

Gage, Hannah

From: Gilliam, Allen
Sent: Friday, March 18, 2016 3:43 PM
To: 'jrausch@reawire.com'
Cc: Gage, Hannah; 'bhaynes58@yahoo.com'
Subject: AR0021580_Rea Algonquin ARP000020 corrected Sept 2015 semi annual report_20160318
Attachments: REA Algonquin Sept 2015 corrected semi annual report.pdf

John,

Rea's corrected September 2015 report was received and included in your file.

Thank you for the submission.

Sincerely,

Allen Gilliam
ADEQ State Pretreatment Coordinator
501.682.0625

ec: Brandon Haynes, Osceola Water & Wastewater Superintendent

E/NPDES/NPDES/Pretreatment/Reports

BYEXØ

Algonquin Industries Division
1800 Highway 61 South
Osceola, AR 72370

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



**Algonquin Industries Division
Osceola Plant**

Rec'd 11/24/15
ME

November 20, 2015

Mr. Allen Gilliam
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, Arkansas 72118

**Re: Revised Submittal of Semi-Annual Wastewater Monitoring Report
Rea Magnet Wire Company, Inc. — Algonquin Industries Division
Osceola, Arkansas Plant**

Dear Mr. Gilliam:

It has come to my attention that the "No Discharge" certification statement submitted on September 25, 2015 was not accurate, as there was an intermittent discharge to the City of Osceola from the die cleaning process at an estimated flow rate of five gallons per week during the March 2015 – August 2015 monitoring period. Please find enclosed a revised semi-annual wastewater monitoring report for the March 2015 — August 2015 monitoring period, including an updated flow schematic, copies of the analytical results of the sampling, and a new process description for the facility. As was the case for the previous submittal, 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 samples (reported herein) were collected. A spreadsheet containing updated limitation calculations for the die cleaning process at the facility will accompany the electronic submittal of this report.

If you need any additional information, please contact Joe Crews at (870) 622-4404 or by email at jcrews@reawire.com.

Sincerely,

A handwritten signature in black ink, appearing to read 'John Rausch', written over a horizontal line.

By: John Rausch
*Plant Manager, Osceola Plant
Rea Magnet Wire Company, Inc.*

Enclosures

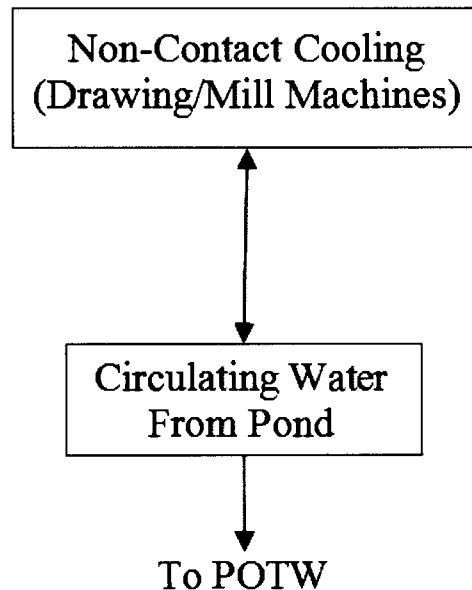
cc: James Carlock, Superintendent
Osceola Water Department
PO Box 443
Osceola, Arkansas 72370

Semi-Annual Wastewater Monitoring Report Wastewater Process Description

At its Osceola, Arkansas plant, Rea – Algonquin Industries Division manufactures specialty aluminum and copper wire products.

