



AG A140KG

Rea Magnet Wire Company, Inc.
Osceola Plant
1800 US Hwy 61 South
Osceola, AR 72370
Phone (870) 622-4404

April 16, 2015

Arkansas Department of Environmental Quality
Mr. Allen Gilliam
5301 Northshore Drive
North Little Rock, AR 72118-5328
501-682-0625

RECEIVED
APR 22 2015
1445Z KB

Re: Submittal of Semi-Annual Report, Osceola Plant

Dear Mr. Gilliam:

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) 622-4425.

Sincerely,

A handwritten signature in black ink, appearing to read 'Joseph Crews', written in a cursive style.

Joseph Crews
Human Resources & Safety Manager
Rea Magnet Wire Company, Inc.

Enclosures

cc: James Carlock, Superintendent
Osceola Water Dept
PO Box 443
Osceola, AR 72370



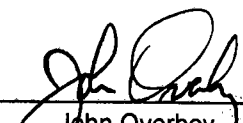
April 6, 2015
Control No. 188923
Page 1 of 7

Algonquin Industries
ATTN: Mr. Michael Kelly
1800 Hwy 61 South
Osceola, AR 72370

This report contains the analytical results and supporting information for samples submitted on March 27, 2015. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Laboratory Director or a qualified designee.



John Overbey
Laboratory Director

This document has been distributed to the following:

PDF cc: Algonquin Industries
ATTN: Mr. Michael Kelly
mkelly@reawire.com



Algonquin Industries
1800 Hwy 61 South
Osceola, AR 72370

SAMPLE INFORMATION

Project Description:

Five (5) water sample(s) received on March 27, 2015
POTW DMR

Receipt Details:

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

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

Sample Identification:

| <u>Laboratory ID</u> | <u>Client Sample ID</u> | <u>Sampled Date/Time</u> | <u>Notes</u> |
|----------------------|-------------------------|--------------------------|--------------|
| 188923-1 | C350 | 26-Mar-2015 1200 | |
| 188923-2 | C300 | 26-Mar-2015 1200 | |
| 188923-3 | C285A | 26-Mar-2015 1200 | 1 |
| 188923-4 | C285B | 26-Mar-2015 1200 | |
| 188923-5 | Pond | 26-Mar-2015 1200 | 1 |

Notes:

1. Sample was received unpreserved

Case Narrative:

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

References:

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

Algonquin Industries
1800 Hwy 61 South
Osceola, AR 72370

ANALYTICAL RESULTS

AIC No. 188923-1

Sample Identification: C350 26-Mar-2015 1200

| <u>Analyte</u> | <u>Result</u> | <u>RL</u> | <u>Units</u> | <u>Qualifier</u> |
|---|-----------------------------------|-----------|---------------|------------------|
| Total Cyanide SM 4500-CN C,E 1999 | < 0.01 | 0.01 | mg/l | |
| Prep: 31-Mar-2015 0855 by 308 | Analyzed: 31-Mar-2015 1255 by 308 | | Batch: W51404 | |
| Chromium EPA 200.7 | < 0.007 | 0.007 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1434 by 302 | | Batch: S38590 | |
| Copper EPA 200.7 | 0.012 | 0.006 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1434 by 302 | | Batch: S38590 | |
| Lead EPA 200.7 | < 0.04 | 0.04 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1434 by 302 | | Batch: S38590 | |
| Nickel EPA 200.7 | < 0.01 | 0.01 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1434 by 302 | | Batch: S38590 | |
| Zinc EPA 200.7 | 0.019 | 0.002 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1434 by 302 | | Batch: S38590 | |
| Oil and Grease EPA 1664A | < 5 | 5 | mg/l | |
| Prep: 30-Mar-2015 1055 by 285 | Analyzed: 30-Mar-2015 1340 by 285 | | Batch: B9444 | |

AIC No. 188923-2

Sample Identification: C300 26-Mar-2015 1200

| <u>Analyte</u> | <u>Result</u> | <u>RL</u> | <u>Units</u> | <u>Qualifier</u> |
|---|-----------------------------------|-----------|---------------|------------------|
| Total Cyanide SM 4500-CN C,E 1999 | < 0.01 | 0.01 | mg/l | |
| Prep: 31-Mar-2015 0855 by 308 | Analyzed: 31-Mar-2015 1256 by 308 | | Batch: W51404 | |
| Chromium EPA 200.7 | < 0.007 | 0.007 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1438 by 302 | | Batch: S38590 | |
| Copper EPA 200.7 | 0.017 | 0.006 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1438 by 302 | | Batch: S38590 | |
| Lead EPA 200.7 | < 0.04 | 0.04 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1438 by 302 | | Batch: S38590 | |
| Nickel EPA 200.7 | < 0.01 | 0.01 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1438 by 302 | | Batch: S38590 | |
| Zinc EPA 200.7 | 0.042 | 0.002 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1438 by 302 | | Batch: S38590 | |
| Oil and Grease EPA 1664A | < 5 | 5 | mg/l | |
| Prep: 30-Mar-2015 1055 by 285 | Analyzed: 30-Mar-2015 1340 by 285 | | Batch: B9444 | |

