type="checkbox"/> Cd(t)	<input checked="" type="checkbox"/> Cu(t) <i>2/yr</i>	<input checked="" type="checkbox"/> Cr(t) <i>2/yr</i>	<input checked="" type="checkbox"/> Ni(t) <i>2/yr</i>	<input checked="" type="checkbox"/> Pb(t) <i>2/yr.</i>
<input type="checkbox"/> Ag(t)	<input checked="" type="checkbox"/> Zn(t) <i>2/yr</i>	<input type="checkbox"/> pH	<input type="checkbox"/> CN(t)	<input type="checkbox"/> CN(a-c) <i>2/yr</i>
<input type="checkbox"/> TTO-Vol	<input type="checkbox"/> TTO-B/N	<input type="checkbox"/> TTO-A.E.	<input type="checkbox"/> TTO-Pest	<input type="checkbox"/> Cr(hex)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Toxic Organic Management Plan (TOMP) for Metal Finishers under CFR 433

How does the IU report TTO? Analysis Certification Statement *OdG*

Does the facility have a Toxic Organic Management Plan? Yes No N/A

If yes, Does the plan show how toxic organics are used, stored, and disposed? Yes No N/A

List the date of the last revision to the TOMP:

Is the TOMP being followed as written? Yes No N/A (If no, provide explanation in comments.)

If no, is there evidence that a TOMP is needed? Yes No N/A (If yes, provide description of evidence in comments.)

Comments: *Algonquin tests for OdG in lieu of analyzing for TTOS.*

(870) 563-5207 ext 200

Print this page using the print function in your browser.



Below are the directions to the plant (assuming you are coming from Little Rock):

1. I-40 east
2. I-55 north to exit 48
3. At end of exit ramp (stop sign) turn right
4. Follow to first stop light (approx. 5 miles)
5. Turn right onto Hwy 61
6. Follow Hwy 61 for approx. 1 mile and plant is on the right

Let me know if you have any questions. Be aware it is reported that there is significant road construction on I-40 between Little Rock and Memphis and to a lesser degree road construction on I-55 between Memphis and Osceola.

Best regards,
Matt

Jerry McPherson

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: **Matt Stowe**

TELEPHONE NUMBER: **870-563-5207 ext. 201**, FAX: **870-563-1207**

(2) REPORTING PERIOD--FISCAL YEAR

2005 (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, 2006 - March 31, 2007

(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)	(12,828,646)	09.10.06 - 03/26/07 562 days #1
Extruded Aluminum (\$467.35 Core Die Cleaning)	(2,985,156)	08.31.06 - 03/26/07 207 days #2
Extruded Aluminum (\$467.35 Press Heat Treatment) C300	(4,506,881)	09.06.04 - 03/26/07 931 days #3
(\$467.35 Press Heat Treatment) C500	(7,578,635)	03.03.04 - 03/26/07 1118 days #3
(\$467.35 Press Heat Treatment) C315	(41,678)	03/14/07 - 03/26/07 12 days #5
(\$467.35 Cleaning or Etching Rinse) C315	(41,678)	03/14/07 - 03/26/07 12 days #5
(\$467.35 Cleaning or Etching Bath) C315	(41,678)	03/14/07 - 03/26/07 12 days #5
Rolled Copper (\$468.14(d) Solution Heat Treatment)	(53,048,009)	09.10.05 - 03/26/07 562 days #4
Extruded Copper (\$468.14(k) Pickling Rinse)	(1,536,949)	09.07.04 - 03/26/07 930 days #6
(\$468.14(m) Pickling Bath)	(1,536,949)	09.07.04 - 03/26/07 930 days #6
(\$468.14(e) Extrusion Heat Treatment)	(1,422,822)	09.07.04 - 03/26/07 930 days #6

For the period referenced in part 2(b) of this report, the C315 Process Cleaning and Etching Bath and Rinse tanks were not used.

Mar 2007 SAR
Filed date 2007 04 20

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: 94

D. [Reserved] AFIN 47-00209

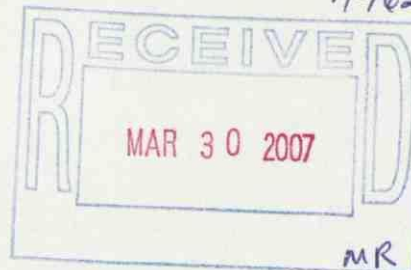
ARPO00020



Algonquin Industries Division
Osceola Plant

March 29, 2007

Arkansas Department of Environmental Quality
Mr. Rufus Torrence
8001 National Drive
Little Rock, AR 72219-8913



Re: Submittal of Semi-Annual Report, Osceola Plant

Dear Mr. Torrence:

Please find enclosed the above referenced document and copies of the analytical results of the sampling used to determine compliance.

Please note the following:

1. A revised version of ADEQ's semi-annual report form was used. The form was revised to clarify information for both ADEQ and Algonquin. The form meets all of the informational requirements of 40 CFR 403.12(e).
2. Limitations for batch discharges were calculated using the production data from a specific time period beginning with the date of the most recent batch discharge and ending with the date the sample(s) (reported herein) were collected. Production data for partial (split) months were prorated.
3. Composite samples were used for the C315 and C350 operations, which encompass §467.35 Press Heat Treatment (C315), §467.35 Cleaning or Etching Rinse (C315), §467.35 Cleaning or Etching Bath (C315), §468.14(k) Pickling Rinse (C350), §468.14(m) Pickling Bath (C350) and §468.14(e) Extrusion Heat Treatment (C350).

If you need additional information, please contact me at (870) 563-5207 x201.