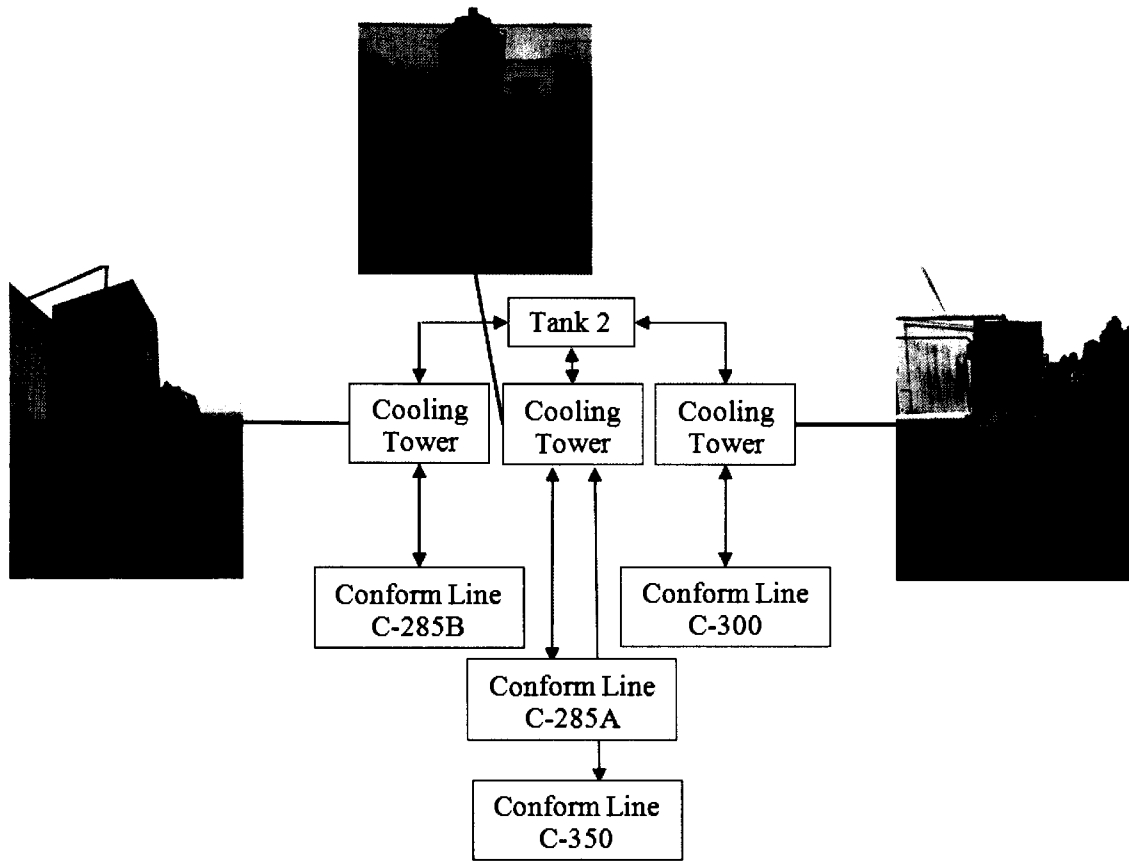
Drawing and Milling

Non-contact cooling water is used in the drawing and milling processes at the facility. The non-contact cooling water is recirculated to the pond. It is possible for the pond to discharge to the City of Osceola Publicly Owned Treatment Works (POTW), but this is typically only necessary when the pond or associated recirculation equipment requires maintenance.



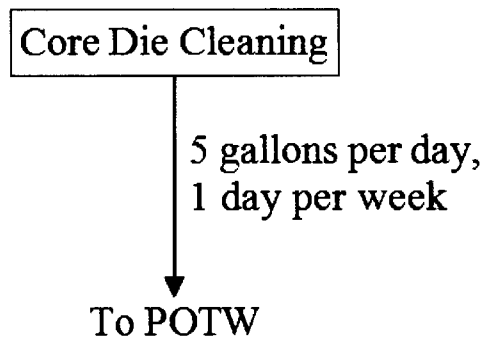
Copper and Aluminum Conform Processes

The copper and aluminum conform lines (C-285A, C-285B, C-300, and C-350) generate wastewater, which recirculates between the conform process equipment and three cooling towers as shown below. Each wastewater line can be pumped into Tank 2, which is periodically pumped out by a waste contractor who ships the wastewater offsite. Wastewater from the copper and aluminum conform lines is not discharged to the City of Osceola POTW.



