

Peltier, Hannah

From: Torrence, Rufus
Sent: Thursday, April 11, 2013 9:37 AM
To: Peltier, Hannah
Subject: FW: ARP000020 AR0021580 AFIN 47-00209 Algonquin March 2013 Semi-Annual Report
Attachments: AGQ Mar 2013 SAR.pdf



April 1, 2013

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

Re: Algonquin's March 2013 Semi-Annual Report
(Permit No. AR0021580 AFIN 47-00209)

Dear Mr. Lamb:

The Department has reviewed Algonquin's March 2013 Semi-annual Pretreatment Report and the report is complete.

The Department appreciates Algonquin's continued efforts in semi-annual reporting.

If you have any questions or concerns, please contact the Department at (501) 682-0626 or by email at torrence@adeq.state.ar.us.

Sincerely,

A handwritten signature in blue ink that reads "Rufus Torrence".

Rufus Torrence, Pretreatment Engineer
Water Division

ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY
5301 NORTHSHORE DRIVE / NORTH LITTLE ROCK / ARKANSAS 72118 5317 / TELEPHONE 501-682-6000
www.adeq.state.ar.us

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 Magnet Wire, Algonquin Industries, Osceola Plant 1800 Highway 61 South Osceola, AR 72370	B. FACILITY & LOCATION ADDRESS Rea Magnet Wire, Algonquin Industries, Osceola Plant 1800 Highway 61 South Osceola, AR 72370																											
C. FACILITY CONTACT: Milton A. Lamb Jr. TELEPHONE NUMBER: 870-622-4418 mlamb@reawire.com																												
(2) REPORTING PERIOD—FISCAL YEAR																												
2013 (Both Semi-Annual Reports to Cover Fiscal Year)																												
A. MONTHS WHICH REPORTS ARE DUE September & March	B. PERIOD COVERED BY THIS REPORT FROM: September 31, 2012 – March 13, 2013																											
(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"> <thead> <tr> <th>PROCESS</th> <th>PRODUCTION-OFF/LB</th> <th>PRODUCTION DAYS¹</th> </tr> </thead> <tbody> <tr> <td>Rolled Aluminum (\$467.15 Solution Heat Treatment)</td> <td>POND (310,404)</td> <td>7/1/2011 – 3/13/2013 621 days #1</td> </tr> <tr> <td>Extruded Aluminum (\$467.35 Core Die Cleaning)</td> <td>1,745,764</td> <td>4/1/2012 – 3/13/2013 164, Continuous #2</td> </tr> <tr> <td>Extruded Aluminum (\$467.35 Press Heat Treatment) C300</td> <td>4,082,622</td> <td>10/23/2009 – 3/13/2013 1219 days #3</td> </tr> <tr> <td>Extruded Aluminum (\$467.35 Press Heat Treatment) C350</td> <td>1,913,821</td> <td>5/31/2011 – 3/13/2013 652 days #3</td> </tr> <tr> <td>Rolled Copper (\$468.14(d) Solution Heat Treatment)</td> <td>6,706,867</td> <td>7/1/2011 – 3/13/2013 621 days #4</td> </tr> <tr> <td>Extruded Copper (\$468.14(k) Pickling Rinse) C285</td> <td>12,200,699</td> <td>9/1/2010 – 3/13/2013 924 days #5</td> </tr> <tr> <td>Extruded Copper (\$468.14(m) Pickling Bath) C285</td> <td>12,200,699</td> <td>9/1/2010 – 3/13/2013 924 days #5</td> </tr> <tr> <td>Extruded Copper (\$468.14(e) Extrusion Heat Treatment) C285</td> <td>12,200,699</td> <td>9/1/2010 – 3/13/2013 924 days #6</td> </tr> </tbody> </table> <p><i>Handwritten notes:</i> POND 5996443 C/E BATH & RINSE POND 36602097</p>	PROCESS	PRODUCTION-OFF/LB	PRODUCTION DAYS ¹	Rolled Aluminum (\$467.15 Solution Heat Treatment)	POND (310,404)	7/1/2011 – 3/13/2013 621 days #1	Extruded Aluminum (\$467.35 Core Die Cleaning)	1,745,764	4/1/2012 – 3/13/2013 164, Continuous #2	Extruded Aluminum (\$467.35 Press Heat Treatment) C300	4,082,622	10/23/2009 – 3/13/2013 1219 days #3	Extruded Aluminum (\$467.35 Press Heat Treatment) C350	1,913,821	5/31/2011 – 3/13/2013 652 days #3	Rolled Copper (\$468.14(d) Solution Heat Treatment)	6,706,867	7/1/2011 – 3/13/2013 621 days #4	Extruded Copper (\$468.14(k) Pickling Rinse) C285	12,200,699	9/1/2010 – 3/13/2013 924 days #5	Extruded Copper (\$468.14(m) Pickling Bath) C285	12,200,699	9/1/2010 – 3/13/2013 924 days #5	Extruded Copper (\$468.14(e) Extrusion Heat Treatment) C285	12,200,699	9/1/2010 – 3/13/2013 924 days #6	<p>Report Rec'd by email on 3-28-2013 @ 5:37 pm</p> <p>March 2013 SAR Filed date 20130329 AFIN 47-00209 ARP 000020 AR 0021580</p>
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¹ The 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: 48	D. [Reserved]																											