Sincerely,

Matthew Stowe, General Manager
Algonquin Industries Division, Osceola Plant

Enclosures

cc: Bill Denton, Superintendent
Osceola Water Dept
PO Box 443
Osceola, AR 72370

(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:				
§467.15 Solution Heat Treatment ¹ (Aluminum Rolling)	#1 NA	NA	26,667 gallons discharged to the POTW September 10, 2005	Batch discharge from recirculation pond
§467.35 Cleaning or Etching Rinse (Aluminum Extrusion)	#5 NA	NA	Not in service	Batch discharge to either POTW or waste oil tank
467.35 Cleaning or Etching Bath (Aluminum Extrusion)	#5 NA	NA	Not in service	Batch discharge to either POTW or waste oil tank
§467.35 Press Heat Treatment (Aluminum Extrusion)	#3 0.787	NA	One 163-gallon tank discharged to the POTW March 14, 2007	Batch discharge from Aluminum Extrusion (C-315) Product Cooling Tank
§468.14(m) Pickling Bath (Copper Extrusion)	#6 NA	NA	Three 212-gallon tanks discharged to the POTW September 7, 2004	Batch discharge to either POTW or waste oil tank
§468.14(k) Pickling Rinse (Copper Extrusion)	#6 NA	NA	Three 106-gallon tanks discharged to the POTW September 7, 2004	Batch discharge to either POTW or waste oil tank
§468.14(e) Extrusion Heat Treatment (Copper Extrusion)	#6 NA	NA	One 500-gallon tank discharged to the POTW September 7, 2004	Batch discharge from Copper Extrusion (C-350) Product Cooling Tank
§467.35 Core-Die Cleaner (Aluminum Extrusion)	#2 20	N/A	N/A	Intermittent
§467.35 Press Heat Treatment (Aluminum Extrusion)	#3 NA	NA	Two 300-gallon tanks one discharged to the POTW both on September 7, 2004	Batch discharge from Aluminum Extrusion (C-300 & C-500) Cooling Water Tank
§468.14(d) Solution Heat Treatment ¹ (Copper Forming [Rolling])	#4 NA	NA	26,667 gallons discharged to the POTW September 10, 2005	Batch discharge from recirculation pond
§403.6(e) Unregulated: 20,787				
Air compressor condensate blowdown	10 (estimate)	207	N/A	Intermittent
Steam clean forklift wash area	6 (estimate)	207	N/A	Intermittent
§403.6(e) Dilute:				
Cooling water ¹	NA	NA	26,667 gallons discharged to the POTW September 10, 2005	Batch discharge from recirculation pond
Sanitary	5,549 (estimate)	207	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

① ANPCAN Macro (Calculate Limits - Algonquin) does not use any flows or rates. Instead, ANPCAN uses the volume (80,000 gals) of water circulating in the pond/pipes system and the cumulative production to determine the Allowable Conc in the pond.

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.

Concentrations (mg/l)	Cr	Cu	Pb	Ni	Zn	TTO	O&G	CN
C-500 Cooling Water Tank (Aluminum Extrusion) Allowable Concentrations	1120.7	NA	NA	NA	3786.3	NA	160,538	757.3
C-500 Cooling Water Tank Measured Concentrations	0.012	NA	NA	NA	0.068	NA	<5	<0.01
C-300 Cooling Water Tank (Aluminum Extrusion) Allowable Concentrations	666.5	NA	NA	NA	2251.6	NA	95,470	450.3
C-300 Cooling Water Tank Measured Concentrations	<0.007	NA	NA	NA	0.051	NA	<5	<0.01
Die Cleaning Allowable Concentrations ¹	13 5.3	NA	NA	NA	42 18	NA	1556 761	8 4
Die Cleaning Measured Concentrations	0.23	NA	NA	NA	0.23	NA	<5	<0.01
Pond Allowable Concentration	16.3	51.3	6.6	65.2	55.4	NA	1635	4.8
Pond Measured Concentration	<0.007	0.19	<0.04	<0.01	0.028	NA	<5	<0.01
C-315 Aluminum Extrusion Tank 1 (Cleaning or Etching Bath)	NA	NA	NA	NA	NA	NA	NA	NA
C-315 Aluminum Extrusion Tank 1 Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-315 Aluminum Extrusion Tank 2 (Cleaning or Etching Rinse)	NA	NA	NA	NA	NA	NA	NA	NA
C-315 Aluminum Extrusion Tank 2 Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-315 Aluminum Extrusion Tank 3 (Cleaning or Etching Rinse)	NA	NA	NA	NA	NA	NA	NA	NA
C-315 Aluminum Extrusion Tank 3 Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-315 Aluminum Extrusion Tank 4 (Cleaning or Etching Bath)	NA	NA	NA	NA	NA	NA	NA	NA
C-315 Aluminum Extrusion Tank 4 Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-315 Cooling Water Tank (Aluminum Extrusion) Allowable Concentrations	11.3	NA	NA	NA	38.3	NA	1625	7.7
C-315 Cooling Water Tank Measured Concentrations ²	NA	NA	NA	NA	NA	NA	NA	NA
C-350 Copper Extrusion Tank 1 (Pickling Bath)	17.4	100.8	13.0	127.8	60.9	NA	1210	NA
C-350 Copper Extrusion Tank 1 Measured Concentration	0.065	27	<0.04	<0.01	0.065	NA	<5	<0.01
C-350 Copper Extrusion Tank 2 (Pickling Rinse)	408.6	2271	293.8	2883	1384	NA	27247	NA
C-350 Copper Extrusion Tank 2 Measured Concentration	0.065	27	<0.04	<0.01	0.065	NA	<5	<0.01
C-350 Copper Extrusion Tank 3 (Pickling Bath)	17.4	100.8	13.0	127.8	60.9	NA	1210	NA
C-350 Copper Extrusion Tank 3 Measured Concentration	0.065	27	<0.04	<0.01	0.065	NA	<5	<0.01
C-350 Copper Extrusion Tank 4 (Pickling Rinse)	408.6	2271	293.8	2883	1384	NA	27247	NA
C-350 Copper Extrusion Tank 4 Measured Concentration	0.065	27	<0.04	<0.01	0.065	NA	<5	<0.01
C-350 Copper Extrusion Tank 5 (Pickling Rinse)	408.6	2271	293.8	2883	1384	NA	27247	NA
C-350 Copper Extrusion Tank 5 Measured Concentration	0.065	27	<0.04	<0.01	0.065	NA	<5	<0.01
C-350 Copper Extrusion Tank 6 (Pickling Bath)	17.4	100.8	13.0	127.8	60.9	NA	1210	NA
C-350 Copper Extrusion Tank 6 Measured Concentration	0.065	27	<0.04	<0.01	0.065	NA	<5	<0.01
C-350 Cooling Water Tank (Copper Extrusion) Allowable Concentrations	0.133	0.737	0.096	0.74	0.37	NA	8.8	NA
C-350 Cooling Water Tank Measured Concentrations ^{3,4}	0.065	27	<0.04	<0.01	0.065	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 TTOs.
- 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 reviewing "PB" icon on NPDES toolbar.