Die Cleaning Process

Dies are periodically soaked in caustic solution for cleaning. When they are done soaking, they are rinsed off using clean tap water over a sink. The rinse water discharges to the City of Osceola POTW. The estimated discharge flow rate is five gallons per die cleaning event, and the estimated frequency of die cleaning events is once per week.



Other Wastewater Streams

Other wastewater streams that discharge to the City of Osceola POTW include:

- Sanitary waste;
- Air compressor condensate blowdown; and
- Water from the steam clean forklift wash area

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

ATTN: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION																																											
A. LEGAL NAME & MAILING ADDRESS Rea – Algonquin Industries Division 1800 Highway 61 South Osceola, AR 72370	B. FACILITY & LOCATION ADDRESS Rea – Algonquin Industries Division 1800 Highway 61 South Osceola, AR 72370																																										
C. FACILITY CONTACT: John Rausch (jrausch@reawire.com) TELEPHONE NUMBER: 870-622-4413																																											
(2) REPORTING PERIOD--FISCAL YEAR																																											
2015 (Both Semi-Annual Reports to Cover Fiscal Year)																																											
A. MONTHS WHICH REPORTS ARE DUE September & March	B. PERIOD COVERED BY THIS REPORT FROM: March 1, 2015 – August 31, 2015																																										
(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																																										
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">PROCESS</th> <th style="text-align: center;">PRODUCTION-OFF/LB</th> <th style="text-align: center;">PRODUCTION DAYS</th> </tr> </thead> <tbody> <tr> <td>Rolled Aluminum</td> <td></td> <td></td> </tr> <tr> <td>(§467.15 Solution Heat Treatment)</td> <td style="text-align: center;">28,200</td> <td style="text-align: center;">3/1/2015-8/31/2015 184 days</td> </tr> <tr> <td>Extruded Aluminum</td> <td></td> <td></td> </tr> <tr> <td>(§467.35 Core Die Cleaning)</td> <td style="text-align: center;">2,192,953</td> <td style="text-align: center;">3/1/2015-8/31/2015 184 days</td> </tr> <tr> <td>Extruded Aluminum</td> <td></td> <td></td> </tr> <tr> <td>(§467.35 Press Heat Treatment) C300</td> <td style="text-align: center;">0</td> <td style="text-align: center;">N/A 0 days</td> </tr> <tr> <td>(§467.35 Press Heat Treatment) C350</td> <td style="text-align: center;">0</td> <td style="text-align: center;">N/A 0 days</td> </tr> <tr> <td>Rolled Copper</td> <td></td> <td></td> </tr> <tr> <td>(§468.14(d) Solution Heat Treatment)</td> <td style="text-align: center;">0</td> <td style="text-align: center;">N/A 0 days</td> </tr> <tr> <td>Extruded Copper</td> <td></td> <td></td> </tr> <tr> <td>(§468.14(k) Pickling Rinse) C285</td> <td style="text-align: center;">4,533,773</td> <td style="text-align: center;">3/1/2015-8/31/2015 184 days</td> </tr> <tr> <td>(§468.14(m) Pickling Bath) C285</td> <td style="text-align: center;">4,533,773</td> <td style="text-align: center;">3/1/2015-8/31/2015 184 days</td> </tr> <tr> <td>(§468.14(e) Extrusion Heat Treatment) C285</td> <td style="text-align: center;">4,533,773</td> <td style="text-align: center;">3/1/2015-8/31/2015 184 days</td> </tr> </tbody> </table>	PROCESS	PRODUCTION-OFF/LB	PRODUCTION DAYS	Rolled Aluminum			(§467.15 Solution Heat Treatment)	28,200	3/1/2015-8/31/2015 184 days	Extruded Aluminum			(§467.35 Core Die Cleaning)	2,192,953	3/1/2015-8/31/2015 184 days	Extruded Aluminum			(§467.35 Press Heat Treatment) C300	0	N/A 0 days	(§467.35 Press Heat Treatment) C350	0	N/A 0 days	Rolled Copper			(§468.14(d) Solution Heat Treatment)	0	N/A 0 days	Extruded Copper			(§468.14(k) Pickling Rinse) C285	4,533,773	3/1/2015-8/31/2015 184 days	(§468.14(m) Pickling Bath) C285	4,533,773	3/1/2015-8/31/2015 184 days	(§468.14(e) Extrusion Heat Treatment) C285	4,533,773	3/1/2015-8/31/2015 184 days	[Reserved]
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C. Number of Regular Employees at this Facility: <u>42</u>	D. [Reserved]																																										