① ANPCAN uses only the production for the pond; it uses only #1 & #4 production. Other production is for record only.

Algonquin Industries Division
1800 Highway 61 South
Osceola, AR 72370

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



**Algonquin Industries Division
Osceola Plant**

March 28, 2013

Arkansas Department of Environmental Quality
Mr. Rufus Torrence
5301 Northshore Drive
North Little Rock, AR 72118-5328
501-682-0626

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 samples (reported herein) were collected. Production data for partial (split) months were prorated.

If you need additional information, please contact me at (870) 622-4418.

Sincerely,

A handwritten signature in black ink, appearing to read 'Milton A. Lamb Jr.', written over a horizontal line.

Milton A. Lamb Jr
Plant Engineer, Osceola Plant
Rea Magnet Wire Company, Inc.
Algonquin Industries Division

Enclosures

cc: James Carlock, 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) ^①	Number of Discharge Days	Batch Discharge Volume	Type of Discharge
Process:				
#1 §467.15 Solution Heat Treatment ¹ (Aluminum Rolling)	NA #1	NA	26,667 gallons discharged to the POTW July 1, 2011 (most recent discharge)	Batch discharge from recirculation pond
§467.35 Cleaning or Etching Rinse (Aluminum Extrusion)	NA #5	NA	Not in service	Batch discharge to either POTW or waste oil tank
467.35 Cleaning or Etching Bath (Aluminum Extrusion)	NA #5	NA	Not in service	Batch discharge to either POTW or waste oil tank
§467.35 Press Heat Treatment (Aluminum Extrusion)	NA #3	NA	Not in service	Batch discharge from Aluminum Extrusion (C-350) Product Cooling Tank
§468.14(m) Pickling Bath (Copper Extrusion)	NA #6	NA	Two 200-gallon tanks sent for disposal on September 1, 2010 (most recent discharge)	Batch discharge to either POTW or waste oil tank
§468.14(k) Pickling Rinse (Copper Extrusion)	NA #6	NA	Not in service	Batch discharge to either POTW or waste oil tank
§468.14(e) Extrusion Heat Treatment (Copper Extrusion)	NA #6	NA	One 200-gallon tank sent for disposal on September 1, 2010 (most recent discharge)	Batch discharge from Copper Extrusion (C-285) Product Cooling Tank
§467.35 Coro-Die Cleaner (Aluminum Extrusion)	20 #2	N/A	N/A	Intermittent
§467.35 Press Heat Treatment (Aluminum Extrusion)	NA #3	NA	One 300-gallon tank, one discharged to the POTW on October 23, 2009. (most recent discharge)	Batch discharge from Aluminum Extrusion (C-300 & C-500) Cooling Water Tank
§468.14(d) Solution Heat Treatment ¹ (Copper Forming [Rolling])	NA #4	NA	26,667 gallons discharged to the POTW July 1, 2011 (most recent discharge)	Batch discharge from recirculation pond
§403.6(e) Unregulated:				
Air compressor condensate blowdown	10 (estimate)	129	N/A	Intermittent
Steam clean forklift wash area	5 (estimate)	129	N/A	Intermittent
§403.6(e) Dilute:				
Cooling water ¹	NA	NA	26,667 gallons discharged to the POTW July 1, 2011 (most recent discharge)	Batch discharge from recirculation pond
Sanitary	6,000 (estimate)	129	N/A	Continuous