¹ Listed as daily maximum and monthly average respectively
² No water in tanks after emptying the tank on 14 March 2007
³ Contents of tank not released to POTW
⁴ Volume composite sample taken for all tanks

✓ ⇒ Algonquin calculated limits are identical to ANPCAN Limits



March 28, 2007
Control No. 108409
Page 3 of 6

Algonquin Industries
Post Office Box 643
Osceola, AR 72370

ANALYTICAL RESULTS

AIC No. 108409-1
Sample Identification: 500 26MAR2007

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	< 0.01	0.01	mg/l	W20265	
Chromium	EPA 200.8	0.012	0.007	mg/l	S20097	
Zinc	EPA 200.8	0.088	0.002	mg/l	S20097	
Oil and Grease	EPA 1664A	< 5	5	mg/l	B4494	

AIC No. 108409-2
Sample Identification: 300 26MAR2007

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	< 0.01	0.01	mg/l	W20265	
Chromium	EPA 200.8	< 0.007	0.007	mg/l	S20097	
Zinc	EPA 200.8	0.051	0.002	mg/l	S20097	
Oil and Grease	EPA 1664A	< 5	5	mg/l	B4494	

AIC No. 108409-3
Sample Identification: 350 26MAR2007

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	< 0.01	0.01	mg/l	W20265	
Copper	EPA 200.7	27	0.006	mg/l	S20097	
Chromium	EPA 200.8	0.065	0.007	mg/l	S20097	
Lead	EPA 200.8	< 0.04	0.04	mg/l	S20097	
Nickel	EPA 200.8	< 0.01	0.01	mg/l	S20097	
Zinc	EPA 200.8	0.065	0.002	mg/l	S20097	
Oil and Grease	EPA 1664A	< 5	5	mg/l	B4494	

AIC No. 108409-4
Sample Identification: Pond 26MAR2007

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	< 0.01	0.01	mg/l	W20265	
Chromium	EPA 200.8	< 0.007	0.007	mg/l	S20097	
Copper	EPA 200.8	0.19	0.006	mg/l	S20097	
Lead	EPA 200.8	< 0.04	0.04	mg/l	S20097	
Nickel	EPA 200.8	< 0.01	0.01	mg/l	S20097	
Zinc	EPA 200.8	0.028	0.002	mg/l	S20097	
Oil and Grease	EPA 1664A	< 5	5	mg/l	B4494	

AIC No. 108409-5
Sample Identification: Die Clean 26MAR2007

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	< 0.01	0.01	mg/l	W20265	
Chromium	EPA 200.8	0.23	0.007	mg/l	S20097	
Zinc	EPA 200.8	0.23	0.002	mg/l	S20097	
Oil and Grease	EPA 1664A	< 5	5	mg/l	B4494	

(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 _____.

(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.

Matthew Stowe
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

General Manager
OFFICIAL TITLE


SIGNATURE

29 March 2007
DATE SIGNED



SEMI-ANNUAL REPORT FOR USERS REGULATED BY THE AI & C₁ 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: Robb Dickson

TELEPHONE NUMBER: 870-563-5207 ext. 269, FAX: 870-563-1207

(2) REPORTING PERIOD--FISCAL YEAR

2005 (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, 2006 - September 30, 2006

(3) DESCRIPTION OF OPERATION

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

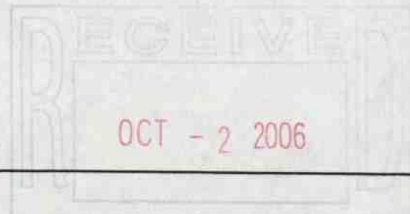
B. CHANGES: SUMMARIZE ANY CHANGES IN THE REGULATED PROCESSES SINCE THE LAST REPORT. ATTACH AN ADDITIONAL SHEET IF THE SPACE BELOW IS INADEQUATE. PROVIDE A NEW SCHEMATIC IF APPROPRIATE.

PROCESS	PRODUCTION-OFF/LB	PRODUCTION DAYS ¹
Rolled Aluminum (\$467.15 Solution Heat Treatment)	(11,493,273)	09.10.06 - 08.31.06 355 days #1
Extruded Aluminum (\$467.35 Core Die Cleaning)	(2,797,453)	03.01.06 - 08.31.06 183 days #2
Extruded Aluminum (\$467.35 Press Heat Treatment) C300	3,594,751	09.06.04 - 08.31.06 724 days #3
(\$467.35 Press Heat Treatment) C500	6,304,171	03.03.04 - 08.31.06 911 days #3
(\$467.35 Press Heat Treatment) C315	1,670,341	09.07.04 - 08.31.06 723 days #5
(\$467.35 Cleaning or Etching Rinse) C315	1,670,341	09.07.04 - 08.31.06 723 days #5
(\$467.35 Cleaning or Etching Bath) C315	1,670,341	09.07.04 - 08.31.06 723 days #5
Rolled Copper (\$468.14(d) Solution Heat Treatment)	(42,625,839)	09.10.05 - 08.31.06 355 days #4
Extruded Copper (\$468.14(k) Pickling Rinse)	(1,216,941)	09.07.04 - 08.31.06 723 days #6
(\$468.14(m) Pickling Bath)	1,216,941	09.07.04 - 08.31.06 723 days #6
(\$468.14(e) Extrusion Heat Treatment)	1,216,941	09.07.04 - 08.31.06 723 days #6

For the period referenced in part 2(b) of this report, the C315 Process Cleaning and Etching Bath and Rinse tanks were not used.

Sep 2006 SAR
Filed date 2006 1005

ARP 000020



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: 102

D. [Reserved]

ENVIRONMENTAL

Algonquin Industries Division
1800 Highway 61 South
Osceola, AR 72370

Tel (870) 563-5207
Fax (870) 563-1207



Algonquin Industries Division
Osceola Plant



September 27, 2006

Arkansas Department of Environmental Quality
Mr. Rufus Torrence
8001 National Drive
Little Rock, AR 72219-8913

Re: Submittal of Semi-Annual Report & Delegation of Signatory Authority for Algonquin Industries, Osceola Plant

Dear Mr. Torrence:

Please find enclosed the above referenced document and copies of the analytical results of the sampling used to determine compliance.

Please note the following:

1. A revised version of ADEQ's semi-annual report form was used. The form was revised to clarify information for both ADEQ and Southwire. The form meets all of the informational requirements of 40 CFR 403.12(e).
2. Limitations for batch discharges were calculated using the production data from a specific time period beginning with the date of the most recent batch discharge and ending with the date the sample(s) (reported herein) were collected. Production data for partial (split) months were prorated.
3. Composite samples were used for the C315 and C350 operations, which encompass §467.35 Press Heat Treatment (C315), §467.35 Cleaning or Etching Rinse (C315), §467.35 Cleaning or Etching Bath (C315), §468.14(k) Pickling Rinse (C350), §468.14(m) Pickling Bath (C350) and §468.14(e) Extrusion Heat Treatment (C350).

If you need additional information, please contact me at (870) 563-5207 x269.