(4) FLOW MEASUREMENT

B. INDIVIDUAL PROCESS WASTESTREAMS DISCHARGED TO POTW

Operation	Average Flow Rate (gpd)	Number of Discharge Days	Batch Discharge Volume	Type of Discharge
Process:				
§467.15 Solution Heat Treatment (Aluminum Rolling)	NA	NA	Tagged out – not in use	Zero discharge during this monitoring period
§467.35 Cleaning or Etching Rinse (Aluminum Extrusion)	NA	NA	Not in service	NA
§467.35 Cleaning or Etching Bath (Aluminum Extrusion)	NA	NA	Not in service	NA
§468.14(m) Pickling Bath (Copper Extrusion)	13.43	184	2,471 gallons shipped offsite March 23, 2015	Zero discharge during this monitoring period
§468.14(k) Pickling Rinse (Copper Extrusion)	13.43	184	2,471 gallons shipped offsite March 23, 2015	Zero discharge during this monitoring period
§468.14(e) Extrusion Heat Treatment (Copper Extrusion)	13.43	184	2,471 gallons shipped offsite March 23, 2015	Zero discharge during this monitoring period
§467.35 Core-Die Cleaner (Aluminum Extrusion)	5 (estimate)	26 (estimate)	Estimated discharge rate of 5 gallons per die cleaning event and estimated frequency of one die cleaning event per week	Intermittent
§467.35 Press Heat Treatment (Aluminum Extrusion)	13.43	184	2,471 gallons shipped offsite March 23, 2015	Zero discharge during this monitoring period
§468.14(d) Solution Heat Treatment (Copper Forming [Rolling])	NA	NA	Not in service	NA
§403.6(e) Unregulated:				
Air compressor condensate blowdown	10 (estimate)	144	NA	Intermittent
Steam clean forklift wash area	5 (estimate)	144	NA	Intermittent
§403.6(e) Dilute:				
Cooling water ¹	NA	NA	26,667 gallons discharged to the POTW July 1, 2011 (most recent discharge)	Batch discharge from recirculation pond
Sanitary	6,000 (estimate)	144	NA	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