AIC No. 188923-3

Sample Identification: C285A 26-Mar-2015 1200

| <u>Analyte</u> | <u>Result</u> | <u>RL</u> | <u>Units</u> | <u>Qualifier</u> |
|---|-----------------------------------|-----------|---------------|------------------|
| Total Cyanide SM 4500-CN C,E 1999 | < 0.01 | 0.01 | mg/l | |
| Prep: 31-Mar-2015 0855 by 308 | Analyzed: 31-Mar-2015 1401 by 308 | | Batch: W51404 | |
| Chromium EPA 200.7 | < 0.007 | 0.007 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1442 by 302 | | Batch: S38590 | |

Algonquin Industries
1800 Hwy 61 South
Osceola, AR 72370

ANALYTICAL RESULTS

AIC No. 188923-3 (Continued)
Sample Identification: C285A 26-Mar-2015 1200

| Analyte | Result | RL | Units | Qualifier |
|------------------------------------|-----------------------------------|-------|---------------|-----------|
| Copper EPA 200.7 | 1.6 | 0.006 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1442 by 302 | | Batch: S38590 | |
| Lead EPA 200.7 | < 0.04 | 0.04 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1442 by 302 | | Batch: S38590 | |
| Nickel EPA 200.7 | < 0.01 | 0.01 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1442 by 302 | | Batch: S38590 | |
| Zinc EPA 200.7 | 0.020 | 0.002 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1442 by 302 | | Batch: S38590 | |
| Oil and Grease EPA 1664A | < 5 | 5 | mg/l | |
| Prep: 30-Mar-2015 1055 by 285 | Analyzed: 30-Mar-2015 1340 by 285 | | Batch: B9444 | |

AIC No. 188923-4
Sample Identification: C285B 26-Mar-2015 1200

| Analyte | Result | RL | Units | Qualifier |
|---|-----------------------------------|-------|---------------|-----------|
| Total Cyanide SM 4500-CN C,E 1999 | < 0.01 | 0.01 | mg/l | |
| Prep: 31-Mar-2015 0855 by 308 | Analyzed: 31-Mar-2015 1403 by 308 | | Batch: W51404 | |
| Chromium EPA 200.7 | < 0.007 | 0.007 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1445 by 302 | | Batch: S38590 | |
| Copper EPA 200.7 | 1.2 | 0.006 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1445 by 302 | | Batch: S38590 | |
| Lead EPA 200.7 | < 0.04 | 0.04 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1445 by 302 | | Batch: S38590 | |
| Nickel EPA 200.7 | < 0.01 | 0.01 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1445 by 302 | | Batch: S38590 | |
| Zinc EPA 200.7 | 0.18 | 0.002 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1445 by 302 | | Batch: S38590 | |
| Oil and Grease EPA 1664A | < 5 | 5 | mg/l | |
| Prep: 30-Mar-2015 1055 by 285 | Analyzed: 30-Mar-2015 1340 by 285 | | Batch: B9444 | |

AIC No. 188923-5
Sample Identification: Pond 26-Mar-2015 1200

| Analyte | Result | RL | Units | Qualifier |
|---|-----------------------------------|-------|---------------|-----------|
| Total Cyanide SM 4500-CN C,E 1999 | < 0.01 | 0.01 | mg/l | |
| Prep: 31-Mar-2015 0855 by 308 | Analyzed: 31-Mar-2015 1405 by 308 | | Batch: W51404 | |
| Chromium EPA 200.7 | < 0.007 | 0.007 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1449 by 302 | | Batch: S38590 | |
| Copper EPA 200.7 | 0.061 | 0.006 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1449 by 302 | | Batch: S38590 | |
| Lead EPA 200.7 | < 0.04 | 0.04 | mg/l | |
| Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1449 by 302 | | Batch: S38590 | |

Algonquin Industries
1800 Hwy 61 South
Osceola, AR 72370

ANALYTICAL RESULTS

AIC No. 188923-5 (Continued)

Sample Identification: Pond 26-Mar-2015 1200

| <u>Analyte</u> | | <u>Result</u> | <u>RL</u> | <u>Units</u> | <u>Qualifier</u> |
|-----------------------|-------------------------------|-----------------------------------|--------------|---------------|------------------|
| Nickel | | < 0.01 | 0.01 | mg/l | |
| EPA 200.7 | Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1449 by 302 | | Batch: S38590 | |
| Zinc | | 0.020 | 0.002 | mg/l | |
| EPA 200.7 | Prep: 30-Mar-2015 1557 by 313 | Analyzed: 03-Apr-2015 1449 by 302 | | Batch: S38590 | |
| Oil and Grease | | < 5 | 5 | mg/l | |
| EPA 1664A | Prep: 30-Mar-2015 1055 by 285 | Analyzed: 30-Mar-2015 1340 by 285 | | Batch: B9444 | |

Algonquin Industries
 1800 Hwy 61 South
 Osceola, AR 72370

DUPLICATE RESULTS

| Analyte | AIC No. | Result | RPD | | Preparation Date | Analysis Date | Dil | Qual |
|----------------|------------------------|----------|------|-------|---------------------|---------------------|-----|------|
| | | | RPD | Limit | | | | |
| Oil and Grease | 188911-2 | < 5 mg/l | | | 30Mar15 1055 by 285 | 30Mar15 1340 by 285 | | |
| | Batch: B9444 Duplicate | < 5 mg/l | 0.00 | 20.0 | 30Mar15 1055 by 285 | 30Mar15 1340 by 285 | | |