Sincerely,

Algonquin Industries, Osceola Plant
Robb Dickson, Plant Engineer

Enclosures

cc: Bill Denton, Superintendent
Osceola Water Dept
PO Box 443
Osceola, AR 72370

(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:				
§467.15 Solution Heat Treatment ¹ (Aluminum Rolling)	#1 NA	NA	26,667 gallons discharged to the POTW September 10, 2005	Batch discharge from recirculation pond
§467.35 Cleaning or Etching Rinse (Aluminum Extrusion)	#5 NA	NA	Two 106-gallon tanks emptied into AST September 7, 2004	Batch discharge to either POTW or waste oil tank
467.35 Cleaning or Etching Bath (Aluminum Extrusion)	#5 NA	NA	Two 212-gallon tanks one discharged to the POTW and one emptied into AST September 7, 2004	Batch discharge to either POTW or waste oil tank
§467.35 Press Heat Treatment (Aluminum Extrusion)	#3 NA	NA	One 163-gallon tank discharged to the POTW September 7, 2004	Batch discharge from Aluminum Extrusion (C-315) Product Cooling Tank
§468.14(m) Pickling Bath (Copper Extrusion)	#6 NA	NA	Three 212-gallon tanks discharged to the POTW September 7, 2004	Batch discharge to either POTW or waste oil tank
§468.14(k) Pickling Rinse (Copper Extrusion)	#6 NA	NA	Three 106-gallon tanks discharged to the POTW September 7, 2004	Batch discharge to either POTW or waste oil tank
§468.14(e) Extrusion Heat Treatment (Copper Extrusion)	#6 NA	NA	One 500-gallon tank discharged to the POTW September 7, 2004	Batch discharge from Copper Extrusion (C-350) Product Cooling Tank
§467.35 Core-Die Cleaner (Aluminum Extrusion)	#2 20	N/A	N/A	Intermittent
§467.35 Press Heat Treatment (Aluminum Extrusion)	#3 NA	NA	Two 300-gallon tanks one discharged to the POTW both on September 7, 2004	Batch discharge from Aluminum Extrusion (C-300 & C-500) Cooling Water Tank
§468.14(d) Solution Heat Treatment ¹ (Copper Forming [Rolling])	#4 NA	NA	26,667 gallons discharged to the POTW September 10, 2005	Batch discharge from recirculation pond
§403.6(e) Unregulated:				
Air compressor condensate blowdown	10 (estimate)	184	N/A	Intermittent
Steam clean forklift wash area	6 (estimate)	184	N/A	Intermittent
§403.6(e) Dilute:				
Cooling water ¹	NA	NA	26,667 gallons discharged to the POTW September 10, 2005	Batch discharge from recirculation pond
Sanitary	5,549 (estimate)	184	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

① ANPCAN (Calculate Limits Algonquin) does not use any flows or rates. Instead, ANPCAN uses the volume (80,000 gals) in the pond/piping system and the cumulative production to determine the Allowable conc in the pond.

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.

Concentrations (mg/l)	Cr	Cu	Pb	Ni	Zn	TTO	O&G	CN
C-500 Cooling Water Tank (Aluminum Extrusion) Allowable Concentrations	932.3	NA	NA	NA	3149.6	NA	133,541	629.9
C-500 Cooling Water Tank Measured Concentrations	0.026	NA	NA	NA	0.026	NA	<5	<0.01
C-300 Cooling Water Tank (Aluminum Extrusion) Allowable Concentrations	531.6	NA	NA	NA	1796	NA	76,147	359.2
C-300 Cooling Water Tank Measured Concentrations	<0.007	NA	NA	NA	0.049	NA	<5	<0.01
Die Cleaning Allowable Concentrations ¹	14 6	NA	NA	NA	45 19	NA	1650 806	9 4
Die Cleaning Measured Concentrations	0.62	NA	NA	NA	0.52	NA	32	<0.01
Pond Allowable Concentration	13.8	41.3	5.3	52.39	46.7	NA	1408	4.3
Pond Measured Concentration	<0.007	0.24	<0.04	<0.01	0.025	NA	<5	<0.01
C-315 Aluminum Extrusion Tank 1 (Cleaning or Etching Bath)	NA	NA	NA	NA	NA	NA	NA	NA
C-315 Aluminum Extrusion Tank 1 Measured Concentration	<0.007	NA	NA	NA	0.020	NA	6.8	<0.01
C-315 Aluminum Extrusion Tank 2 (Cleaning or Etching Rinse)	NA	NA	NA	NA	NA	NA	NA	NA
C-315 Aluminum Extrusion Tank 2 Measured Concentration	<0.007	NA	NA	NA	0.020	NA	6.8	<0.01
C-315 Aluminum Extrusion Tank 3 (Cleaning or Etching Rinse)	NA	NA	NA	NA	NA	NA	NA	NA
C-315 Aluminum Extrusion Tank 3 Measured Concentration	<0.007	NA	NA	NA	0.020	NA	6.8	<0.01
C-315 Aluminum Extrusion Tank 4 (Cleaning or Etching Bath)	NA	NA	NA	NA	NA	NA	NA	NA
C-315 Aluminum Extrusion Tank 4 Measured Concentration	<0.007	NA	NA	NA	0.020	NA	6.8	<0.01
C-315 Cooling Water Tank (Aluminum Extrusion) Allowable Concentrations	454.6	NA	NA	NA	1536	NA	65,122	307.2
C-315 Cooling Water Tank Measured Concentrations ²	<0.007	NA	NA	NA	0.020	NA	6.8	<0.01
C-350 Copper Extrusion Tank 1 (Pickling Bath)	13.77	78.9	10.32	101.2	48.18	NA	958	NA
C-350 Copper Extrusion Tank 1 Measured Concentration	0.046	32	<0.04	0.011	0.11	NA	8.5	<0.01
C-350 Copper Extrusion Tank 2 (Pickling Rinse)	323.5	1798	232.6	2282	1096	NA	21,574	NA
C-350 Copper Extrusion Tank 2 Measured Concentration	0.046	32	<0.04	0.011	0.11	NA	8.5	<0.01
C-350 Copper Extrusion Tank 3 (Pickling Bath)	13.77	79.8	10.32	101.2	48.18	NA	958	NA
C-350 Copper Extrusion Tank 3 Measured Concentration	0.046	32	<0.04	0.011	0.11	NA	8.5	<0.01
C-350 Copper Extrusion Tank 4 (Pickling Rinse)	323.5	1798	232.6	2282	1096	NA	21,574	NA
C-350 Copper Extrusion Tank 4 Measured Concentration	0.046	32	<0.04	0.011	0.11	NA	8.5	<0.01
C-350 Copper Extrusion Tank 5 (Pickling Rinse)	323.5	1798	232.6	2282	1096	NA	21,574	NA
C-350 Copper Extrusion Tank 5 Measured Concentration	0.046	32	<0.04	0.011	0.11	NA	8.5	<0.01
C-350 Copper Extrusion Tank 6 (Pickling Bath)	13.77	79.8	10.32	101.2	48.18	NA	958	NA
C-350 Copper Extrusion Tank 6 Measured Concentration	0.046	32	<0.04	0.011	0.11	NA	8.5	<0.01
C-350 Cooling Water Tank (Copper Extrusion) Allowable Concentrations	0.105	0.584	0.076	0.584	0.292	NA	7.04	NA
C-350 Cooling Water Tank Measured Concentrations ^{2,3}	0.046	32	<0.04	0.011	0.11	NA	8.5	<0.01

40CFR136 Preservation and Analytical Methods Use: Yes No

- ① Tracking pond loading only since it represents over 95% of WW load
- ② Algonquin is allowed to test for O&G in lieu of toxic organics.
- ③ Calculations show both max & ave limits as die cleaning is only operation with continuous flow.
- ④ NOTE: Enter data & Algonquin Allowable conc limits (above) into ANPCAN database; verify limits afterward by reviewing "PB" icon on NPDES further.