SEMI-ANNUAL REPORT

FACILITY NAME: Algonquin Industries

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	NA	NA	NA	NA	NA	NA	NA	NA
C-500 Cooling Water Tank Measured Concentrations	NA	NA	NA	NA	NA	NA	NA	NA
C-300 Cooling Water Tank (Aluminum Extrusion) Allowable Concentrations	0	NA	NA	NA	0	NA	0	0
C-300 Cooling Water Tank Measured Concentrations	<0.01	NA	NA	NA	<0.05	NA	<5.05	<0.005
Die Cleaning Allowable Concentrations ¹	47 19.2	NA	NA	NA	154 66.1	NA	5666 2770	31 12.6
Die Cleaning Measured Concentrations	0.55	NA	NA	NA	0.735	NA	87.8	<0.005
Pond Allowable Concentration	2.098	9.086	1.167	11.533	6.864	NA	175.8	0.315
Pond Measured Concentration	<0.01	0.0129	<0.005	<0.01	<0.05	NA	<5.62	0.0103
C-350 Aluminum Extrusion Tank 1 (Cleaning or Etching Bath)	NA	NA	NA	NA	NA	NA	NA	NA
C-350 Aluminum Extrusion Tank 1 Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-350 Aluminum Extrusion Tank 2 (Cleaning or Etching Rinse)	NA	NA	NA	NA	NA	NA	NA	NA
C-350 Aluminum Extrusion Tank 2 Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-350 Aluminum Extrusion Tank 3 (Cleaning or Etching Rinse)	NA	NA	NA	NA	NA	NA	NA	NA
C-350 Aluminum Extrusion Tank 3 Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-350 Aluminum Extrusion Tank 4 (Cleaning or Etching Bath)	NA	NA	NA	NA	NA	NA	NA	NA
C-350 Aluminum Extrusion Tank 4 Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-350 Cooling Water Tank (Aluminum Extrusion) Allowable Concentrations	0	NA	NA	NA	0	NA	0	0
C-350 Cooling Water Tank Measured Concentrations	<0.01	NA	NA	NA	<0.05	NA	<5.49	<0.005
C-285 Copper Extrusion Tank 1 (Pickling Bath)	NA	NA	NA	NA	NA	NA	NA	NA
C-285 Copper Extrusion Tank 1 Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-285 Copper Extrusion Tank 2 (Pickling Rinse)	NA	NA	NA	NA	NA	NA	NA	NA
C-285 Copper Extrusion Tank 2 Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-285 Copper Extrusion Tank 3 (Pickling Bath)	NA	NA	NA	NA	NA	NA	NA	NA
C-285 Copper Extrusion Tank 3 Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-285 Copper Extrusion Tank 4 (Pickling Rinse)	NA	NA	NA	NA	NA	NA	NA	NA
C-285 Copper Extrusion Tank 4 Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-285 Copper Extrusion Tank 5 (Pickling Rinse)	NA	NA	NA	NA	NA	NA	NA	NA
C-285 Copper Extrusion Tank 5 Measured Concentration	NA	NA	NA	NA	NA	NA	NA	NA
C-285 Copper Extrusion Tank 6 (Pickling Bath)	43.67	253.31	32.76	321.01	152.86	NA	3,040	NA
C-285 Copper Extrusion Tank 6 Measured Concentration ²	<0.01	<0.01	<0.005	<0.01	<0.05	NA	<5.75	<0.005
C-285 Cooling Water Tank (Copper Extrusion) Allowable Concentrations	0.33	1.85	0.24	1.85	0.93	NA	22	NA
C-285 Cooling Water Tank Measured Concentrations ³	<0.01	<0.01	<0.005	<0.01	<0.05	NA	<5.75	<0.005

40CFR136 Preservation and Analytical Methods Use: Yes No

¹ Listed as daily maximum and monthly average respectively

² Samples for C-285 Copper Extrusion Tank 6 and Cooling Water Tank were taken from the C-285B line cooling tower.

³ Samples for C-285 Copper Extrusion Tank 6 and Cooling Water Tank were taken from the C-285B line cooling tower.

(6) CERTIFICATION

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

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

(Typed Name)

(Corporate Officer or authorized representative)

Date of Signature _____

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

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

CORPORATE ACKNOWLEDGEMENT (Optional)

STATE OF ARKANSAS
COUNTY OF MISSISSIPPI

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

_____ of _____,

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

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

Notary Public in and for _____
County, Arkansas

My commission expires _____.