LABORATORY CONTROL SAMPLE RESULTS

| Analyte | Spike Amount | % | Limits | RPD | Limit | Batch | Preparation Date | Analysis Date | Dil | Qual |
|----------------|--------------|------|----------|-------|-------|--------|---------------------|---------------------|-----|------|
| | | | | | | | | | | |
| Total Cyanide | 0.1 mg/l | 99.0 | 85.0-115 | | | W51404 | 31Mar15 0855 by 308 | 31Mar15 1339 by 308 | | |
| Chromium | 0.5 mg/l | 101 | 85.0-115 | | | S38590 | 30Mar15 1557 by 313 | 03Apr15 1423 by 302 | | |
| Copper | 0.5 mg/l | 100 | 85.0-115 | | | S38590 | 30Mar15 1557 by 313 | 03Apr15 1423 by 302 | | |
| Lead | 5 mg/l | 99.2 | 85.0-115 | | | S38590 | 30Mar15 1557 by 313 | 03Apr15 1423 by 302 | | |
| Nickel | 0.5 mg/l | 98.8 | 85.0-115 | | | S38590 | 30Mar15 1557 by 313 | 03Apr15 1423 by 302 | | |
| Zinc | 0.5 mg/l | 97.2 | 85.0-115 | | | S38590 | 30Mar15 1557 by 313 | 03Apr15 1423 by 302 | | |
| Oil and Grease | 40 mg/l | 93.0 | 78.0-114 | | | B9444 | 30Mar15 1055 by 285 | 30Mar15 1340 by 285 | | |
| | 40 mg/l | 93.5 | 78.0-114 | 0.536 | 20.0 | B9444 | 30Mar15 1055 by 285 | 30Mar15 1340 by 285 | | |

MATRIX SPIKE SAMPLE RESULTS

| Analyte | Sample | Spike | | Limits | Batch | Preparation Date | Analysis Date | Dil | Qual |
|---------------|------------------------------|----------|-------|----------|--------|---------------------|---------------------|-----|------|
| | | Amount | % | | | | | | |
| Total Cyanide | 188923-1 | 0.1 mg/l | 85.7 | 75.0-125 | W51404 | 31Mar15 1400 by 308 | 31Mar15 1704 by 308 | | |
| | 188923-1 | 0.1 mg/l | 84.6 | 75.0-125 | W51404 | 31Mar15 1400 by 308 | 31Mar15 1706 by 308 | | |
| | Relative Percent Difference: | | 1.29 | 20.0 | W51404 | | | | |
| Chromium | 188923-1 | 0.5 mg/l | 101 | 75.0-125 | S38590 | 30Mar15 1557 by 313 | 03Apr15 1427 by 302 | | |
| | 188923-1 | 0.5 mg/l | 99.4 | 75.0-125 | S38590 | 30Mar15 1557 by 313 | 03Apr15 1431 by 302 | | |
| | Relative Percent Difference: | | 1.20 | 20.0 | S38590 | | | | |
| Copper | 188923-1 | 0.5 mg/l | 105 | 75.0-125 | S38590 | 30Mar15 1557 by 313 | 03Apr15 1427 by 302 | | |
| | 188923-1 | 0.5 mg/l | 104 | 75.0-125 | S38590 | 30Mar15 1557 by 313 | 03Apr15 1431 by 302 | | |
| | Relative Percent Difference: | | 1.31 | 20.0 | S38590 | | | | |
| Lead | 188923-1 | 5 mg/l | 98.8 | 75.0-125 | S38590 | 30Mar15 1557 by 313 | 03Apr15 1427 by 302 | | |
| | 188923-1 | 5 mg/l | 97.2 | 75.0-125 | S38590 | 30Mar15 1557 by 313 | 03Apr15 1431 by 302 | | |
| | Relative Percent Difference: | | 1.63 | 20.0 | S38590 | | | | |
| Nickel | 188923-1 | 0.5 mg/l | 98.0 | 75.0-125 | S38590 | 30Mar15 1557 by 313 | 03Apr15 1427 by 302 | | |
| | 188923-1 | 0.5 mg/l | 96.6 | 75.0-125 | S38590 | 30Mar15 1557 by 313 | 03Apr15 1431 by 302 | | |
| | Relative Percent Difference: | | 1.44 | 20.0 | S38590 | | | | |
| Zinc | 188923-1 | 0.5 mg/l | 98.4 | 75.0-125 | S38590 | 30Mar15 1557 by 313 | 03Apr15 1427 by 302 | | |
| | 188923-1 | 0.5 mg/l | 97.4 | 75.0-125 | S38590 | 30Mar15 1557 by 313 | 03Apr15 1431 by 302 | | |
| | Relative Percent Difference: | | 0.985 | 20.0 | S38590 | | | | |



Algonquin Industries
1800 Hwy 61 South
Osceola, AR 72370

LABORATORY BLANK RESULTS

| <u>Analyte</u> | <u>Result</u> | <u>RL</u> | <u>PQL</u> | <u>QC Sample</u> | <u>Preparation Date</u> | <u>Analysis Date</u> | <u>Qual</u> |
|----------------|---------------|-----------|------------|------------------|-------------------------|----------------------|-------------|
| Total Cyanide | < 0.01 mg/l | 0.01 | 0.01 | W51404-1 | 31Mar15 0855 by 308 | 31Mar15 1338 by 308 | |
| Chromium | < 0.007 mg/l | 0.007 | 0.007 | S38590-1 | 30Mar15 1557 by 313 | 03Apr15 1420 by 302 | |
| Copper | < 0.006 mg/l | 0.006 | 0.006 | S38590-1 | 30Mar15 1557 by 313 | 03Apr15 1420 by 302 | |
| Lead | < 0.04 mg/l | 0.04 | 0.04 | S38590-1 | 30Mar15 1557 by 313 | 03Apr15 1420 by 302 | |
| Nickel | < 0.01 mg/l | 0.01 | 0.01 | S38590-1 | 30Mar15 1557 by 313 | 03Apr15 1420 by 302 | |
| Zinc | < 0.002 mg/l | 0.002 | 0.002 | S38590-1 | 30Mar15 1557 by 313 | 03Apr15 1420 by 302 | |
| Oil and Grease | < 5 mg/l | 5 | 5 | B9444-1 | 30Mar15 1055 by 285 | 30Mar15 1340 by 285 | |



CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

PAGE 1 OF 1

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------------|---|------------------|------------------|---|--|---------------------------------|---------------------------|--------------|--|---|---------------------------|---|--|--|--|--|--|----------------------------------|--|------------------|--|------------------------|---------|--|
| Client: <u>Rea Magnet Wire (Algonquin)</u> | | | PO No.: | | NO OF B O T T L E S | ANALYSES REQUESTED | | | | | | | | | | | | | AIC CONTROL NO: <u>188923</u> | | | | | | |
| Project Reference: <u>POTW DMR</u> | | | MATRIX | | | Cyanide | Oil & Grease | Cr, Zn, Cu, Pb, Ni | | | | | | | | | | | | | AIC PROPOSAL NO: | | | | |
| Project Manager: <u>Michael Kelly</u> | | | G R A B | C O M P | W A T E R | S O I L | B O T T L E S | Cyanide | Oil & Grease | Cr, Zn, Cu, Pb, Ni | | | | | | | | | | | | | Carrier: <u>Fed-Ex</u> | | |
| Sampled By: <u>Michael Kelly</u> | | | | | | | | | | | X | X | X | | | | | | | | | | | | |
| AIC No. | Sample Identification | Date/Time Collected | | | | | | | | | | | | | | | | | | | | | | Remarks | |
| 1 | C350 | 3/26/15 12 pm | X | X | X | | X | X | X | | | | | | | | | | | | | | | | |
| 2 | C300 | 3/26/15 12 pm | X | X | X | | X | X | X | | | | | | | | | | | | | | | | |
| 3 | C285A | 3/26/15 12 pm | | X | X | | X | X | X | | | | | | | | | | | | | | | | |
| 4 | C285B | 3/26/15 12 pm | X | X | X | | X | X | X | | | | | | | | | | | | | | | | |
| 5 | Pond | 3/26/15 12 pm | X | X | X | | X | X | X | | | | | | | | | | | | | | | | |
| Container Type | | | | | | | | | | | | Field pH calibration | | | | | | | | | | | | | |
| Preservative | | P G P | | | | | | | | | | on _____ @ _____ | | | | | | | | | | | | | |
| | | G = Glass P = Plastic V = VOA vials H = HCl to pH2 T = Sodium Thiosulfate | | | | | | | | | | Buffer: | | | | | | | | | | | | | |
| | | NO = none S = Sulfuric acid pH2 N = Nitric acid pH2 B = NaOH to pH12 Z = Zinc acetate A=(NH ₄) ₂ SO ₄ , NH ₄ OH | | | | | | | | | | | | | | | | | | | | | | | |
| Turnaround Time Requested: (Please circle) NORMAL or EXPEDITED IN _____ DAYS | | | | | | Relinquished By: <u>Michael Kelly</u> | | Date/Time: <u>3/26/15</u> | | Received By: | | Date/Time: | | | | | | | | | | | | | |
| Expedited results requested by: _____ | | | | | | Relinquished By: | | Date/Time: | | Received in Lab By: <u>[Signature]</u> | | Date/Time: <u>3-27-15</u> | | | | | | | | | | | | | |
| Who should AIC contact with questions: _____ | | | | | | Comments: <u>7732 2280 0452</u> | | | | | | | | | | | | | | | | | | | |
| Phone: _____ Fax: _____ | | | | | | | | | | | | | | | | | | | | | | | | | |
| Report Attention to: Report Address to: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Email Address: 9/2014 | | | | | | | | | | | | | | | | | | | | | | | | | |



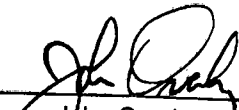
April 14, 2015
Control No. 189353
Page 1 of 4

Algonquin Industries
ATTN: Mr. Matt Slonaker
1800 Highway 61 South
Osceola, AR 72370

This report contains the analytical results and supporting information for the sample submitted on April 9, 2015. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Laboratory Director or a qualified designee.