¹ Listed as daily maximum and monthly average respectively
² Contents are not discharged to the POTW
³ Volume composite sample taken for all tanks

✓ ⇒ Verified by ANPCAN "PB" macro

(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 _____.

(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

Matthew Stone
SIGNATURE

General Manager, Osceola Plant
OFFICIAL TITLE

28 Sept 2006
DATE SIGNED

ATTACHMENT 1

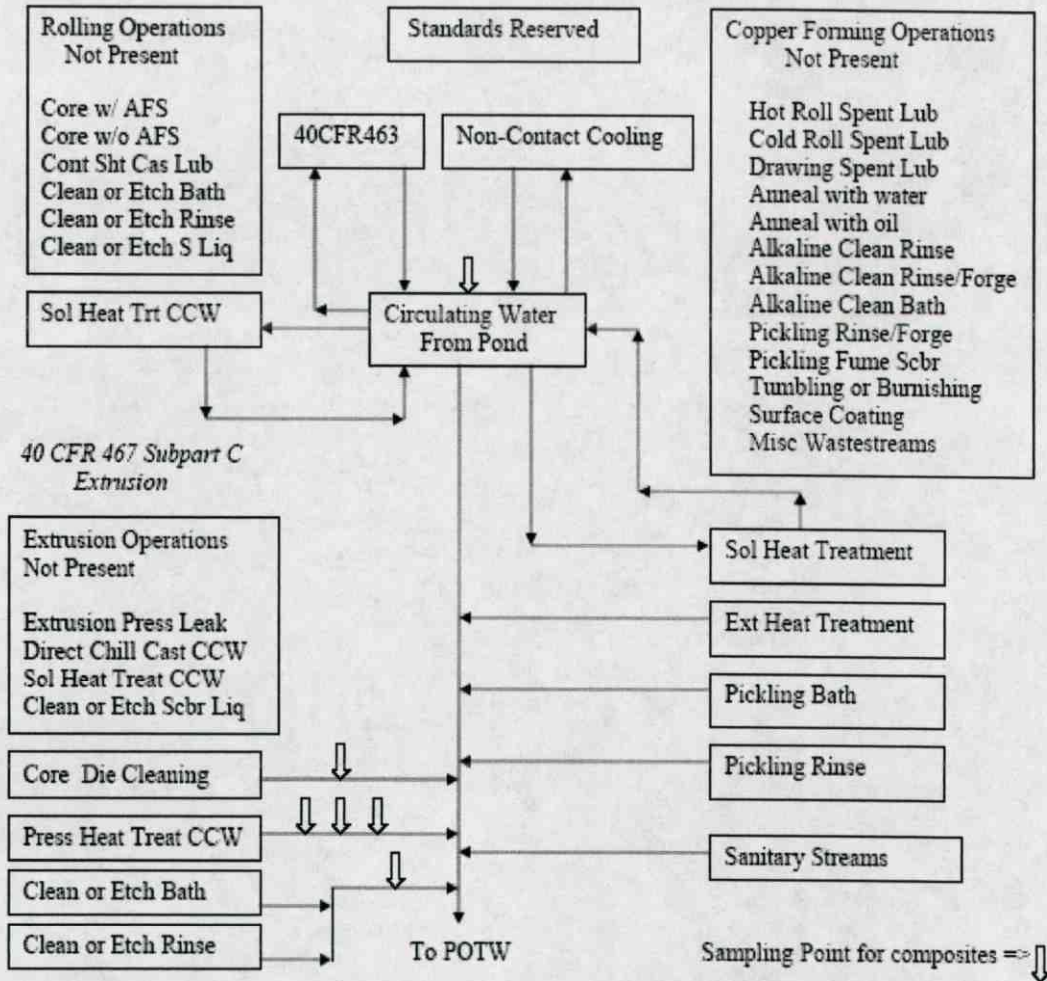
Flow Schematics

Algonquin Industries Osceola, Arkansas

40 CFR 467 Subpart A Operations
Rolling with Neat Oils

40CFR463 Subpart A
Contact Cooling

40 CFR 468 Subpart A Operations
Copper Forming



40 CFR 467 Subpart C
Extrusion

Extrusion Operations
Not Present
Extrusion Press Leak
Direct Chill Cast CCW
Sol Heat Treat CCW
Clean or Etch Scbr Liq

Core Die Cleaning
Press Heat Treat CCW
Clean or Etch Bath
Clean or Etch Rinse

Sol Heat Treatment
Ext Heat Treatment
Pickling Bath
Pickling Rinse
Sanitary Streams

§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]
Signature of §403.12(b) Professional

09.25.06
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.

[Signature]
Plant Manager or the authorized §403.12(i) official

28 Sept 2006
Date
SSP_Diagram.doc (August 9, 2002, 2002)

ATTACHMENT 2

Sampling and Analysis Results

Algonquin Industries
P.O. Box 643
Osceola, AR 72370

ANALYTICAL RESULTS

AIC No. 102947-1

Sample Identification: Pond 08-31-06

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	EPA 335.2	< 0.01	0.01	mg/l	W18094	
Chromium	EPA 200.8	< 0.007	0.007	mg/l	S18796	
Copper	EPA 200.8	0.24	0.006	mg/l	S18796	
Lead	EPA 200.8	< 0.04	0.04	mg/l	S18796	
Nickel	EPA 200.8	< 0.01	0.01	mg/l	S18796	
Zinc	EPA 200.8	0.025	0.002	mg/l	S18796	
Oil and Grease	EPA 1664	< 5	5	mg/l	B4161	

AIC No. 102947-2

Sample Identification: DC 08-31-06 10:30

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	EPA 335.2	< 0.01	0.01	mg/l	W18094	
Chromium	EPA 200.7	0.62	0.007	mg/l	S18804	
Zinc	EPA 200.7	0.52	0.002	mg/l	S18804	
Oil and Grease	EPA 1664	32	5	mg/l	B4161	

AIC No. 102947-3

Sample Identification: C 315 08-31-06 10:20

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	EPA 335.2	< 0.01	0.01	mg/l	W18094	
Chromium	EPA 200.8	< 0.007	0.007	mg/l	S18796	
Zinc	EPA 200.8	0.020	0.002	mg/l	S18796	
Oil and Grease	EPA 1664	6.8	5	mg/l	B4161	

AIC No. 102947-4

Sample Identification: C 300 08-31-06 09:50

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	EPA 335.2	< 0.01	0.01	mg/l	W18094	
Chromium	EPA 200.8	< 0.007	0.007	mg/l	S18796	
Zinc	EPA 200.8	0.049	0.002	mg/l	S18796	
Oil and Grease	EPA 1664	< 5	5	mg/l	B4161	