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

(5) MEASUREMENT OF POLLUTANTS

A. TYPE OF TREATMENT SYSTEM CHECK EACH APPLICABLE BLOCK

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

B. COMMENTS ON TREATMENT SYSTEM

① ANPCAN uses the total gallons (94,000 gal) in the pond and circulating system. Flow rates are for record only.

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

③
①

②

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	603	NA	NA	NA	2040	NA	86482	407
C-300 Cooling Water Tank Measured Concentrations	<0.007	NA	NA	NA	0.038	NA	<5	<0.01
Die Cleaning Allowable Concentrations ¹	10 3.9	NA	NA	NA	31 13.4	NA	1149 561	6 2.6
Die Cleaning Measured Concentrations	<0.007	NA	NA	NA	0.18	NA	<5	<0.01
Pond Allowable Concentration	1.338	6.494	0.834	8.243	4.542	NA	102.58	0.116
Pond Measured Concentration	<0.007	0.46	<0.04	<0.01	0.044	NA	<5	<0.01
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	520.9	NA	NA	NA	1,759	NA	74,614	352
C-350 Cooling Water Tank Measured Concentrations	<0.007	NA	NA	NA	0.017	NA	<5	<0.01
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)	138	800	103	1,014	483	NA	9605	NA
C-285 Copper Extrusion Tank 6 Measured Concentration	<0.007	0.61	<0.04	<0.01	0.033	NA	<5	<0.01
C-285 Cooling Water Tank (Copper Extrusion) Allowable Concentrations	1.053	5.852	0.761	5.852	2.926	NA	70.22	NA
C-285 Cooling Water Tank Measured Concentrations ^{2,3}	<0.007	0.61	<0.04	<0.01	0.033	NA	<5	<0.01

40CFR136 Preservation and Analytical Methods Use: Yes No

- ① Tracking pond loading only since it represents over 95% of the mass loading to the POTW.
- ② Algonquin is allowed to test for O&G in lieu of testing for TTO's
- ③ Both max & ave limits are shown for die cleaning; die cleaning is the only operation with continuous flow.

¹ Listed as daily maximum and monthly average respectively

² Contents of tank not released to POTW

³ Volume composite sample taken for all tanks

④ NOTE: Enter all data and AI

(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 or recycled 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(1)]

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 OPERATIONS
OFFICIAL TITLE


SIGNATURE

3/28/2013
DATE SIGNED

(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 _____.