John Overbey
Laboratory Director

This document has been distributed to the following:

Algonquin Industries
1800 Highway 61 South
Osceola, AR 72370

SAMPLE INFORMATION

Project Description:

One (1) water sample(s) received on April 9, 2015.
POTW (Die Cleaning)

Receipt Details:

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

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

Sample Identification:

| <u>Laboratory ID</u> | <u>Client Sample ID</u> | <u>Sampled Date/Time</u> | <u>Notes</u> |
|----------------------|-------------------------|--------------------------|--------------|
| 189353-1 | Die Cleaning | 08-Apr-2015 1225 | 1 |

Notes:

1. Sample was received unpreserved

Case Narrative:

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

References:

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

Algonquin Industries
1800 Highway 61 South
Osceola, AR 72370

ANALYTICAL RESULTS

AIC No. 189353-1

Sample Identification: Die Cleaning 08-Apr-2015 1225

Analyte

| <u>Analyte</u> | <u>Result</u> | <u>RL</u> | <u>Units</u> | <u>Qualifier</u> |
|---|-----------------------------------|--------------|---------------|------------------|
| Total Cyanide SM 4500-CN C,E 1999 | < 0.01 | 0.01 | mg/l | |
| Prep: 13-Apr-2015 1021 by 308 | Analyzed: 13-Apr-2015 1444 by 308 | | Batch: W51546 | |
| Chromium EPA 200.7 | 0.012 | 0.007 | mg/l | |
| Prep: 10-Apr-2015 0908 by 313 | Analyzed: 13-Apr-2015 1522 by 302 | | Batch: S38686 | |
| Zinc EPA 200.7 | 0.24 | 0.002 | mg/l | |
| Prep: 10-Apr-2015 0908 by 313 | Analyzed: 13-Apr-2015 1522 by 302 | | Batch: S38686 | |
| Oil and Grease EPA 1664A | 21 | 5 | mg/l | |
| Prep: 10-Apr-2015 1128 by 285 | Analyzed: 10-Apr-2015 1341 by 285 | | Batch: B9462 | |

Algonquin Industries
1800 Highway 61 South
Osceola, AR 72370

LABORATORY CONTROL SAMPLE RESULTS

| Analyte | Spike Amount | % | Limits | RPD | Limit | Batch | Preparation Date | Analysis Date | Dil | Qual |
|----------------|--------------|------|----------|-------|-------|--------|---------------------|---------------------|-----|------|
| Total Cyanide | 0.1 mg/l | 95.5 | 85.0-115 | | | W51546 | 13Apr15 0835 by 308 | 13Apr15 1431 by 308 | | |
| Chromium | 0.5 mg/l | 99.6 | 85.0-115 | | | S38686 | 10Apr15 0908 by 235 | 13Apr15 1449 by 302 | | |
| Zinc | 0.5 mg/l | 97.7 | 85.0-115 | | | S38686 | 10Apr15 0908 by 313 | 13Apr15 1449 by 302 | | |
| Oil and Grease | 40 mg/l | 95.0 | 78.0-114 | | | B9462 | 10Apr15 1128 by 285 | 10Apr15 1341 by 285 | | |
| | 40 mg/l | 95.5 | 78.0-114 | 0.525 | 20.0 | B9462 | 10Apr15 1128 by 285 | 10Apr15 1341 by 285 | | |

MATRIX SPIKE SAMPLE RESULTS

| Analyte | Sample | Spike Amount | % | Limits | Batch | Preparation Date | Analysis Date | Dil | Qual | |
|---------------|------------------------------|--------------|-------|----------|--------|---------------------|---------------------|-----|------|--|
| Total Cyanide | 189335-2 | 0.1 mg/l | 109 | 75.0-125 | W51546 | 13Apr15 0835 by 308 | 13Apr15 1435 by 308 | | | |
| | 189335-2 | 0.1 mg/l | 101 | 75.0-125 | W51546 | 13Apr15 0835 by 308 | 13Apr15 1436 by 308 | | | |
| | Relative Percent Difference: | | 8.11 | 20.0 | W51546 | | | | | |
| Chromium | 189376-1 | 0.5 mg/l | 97.5 | 75.0-125 | S38686 | 10Apr15 0908 by 235 | 13Apr15 1453 by 302 | | | |
| | 189376-1 | 0.5 mg/l | 98.0 | 75.0-125 | S38686 | 10Apr15 0908 by 235 | 13Apr15 1458 by 302 | | | |
| | Relative Percent Difference: | | 0.459 | 20.0 | S38686 | | | | | |
| | 189376-1 | 0.5 mg/l | 98.0 | 75.0-125 | S38686 | 10Apr15 0908 by 313 | 13Apr15 1453 by 302 | | | |
| Zinc | 189376-1 | 0.5 mg/l | 99.3 | 75.0-125 | S38686 | 10Apr15 0908 by 313 | 13Apr15 1458 by 302 | | | |
| | Relative Percent Difference: | | 1.12 | 20.0 | S38686 | | | | | |
| | 189376-1 | 0.5 mg/l | 99.3 | 75.0-125 | S38686 | 10Apr15 0908 by 313 | 13Apr15 1458 by 302 | | | |

LABORATORY BLANK RESULTS

| Analyte | Result | RL | PQL | QC Sample | Preparation Date | Analysis Date | Qual |
|----------------|--------------|-------|-------|-----------|---------------------|---------------------|------|
| Total Cyanide | < 0.01 mg/l | 0.01 | 0.01 | W51546-1 | 13Apr15 0835 by 308 | 13Apr15 1429 by 308 | |
| Chromium | < 0.007 mg/l | 0.007 | 0.007 | S38686-1 | 10Apr15 0908 by 235 | 13Apr15 1445 by 302 | |
| Zinc | < 0.002 mg/l | 0.002 | 0.002 | S38686-1 | 10Apr15 0908 by 313 | 13Apr15 1445 by 302 | |
| Oil and Grease | < 2 mg/l | 2 | 5 | B9462-1 | 10Apr15 1128 by 285 | 10Apr15 1341 by 285 | |
| | | | | | | | |



CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

| | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------------|---------------------|--------------------------------------|------------------|--------------------------------------|--------------------|------------------------------------|-----------------|--|--|--------------------------|--|--|--|---------|--|--|---------|----------------------------------|--|------------------|--|
| Client: <u>Rea Magnet Wire (Algonquin)</u> | | | PO No. | | NO OF BOTTLES | ANALYSES REQUESTED | | | | | | | | | | | | | AIC CONTROL NO: <u>189353</u> | | | |
| Project Reference: <u>PDTW (Die Cleaning)</u> | | | MATRIX | | | Cyanide | D&G | Lead | Cd, Zn, Cu | | | | | | | | | | | | AIC PROPOSAL NO: | |
| Project Manager: <u>Joe Crews</u> | | | WATER | | | | | | | | | | | | | | | | | | Carrier: | |
| Sampled By: <u>Joe Crews</u> | | | SOIL | | | | | | | | | | | | | Received Temperature C <u>3.7°C</u> | | | | | | |
| AIC No. | Sample Identification | Date/Time Collected | G A B | C O M P | W A T E R | S O I L | | | | | | | | | | | | Remarks | | | | |
| 1. | Die Cleaning | 4/8/15 12:25 PM | X | | X | | | | | | | | | | | | | | | | | |
| Container Type | | | | | | | | | | | | | | | | Field pH calibration | | | | | | |
| Preservative | | | | | | | | | | | | | | | | on _____ @ _____ | | | | | | |
| G = Glass NO = none | | | P = Plastic S = Sulfuric acid pH2 | | V = VOA vials N = Nitric acid pH2 | | H = HCl to pH2 B = NaOH to pH12 | | T = Sodium Thiosulfate Z = Zinc acetate | | | A = (NH ₄) ₂ SO ₄ , NH ₄ OH | | | Buffer: | | | | | | | |
| Turnaround Time Requested: (Please circle) <u>NORMAL</u> or EXPEDITED IN _____ DAYS | | | | | Relinquished By: <u>Joe Crews</u> | | Date/Time: <u>4/8/2015</u> | | Received By: | | Date/Time | | | | | | | | | | | |
| Expedited results requested by: | | | | | Relinquished By: | | Date/Time | | Received in Lab By: <u>[Signature]</u> | | Date/Time: <u>4/9/15</u> | | | | | | | | | | | |
| Who should AIC contact with questions: Phone: _____ Fax: _____ | | | | | Comments: | | | | | | | | | | | | | | | | | |
| Report Attention to: Report Address to: Email Address: <u>9/2014</u> | | | | | | | | | | | | | | | | | | | | | | |

FedEx 7733 2147 0248

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 Company, Algonquin Industries, Osceola Plant 1800 Highway 61 South Osceola, AR 72370 | B. FACILITY & LOCATION ADDRESS Rea Magnet Wire Company, Algonquin Industries, Osceola Plant 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2014 (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, 2014 - March 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 DAYS¹</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;">826,341</td> <td style="text-align: center;">7/1/2011 – 3/26/15 1364 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;">1,920,183</td> <td style="text-align: center;">09/30/2014 – 03/26/2015 177 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;">972,795</td> <td style="text-align: center;">10/02/2014 – 03/26/2015 175</td> </tr> <tr> <td>(§467.35 Press Heat Treatment) C350</td> <td style="text-align: center;">925,049</td> <td style="text-align: center;">10/02/2014 – 03/26/2015 175</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;">9,384,112</td> <td style="text-align: center;">7/1/2011 – 3/26/2015 1364 days</td> </tr> <tr> <td>Extruded Copper</td> <td></td> <td></td> </tr> <tr> <td>(§468.14(m) Pickling Bath) C285A</td> <td style="text-align: center;">1,595,115</td> <td style="text-align: center;">10/02/2014 – 03/26/2015 175</td> </tr> <tr> <td>(§468.14(e) Extrusion Heat Treatment) C285A</td> <td style="text-align: center;">1,595,115</td> <td style="text-align: center;">10/02/2014 – 03/26/2015 175</td> </tr> <tr> <td>(§468.14(e) Extrusion Heat Treatment) C285B</td> <td style="text-align: center;">1,595,115</td> <td style="text-align: center;">10/02/2014 – 03/26/2015 175</td> </tr> </tbody> </table> | PROCESS | PRODUCTION-OFF/LB | PRODUCTION DAYS ¹ | Rolled Aluminum | | | (§467.15 Solution Heat Treatment) | 826,341 | 7/1/2011 – 3/26/15 1364 days | Extruded Aluminum | | | (§467.35 Core Die Cleaning) | 1,920,183 | 09/30/2014 – 03/26/2015 177 days | Extruded Aluminum | | | (§467.35 Press Heat Treatment) C300 | 972,795 | 10/02/2014 – 03/26/2015 175 | (§467.35 Press Heat Treatment) C350 | 925,049 | 10/02/2014 – 03/26/2015 175 | Rolled Copper | | | (§468.14(d) Solution Heat Treatment) | 9,384,112 | 7/1/2011 – 3/26/2015 1364 days | Extruded Copper | | | (§468.14(m) Pickling Bath) C285A | 1,595,115 | 10/02/2014 – 03/26/2015 175 | (§468.14(e) Extrusion Heat Treatment) C285A | 1,595,115 | 10/02/2014 – 03/26/2015 175 | (§468.14(e) Extrusion Heat Treatment) C285B | 1,595,115 | 10/02/2014 – 03/26/2015 175 | Updated tables 4A and 5C to reflect active processes. |
| PROCESS | PRODUCTION-OFF/LB | PRODUCTION DAYS ¹ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rolled Aluminum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (§467.15 Solution Heat Treatment) | 826,341 | 7/1/2011 – 3/26/15 1364 days | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Extruded Aluminum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (§467.35 Core Die Cleaning) | 1,920,183 | 09/30/2014 – 03/26/2015 177 days | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Extruded Aluminum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (§467.35 Press Heat Treatment) C300 | 972,795 | 10/02/2014 – 03/26/2015 175 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (§467.35 Press Heat Treatment) C350 | 925,049 | 10/02/2014 – 03/26/2015 175 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rolled Copper | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (§468.14(d) Solution Heat Treatment) | 9,384,112 | 7/1/2011 – 3/26/2015 1364 days | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Extruded Copper | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (§468.14(m) Pickling Bath) C285A | 1,595,115 | 10/02/2014 – 03/26/2015 175 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (§468.14(e) Extrusion Heat Treatment) C285A | 1,595,115 | 10/02/2014 – 03/26/2015 175 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (§468.14(e) Extrusion Heat Treatment) C285B | 1,595,115 | 10/02/2014 – 03/26/2015 175 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