AIC No. 102947-5

Sample Identification: C 350 08-31-06 10:00

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	EPA 335.2	< 0.01	0.01	mg/l	W18094	
Copper	EPA 200.7	32	0.006	mg/l	S18804	
Chromium	EPA 200.8	0.046	0.007	mg/l	S18804	
Lead	EPA 200.8	< 0.04	0.04	mg/l	S18804	
Nickel	EPA 200.8	0.011	0.01	mg/l	S18804	
Zinc	EPA 200.8	0.11	0.002	mg/l	S18804	
Oil and Grease	EPA 1664	8.5	5	mg/l	B4161	

Algonquin Industries
P.O. Box 643
Osceola, AR 72370

ANALYTICAL RESULTS

AIC No. 102947-6

Sample Identification: C 500 08-31-06 09:45

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	EPA 335.2	< 0.01	0.01	mg/l	W18094	
Chromium	EPA 200.8	0.026	0.007	mg/l	S18804	
Zinc	EPA 200.8	0.026	0.002	mg/l	S18804	
Oil and Grease	EPA 1664	< 5	5	mg/l	B4161	

SEMI-ANNUAL REPORT FOR USERS REGULATED BY THE AI & 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: Robb Dickson

TELEPHONE NUMBER: 870-563-5207 ext. 269, FAX: 870-563-1207

(2) REPORTING PERIOD--FISCAL YEAR

2005 (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, 2005 - March 31, 2006

(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)	10,089,037	09.10.05 - 03.22.06 193 days #1
Extruded Aluminum (\$467.35 Core Die Cleaning)	5,251,344	03.31.04 - 09.22.05 356 days #2
Extruded Aluminum (\$467.35 Press Heat Treatment) C300	2,742,923	09.06.04 - 09.22.05 562 days
(\$467.35 Press Heat Treatment) C500	5,084,810	03.03.04 - 09.22.05 749 days #3
(\$467.35 Press Heat Treatment) C315	860,829	09.07.04 - 09.22.05 561 days
(\$467.35 Cleaning or Etching Rinse) C315	896,484	09.07.04 - 09.22.05 380 days #5
(\$467.35 Cleaning or Etching Bath) C315	896,484	09.07.04 - 09.22.05 380 days
Rolled Copper (\$468.14(d) Solution Heat Treatment)	33,607,419	09.10.05 - 09.22.05 193 days #4
Extruded Copper (\$468.14(k) Pickling Rinse)	1,044,128	09.07.04 - 09.22.05 561 days
(\$468.14(m) Pickling Bath)	1,044,128	09.07.04 - 09.22.05 561 days #6
(\$468.14(e) Extrusion Heat Treatment)	1,044,128	09.07.04 - 09.22.05 561 days

For the period referenced in part 2(b) of this report, the C315 Process Cleaning and Etching Bath and Rinse tanks were not used.

Mar 2006 SAR

Filed at 2006 03 31

ARPO00020

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: 92

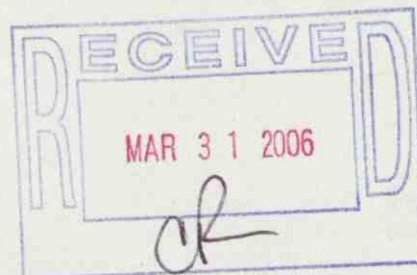
D. [Reserved]

Algonquin Industries Division
1800 Highway 61 South
Osceola, AR 72370

Tel (870) 563-5207
Fax (870) 563-1207



**Algonquin Industries Division
Osceola Plant**



March 30, 2006

Arkansas Department of Environmental Quality
Mr. Rufus Torrence
8001 National Drive
Little Rock, AR 72219-8913

Re: Submittal of Semi-Annual Report & Delegation of Signatory Authority for Algonquin Industries, Osceola Plant

Dear Mr. Torrence:

Please find enclosed the above referenced document and copies of the analytical results of the sampling used to determine compliance.

Please note the following:

1. A revised version of ADEQ's semi-annual report form was used. The form was revised to clarify information for both ADEQ and Southwire. The form meets all of the informational requirements of 40 CFR 403.12(e).
2. Limitations for batch discharges were calculated using the production data from a specific time period beginning with the date of the most recent batch discharge and ending with the date the sample(s) (reported herein) were collected. Production data for partial (split) months were prorated.
3. Composite samples were used for the C315 and C350 operations, which encompass §467.35 Press Heat Treatment (C315), §467.35 Cleaning or Etching Rinse (C315), §468.14(k) Pickling Rinse (C350), §468.14(m) Pickling Bath (C350) and §468.14(e) Extrusion Heat Treatment (C350).
4. Zinc concentration in Die Cleaning solution was traced back to galvanized buckets being used for carrying the caustic soda. The operator, purchasing and supervision personnel have been made aware of this issue, and will work together to prevent recurrences.

If you need additional information, please contact me at (870) 563-5207 x269.

Sincerely,

A handwritten signature in black ink, appearing to read 'Robb Dickson'.

Algonquin Industries, Osceola Plant
Robb Dickson, Plant Engineer

Enclosures

cc: Bill Denton, Superintendent
Osceola Water Dept
PO Box 443
Osceola, AR 72370

(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:				
§467.15 Solution Heat Treatment ¹ (Aluminum Rolling)	#1 NA	NA	26,667 gallons discharged to the POTW September 10, 2005	Batch discharge from recirculation pond
§467.35 Cleaning or Etching Rinse (Aluminum Extrusion)	#5 NA	NA	Two 106-gallon tanks emptied into AST September 7, 2004	Batch discharge to either POTW or waste oil tank
467.35 Cleaning or Etching Bath (Aluminum Extrusion)	#5 NA	NA	Two 212-gallon tanks one discharged to the POTW and one emptied into AST September 7, 2004	Batch discharge to either POTW or waste oil tank
§467.35 Press Heat Treatment (Aluminum Extrusion)	#3 NA	NA	One 163-gallon tank discharged to the POTW September 7, 2004	Batch discharge from Aluminum Extrusion (C-315) Product Cooling Tank
§468.14(m) Pickling Bath (Copper Extrusion)	#6 NA	NA	Three 212-gallon tanks discharged to the POTW September 7, 2004	Batch discharge to either POTW or waste oil tank
§468.14(k) Pickling Rinse (Copper Extrusion)	#6 NA	NA	Three 106-gallon tanks discharged to the POTW September 7, 2004	Batch discharge to either POTW or waste oil tank
§468.14(e) Extrusion Heat Treatment (Copper Extrusion)	#6 NA	NA	One 500-gallon tank discharged to the POTW September 7, 2004	Batch discharge from Copper Extrusion (C-350) Product Cooling Tank
§467.35 Core-Die Cleaner (Aluminum Extrusion)	#2 20	N/A	N/A	Intermittent
§467.35 Press Heat Treatment (Aluminum Extrusion)	#3 NA	NA	Two 300-gallon tanks one discharged to the POTW both on September 7, 2004	Batch discharge from Aluminum Extrusion (C-300 & C-500) Cooling Water Tank
§468.14(d) Solution Heat Treatment ¹ (Copper Forming [Rolling])	#4 NA	NA	26,667 gallons discharged to the POTW September 10, 2005	Batch discharge from recirculation pond
§403.6(e) Unregulated:				
Air compressor condensate blowdown	10 (estimate)	184	N/A	Intermittent
Steam clean forklift wash area	6 (estimate)	184	N/A	Intermittent
§403.6(e) Dilute:				
Cooling water ¹ contact	NA	NA	26,667 gallons discharged to the POTW September 10, 2005	Batch discharge from recirculation pond
Sanitary	5,549 (estimate)	184	N/A	Continuous