SEMI-ANNUAL REPORT

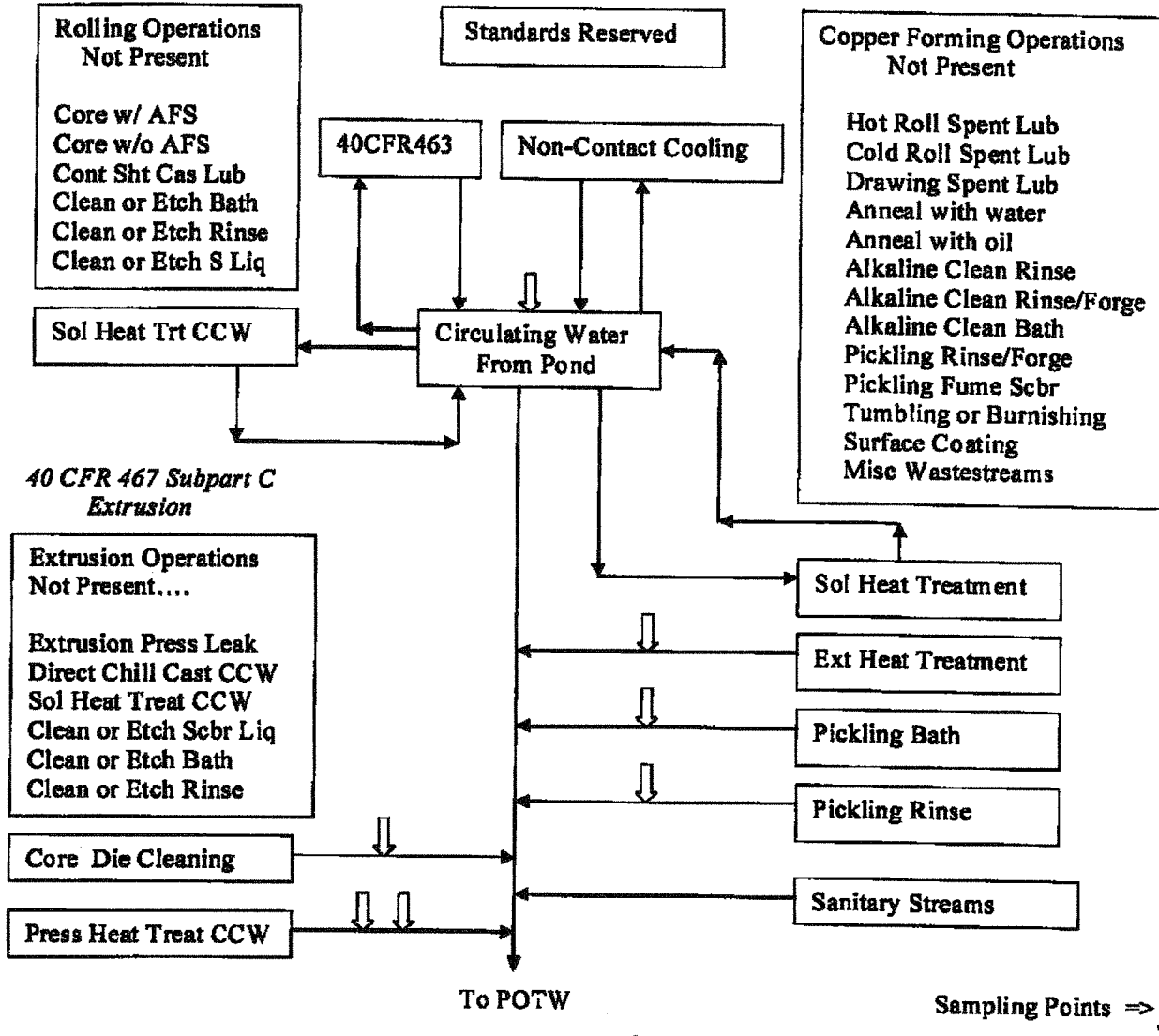
FACILITY NAME: Algonquin Industries

Algonquin Industries Osceola, Arkansas March 2011

**40 CFR 467 Subpart A Operations
Rolling with Neat Oils**

**40CFR463 Subpart A
Contact Cooling**

**40 CFR 468 Subpart A Operations
Copper Forming**



**§403.6(e) Nonregulated Streams
Not Present**

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

If a stream is not present, show NOT PRESENT or N/P. If a stream is present, the wastewater can enter the POTW but currently has no flow, show 0.0 gpd. If a stream is present and 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

3/31/2011
Date

I certify under penalty of law that I have personally examined and am familiar with the information in this document and that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Plant Manager or the authorized §403.12(i) official

3/31/2011
Date
AGQ Diagram (March 21, 2011)

7/14
3/31/2011

ATTACHMENT 1

Flow Schematics