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

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

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

(8) GENERAL COMMENTS

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

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

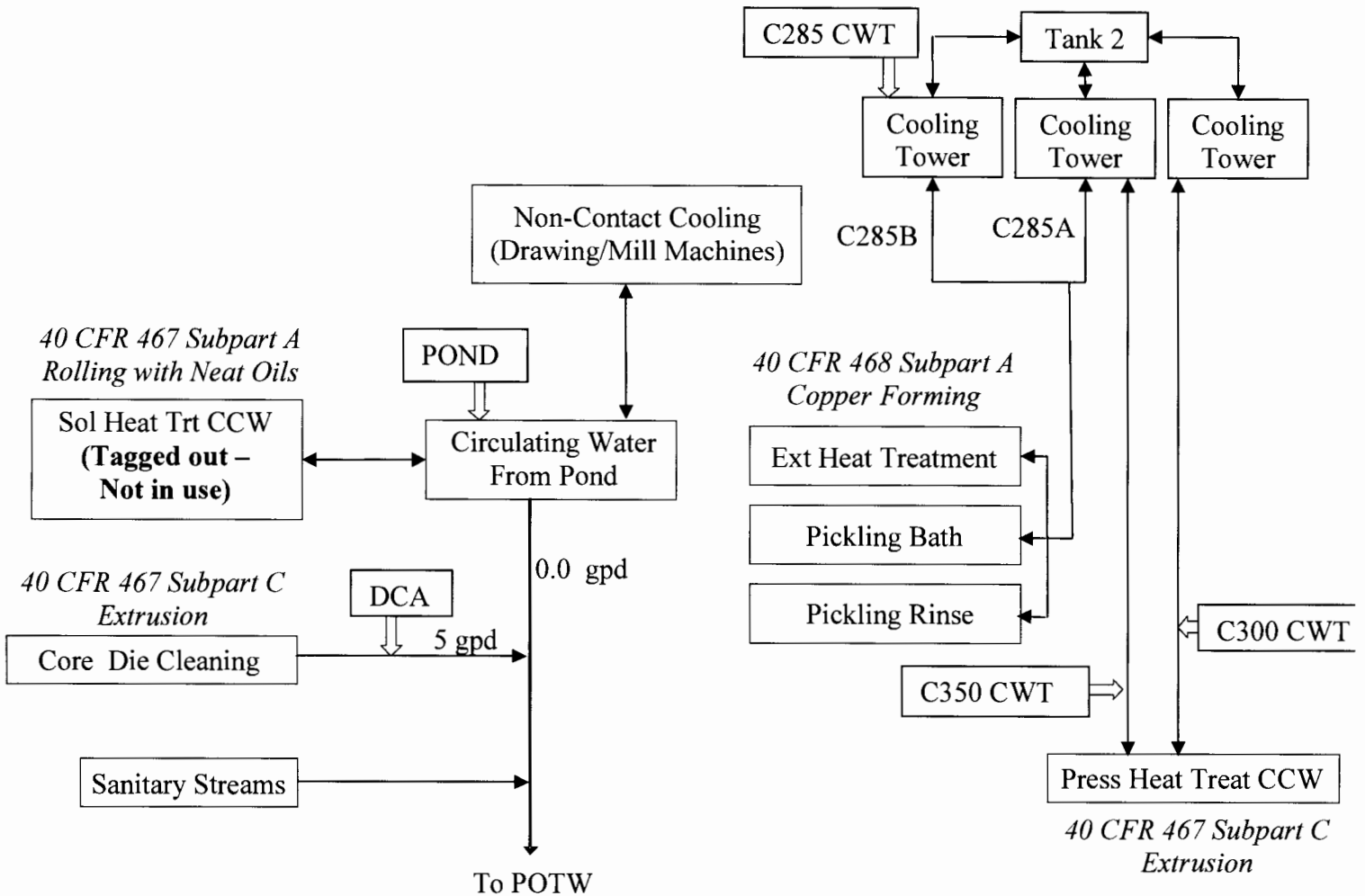
JOHN RAUSCH
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

SIGNATURE

PLANT MANGER
OFFICIAL TITLE

DATE SIGNED

Algonquin Industries Osceola, Arkansas November 2015



Sampling Points => ↓

§403.6(e) Nonregulated Streams Not Present

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

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

Signature of §403.12(b) Professional
 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 penal ties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

 Plant Manager of the authorized §403.12(l) official

 Date
 11-20-15

 Date