(4) FLOW MEASUREMENT

A. 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) | NA | NA | 26,667 gallons discharged to the POTW July 1, 2011 (most recent discharge) | Batch discharge from recirculation pond |
| §468.14(d) Solution Heat Treatment ¹ (Copper Forming [Rolling]) | NA | NA | 26,667 gallons discharged to the POTW July 1, 2011 (most recent discharge) | Batch discharge from recirculation pond |
| §467.35 Press Heat Treatment (Aluminum Extrusion) | 1.71 | 175 | One, 300-gallon tank, discharged Oct 02, 2014 | Batch discharge from Aluminum Extrusion (C-350) Product Cooling Tank |
| §467.35 Press Heat Treatment (Aluminum Extrusion) | 1.71 | 175 | One, 350-gallon tank, discharged Oct 02, 2014 | Batch discharge from Aluminum Extrusion (C-300) Cooling Water Tank |
| §467.35 Core-Die Cleaner (Aluminum Extrusion) | 20 | N/A | N/A | Intermittent |
| §468.14(m) Pickling Bath (Copper Extrusion) | 1.14 | 175 | One 200-gallon tanks discharged Oct 02, 2014 | Batch discharge to either POTW or waste oil tank |
| §468.14(e) Extrusion Heat Treatment (Copper Extrusion) | 2.29 | 175 | Two 200-gallon tank discharged Oct 02, 2014 | Batch discharge from Copper Extrusion (C-285A & C-285B) Product Cooling Tank |
| §403.6(e) Unregulated: | | | | |
| Air compressor condensate blowdown | 10 (estimate) | 144 | N/A | Intermittent |
| Steam clean forklift wash area | 5 (estimate) | 144 | 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) | 144 | 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

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-300 Cooling Water Tank (Aluminum Extrusion) Allowable Concentrations | 143.9 | NA | NA | NA | 486 | NA | 20,607 | 97.2 |
| C-300 Cooling Water Tank Measured Concentrations | <0.007 | NA | NA | NA | 0.042 | NA | <5 | <0.01 |
| Die Cleaning Allowable Concentrations ¹ | 10 4.0 | NA | NA | NA | 32 13 | NA | 1171 572 | 6 2.6 |
| Die Cleaning Measured Concentrations | <0.012 | NA | NA | NA | 0.24 | NA | 21 | <0.01 |
| Pond Allowable Concentration | 2.090 | 9.086 | 1.167 | 11.533 | 7.090 | NA | 175 | 0.310 |
| Pond Measured Concentration | <0.007 | 0.061 | <0.04 | <0.01 | 0.02 | NA | <5 | <0.01 |
| C-350 Cooling Water Tank (Aluminum Extrusion) Allowable Concentrations | 41.0 | NA | NA | NA | 138.6 | NA | 5878 | 28 |
| C-350 Cooling Water Tank Measured Concentrations | <0.007 | NA | NA | NA | 0.019 | NA | <5 | <0.01 |
| C-285A Copper Extrusion Tank (Pickling Bath) Allowable Concentrations | 18 | 104.65 | 13.53 | 132.62 | 63.15 | NA | 1255.83 | NA |
| C-285A Copper Extrusion Tank Measured Concentration | 0.007 | 1.6 | <0.04 | <0.01 | 0.020 | NA | <5 | <0.01 |
| C-285A Cooling Water Tank (Copper Extrusion) Allowable Concentrations | 0.325 | 1.804 | 0.235 | 1.804 | .902 | NA | 21.65 | NA |
| C-285A Cooling Water Tank Measured Concentrations ² | <0.007 | 1.6 | <0.04 | <0.01 | 0.020 | NA | <5 | <0.01 |
| C-285B Cooling Water Tank (Copper Extrusion) Allowable Concentrations | 0.325 | 1.804 | 0.235 | 1.804 | .902 | NA | 21.65 | NA |
| C-285B Cooling Water Tank Measured Concentrations | <.007 | 1.2 | <0.04 | <0.01 | .18 | NA | <5 | <0.01 |

40CFR136 Preservation and Analytical Methods Use: Yes No

Note: Production commenced on the C-285B process in September 2014. Reporting for the process will commence on the March 2015 report. No discharges will result in the period September 2015 through March 2015.