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

(5) MEASUREMENT OF POLLUTANTS

<p>A. TYPE OF TREATMENT SYSTEM CHECK EACH APPLICABLE BLOCK</p> <p><input type="checkbox"/> Neutralization</p> <p><input type="checkbox"/> Chemical Precipitation and Sedimentation</p> <p><input type="checkbox"/> Chromium Reduction</p> <p><input type="checkbox"/> Cyanide Destruction</p> <p><input type="checkbox"/> Other _____</p> <p><input checked="" type="checkbox"/> None</p>	<p>B. COMMENTS ON TREATMENT SYSTEM</p>
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① ANPCAN does not use any flows or rates. Instead, ANPCAN uses the volume (90,000 gals) Page 2 in the pond/piping system and the cumulative production to determine the Allowable conc in the pond.

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.

Concentrations (mg/l)	Cr	Cu	Pb	Ni	Zn	TTO	O&G	CN
C-500 Cooling Water Tank (Aluminum Extrusion) Allowable Concentrations	752	NA	NA	NA	2540	NA	107,712	508.1
C-500 Cooling Water Tank Measured Concentrations	0.012	NA	NA	NA	0.026	NA	<5	<0.01
C-300 Cooling Water Tank (Aluminum Extrusion) Allowable Concentrations	406	NA	NA	NA	1370	NA	58,103	274
C-300 Cooling Water Tank Measured Concentrations	<0.007	NA	NA	NA	0.05	NA	<5	<0.01
Die Cleaning Allowable Concentrations ¹ (3)	13 5	NA	NA	NA	43 19	NA	1592 778	9 4
Die Cleaning Measured Concentrations	0.052	NA	NA	NA	54 ²	NA	<5	<0.01
Pond Allowable Concentration	11.438	32.54	4.181	41.304	38.748	NA	1191.9	3.78
Pond Measured Concentration	<0.007	0.17	<0.04	<0.01	0.028	NA	5.1	<0.01
C-315 Aluminum Extrusion Tank 1 (Cleaning or Etching Bath)	NA	NA	NA	NA	NA	NA	NA	NA
C-315 Aluminum Extrusion Tank 1 Measured Concentration	<0.007	NA	NA	NA	0.005	NA	<5	<0.01
C-315 Aluminum Extrusion Tank 2 (Cleaning or Etching Rinse)	NA	NA	NA	NA	NA	NA	NA	NA
C-315 Aluminum Extrusion Tank 2 Measured Concentration	<0.007	NA	NA	NA	0.005	NA	<5	<0.01
C-315 Aluminum Extrusion Tank 3 (Cleaning or Etching Rinse)	NA	NA	NA	NA	NA	NA	NA	NA
C-315 Aluminum Extrusion Tank 3 Measured Concentration	<0.007	NA	NA	NA	0.005	NA	<5	<0.01
C-315 Aluminum Extrusion Tank 4 (Cleaning or Etching Bath)	NA	NA	NA	NA	NA	NA	NA	NA
C-315 Aluminum Extrusion Tank 4 Measured Concentration	<0.007	NA	NA	NA	0.005	NA	<5	<0.01
C-315 Cooling Water Tank (Aluminum Extrusion) Allowable Concentrations	234.3	NA	NA	NA	791.5	NA	33561	158.3
C-315 Cooling Water Tank Measured Concentrations ²	<0.007	NA	NA	NA	0.018	NA	<5	<0.01
C-350 Copper Extrusion Tank 1 (Pickling Bath)	11.81	68.5	8.86	86.8	41.34	NA	822	NA
C-350 Copper Extrusion Tank 1 ² Measured Concentration	<0.007	18.0	<0.04	<0.01	0.086	NA	8.6	<0.01
C-350 Copper Extrusion Tank 2 (Pickling Rinse)	277.6	1542	199.6	1958	940	NA	18510	NA
C-350 Copper Extrusion Tank 2 ² Measured Concentration	<0.007	18.0	<0.04	<0.01	0.086	NA	8.6	<0.01
C-350 Copper Extrusion Tank 3 (Pickling Bath)	11.81	68.5	8.86	86.8	41.34	NA	822	NA
C-350 Copper Extrusion Tank 3 ² Measured Concentration	<0.007	18.0	<0.04	<0.01	0.086	NA	8.6	<0.01
C-350 Copper Extrusion Tank 4 (Pickling Rinse)	277.6	1542	199.6	1958	940	NA	18510	NA
C-350 Copper Extrusion Tank 4 ² Measured Concentration	<0.007	18.0	<0.04	<0.01	0.086	NA	8.6	<0.01
C-350 Copper Extrusion Tank 5 (Pickling Rinse)	277.6	1542	199.6	1958	940	NA	18510	NA
C-350 Copper Extrusion Tank 5 ² Measured Concentration	<0.007	18.0	<0.04	<0.01	0.086	NA	<5	<0.01
C-350 Copper Extrusion Tank 6 (Pickling Bath)	11.81	68.5	8.86	86.8	41.34	NA	822	NA
C-350 Copper Extrusion Tank 6 ² Measured Concentration	<0.007	18.0	<0.04	<0.01	0.086	NA	8.6	<0.01
C-350 Cooling Water Tank (Copper Extrusion) Allowable Concentrations	0.0901	0.501	0.0651	0.501	0.250	NA	6.01	NA
C-350 Cooling Water Tank Measured Concentrations ^{3,4}	<0.007	18.0	<0.04	<0.01	0.086	NA	8.6	<0.01

40CFR136 Preservation and Analytical Methods Use: Yes No

- ① Tracking pond loading only since it represents over 95% of WW load
- ② Algonquin is allowed to test for O&G in lieu of toxics organics.
- ③ Calculation show both max & Ave limits as die cleaning is only operating w/ continuous flow
- ④ NOTE: Enter data & Algonquin Allowable conc limits (above) into ANPCAN; verify afterward by reviewing "PB"

¹ Listed as daily maximum and monthly average respectively

² Galvanized buckets found in Die Cleaning area. Procedure is being put in place to prevent future occurrences.