¹ Listed as daily maximum and monthly average respectively
² Volume composite sample taken for all tanks

(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(I)]

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.

Joseph Crews
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

HR & Safety MANGER
OFFICIAL TITLE

Joseph D. Crews
SIGNATURE
4/16/15
DATE SIGNED

ATTACHMENT 1

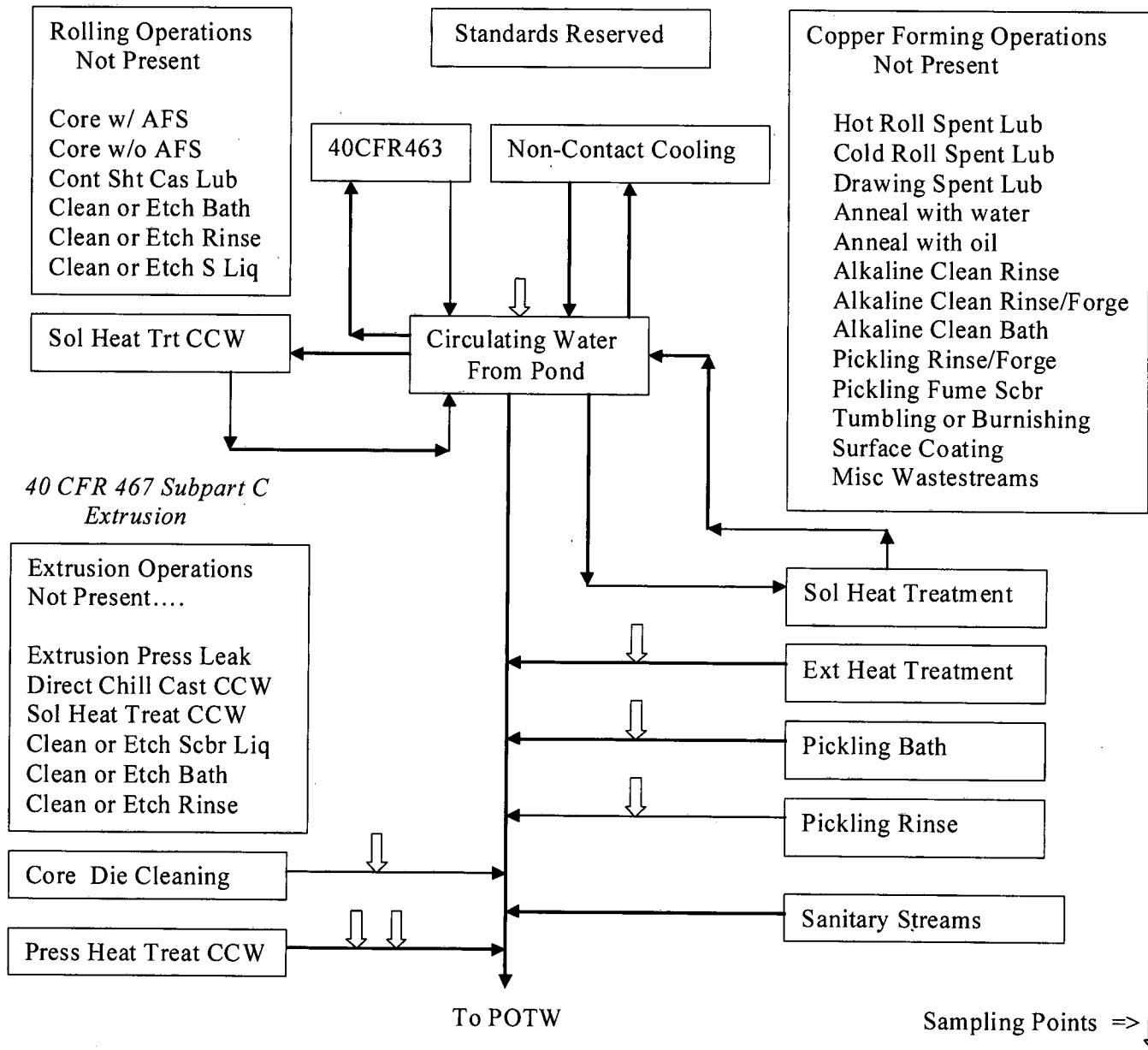
Flow Schematics

Algonquin Industries Osceola, Arkansas March 2011

40 CFR 467 Subpart A Operations
Rolling with Neat Oils

40CFR463 Subpart A
Contact Cooling

40 CFR 468 Subpart A Operations
Copper Forming



§403.6(e) Nonregulated Streams
Not Present

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

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

Signature of §403.12(b) Professional

Date

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

Plant Manager or the authorized §403.12(1) official

Date

AGQ Diagram (March 21, 2011)

ATTACHMENT 2

Sampling and Analysis Results

CERTIFIED MAIL™



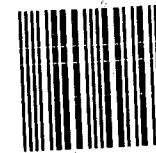
7014 1200 0000 2758 8298

FROM:

BEA Magnet Wire Co.
1800 Hwy 61 South
Osceola, AR 72370
Attention: Joe Crews

TO:

Arkansas Dept. of Env. Quality
5301 Northshore Drive
North Little Rock, AR 72118-5388
Attention: Allen Gilliam



1000

72118

U.S. POSTAGE
PAID
OSCEOLA, AR
72370
APR 16, 15
AMOUNT

\$8.03
00079647-02

Utility Mailer
10 1/2" x 16"

Ready **P**ost