³ Contents are not discharged to the POTW

⁴ Volume composite sample taken for all tanks

icon on NPPES toolbar.

✓ => 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 _____.

(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)]

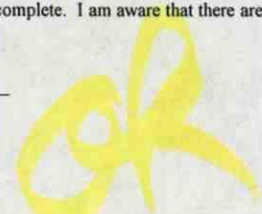
I certify under penalty of law that I have personally examined and am familiar with the information in this semi-annual compliance report and all attachments, and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the report, I believe that the 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.

Matt Stowe
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

Matt Stowe
SIGNATURE

General Manager, Osceola Plant
OFFICIAL TITLE

30 Mar 2006
DATE SIGNED



R E P O R T

Southwire Specialty Products
Post Office Box 643
Osceola, AR 72370

January 15, 1997
Control No. 24252
Page 1 of 2

ATTN: Mr. Buddy Strop

Project Description: Two (2) water received on January 9, 1997
GBMc Proposal
P.O. No. 710369

Sample Identification: AL Forming Die Cleaning 1-8-97 10:28, 10:30, 10:35AM
AIC No. 24252-1

Parameter	Method	Result	Batch	Time Analyzed By
Chromium	EPA 200.7	0.084 mg/l	S6395	09JAN97 1139 170
Zinc	EPA 200.7	0.69 mg/l	S6395	09JAN97 1139 170
Aroclor-1016	EPA 608	<0.07 ug/l	G2333	10JAN97 0836 100/117
Aroclor-1221	EPA 608	<0.2 ug/l	G2333	10JAN97 0836 100/117
Aroclor-1232	EPA 608	<0.05 ug/l	G2333	10JAN97 0836 100/117
Aroclor-1242	EPA 608	<0.06 ug/l	G2333	10JAN97 0836 100/117
Aroclor-1248	EPA 608	<0.07 ug/l	G2333	10JAN97 0836 100/117
Aroclor-1254	EPA 608	<0.2 ug/l	G2333	10JAN97 0836 100/117
Aroclor-1260	EPA 608	<0.06 ug/l	G2333	10JAN97 0836 100/117
Endosulfan sulfate	EPA 608	<0.066 ug/l	G2333	10JAN97 0836 100/117
Endrin	EPA 608	<0.006 ug/l	G2333	10JAN97 0836 100/117
Endrin aldehyde	EPA 608	<0.023 ug/l	G2333	10JAN97 0836 100/117
Total Cyanide	EPA 335.2	<0.01 mg/l	W6911	09JAN97 1101 190
Ethylbenzene	EPA 624	<7.2 ug/l	V1847	10JAN97 0849 167
Tetrachloroethylene	EPA 624	<4.1 ug/l	V1847	10JAN97 0849 167
Toluene	EPA 624	<6 ug/l	V1847	10JAN97 0849 167
Trichloroethylene	EPA 624	<1.9 ug/l	V1847	10JAN97 0849 167
Total Recoverable Oil and Grease	EPA 413.1	<5 mg/l	W6934	10JAN97 1030 168

Sample Identification: Pond
AIC No. 24252-2

Parameter	Method	Result	Batch	Time Analyzed By
Chromium	EPA 200.7	<0.007 mg/l	S6395	09JAN97 1139 170
Copper	EPA 200.7	6.7 mg/l	S6395	09JAN97 1139 170
Lead	EPA 200.7	<0.04 mg/l	S6395	09JAN97 1139 170
Nickel	EPA 200.7	<0.01 mg/l	S6395	09JAN97 1139 170
Zinc	EPA 200.7	0.59 mg/l	S6395	09JAN97 1140 170
Aroclor-1016	EPA 608	<0.7 ug/l	G2333	10JAN97 0836 100/117
Aroclor-1221	EPA 608	<2 ug/l	G2333	10JAN97 0836 100/117
Aroclor-1232	EPA 608	<0.5 ug/l	G2333	10JAN97 0836 100/117
Aroclor-1242	EPA 608	<0.6 ug/l	G2333	10JAN97 0836 100/117
Aroclor-1248	EPA 608	<0.7 ug/l	G2333	10JAN97 0836 100/117
Aroclor-1254	EPA 608	<2 ug/l	G2333	10JAN97 0836 100/117
Aroclor-1260	EPA 608	<0.6 ug/l	G2333	10JAN97 0836 100/117
Endosulfan sulfate	EPA 608	<0.66 ug/l	G2333	10JAN97 0836 100/117
Endrin	EPA 608	<0.06 ug/l	G2333	10JAN97 0836 100/117
Endrin aldehyde	EPA 608	<0.23 ug/l	G2333	10JAN97 0836 100/117
pH	EPA 150.1	7.0 Units	W6912	09JAN97 1744 93

R E P O R T

Southwire Specialty Products
Post Office Box 643
Osceola, AR 72370

January 15, 1997
Control No. 24252
Page 1 of 2

ATTN: Mr. Buddy Strop

Project Description: Two (2) water received on January 9, 1997
GBMc Proposal
P.O. No. 710369

Sample Identification: AL Forming Die Cleaning 1-8-97 10:28, 10:30, 10:35AM
AIC No. 24252-1

BASE/NEUTRAL AND ACID COMPOUNDS
EPA 625

Compound	Result
Phenol	< 1.5 ug/l
2-Chlorophenol	< 3.3 ug/l
Isophorone	< 2.2 ug/l
Naphthalene	< 1.6 ug/l
4-Chloro-3-methylphenol	< 3 ug/l
Acenaphthylene	< 3.5 ug/l
Acenaphthene	< 1.9 ug/l
1,2-Diphenylhydrazine	< 11 ug/l
2,4-Dinitrotoluene	< 5.7 ug/l
Diethyl phthalate	< 1.9 ug/l
Fluorene	< 1.9 ug/l
N-Nitrosodiphenylamine (1)	< 1.9 ug/l
Phenanthrene	< 5.4 ug/l
Anthracene	< 1.9 ug/l
Dibutyl phthalate	6.4 ug/l
Fluoranthene	< 2.2 ug/l
Pyrene	< 1.9 ug/l
bis(2-Ethylhexyl)phthalate	240 ug/l
Chrysene	< 2.5 ug/l
Benzo(b)fluoranthene	< 4.8 ug/l
Benzo(k)fluoranthene	< 2.5 ug/l
Benzo(a)pyrene	< 2.5 ug/l
Indeno(1,2,3-cd)pyrene	< 3.7 ug/l
Dibenz(a,h)anthracene	< 2.5 ug/l
Benzo(g,h,i)perylene	< 4.1 ug/l

(1) cannot be separated from diphenylamine