Algonquin Industries Division
1800 Highway 61 South
Osceola, AR 72370

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

Rea

Algonquin Industries Division

Osceola Plant

March 31, 2009

Arkansas Department of Environmental Quality
Mr. Allen Gilliam
5301 Northshore Drive
North Little Rock, AR 72218

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 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.

Sincerely,

Matt Slonaker, Plant Engineer
Algonquin Industries Division, Osceola Plant

Enclosures

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

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	B. FACILITY & LOCATION ADDRESS
Algonquin Industries, Osceola Plant 1800 Highway 61 South Osceola, AR 72370	Algonquin Industries, Osceola Plant 1800 Highway 61 South Osceola, AR 72370

C. FACILITY CONTACT: Matt Slonaker TELEPHONE NUMBER: 870-563-5207 ext. 201, FAX: 870-563-1207

(2) REPORTING PERIOD--FISCAL YEAR

2008 (Both Semi-Annual Reports to Cover Fiscal Year)

A. MONTHS WHICH REPORTS ARE DUE	B. PERIOD COVERED BY THIS REPORT
March & September	FROM: September 30, 2008 – March 31, 2009

(3) DESCRIPTION OF OPERATION

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

PROCESS	PRODUCTION-OFF/LB	PRODUCTION DAYS[1]
Rolled Aluminum		
(§467.15 Solution Heat Treatment)	784,106	09/06/2008 – 3/27/2009 202 days
Extruded Aluminum		
(§467.35 Core Die Cleaning)	1,874,098	09/30/2008 – 3/31/2009 178 days
Extruded Aluminum		
(§467.35 Press Heat Treatment) C300	2,252,020	10/01/2007 – 3/27/2009 543 days
(§467.35 Press Heat Treatment) C500	3,550,063	10/01/2007 – 3/27/2009 543 days
(§467.35 Press Heat Treatment) C315	196,743	03/14/2007 – 3/27/2009 744 days
(§467.35 Cleaning or Etching Rinse) C315	196,743	03/14/2007 – 3/27/2009 744 days
(§467.35 Cleaning or Etching Bath) C315	196,743	03/14/2007 – 3/27/2009 744 days
Rolled Copper		
(§468.14(d) Solution Heat Treatment)	7,811,670	09/06/2008 – 3/27/2009 202 days
Extruded Copper		
(§468.14(k) Pickling Rinse)	545,302	02/01/2008 – 3/27/2009 420 days
(§468.14(m) Pickling Bath)	545,302	02/01/2008 – 3/27/2009 420 days
(§468.14(e) Extrusion Heat Treatment)	545,302	02/01/2008 – 3/27/2009 420 days

[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

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.

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

C. Number of Regular Employees at this Facility: 91

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[1] (Aluminum Rolling)	NA	NA	26,667 gallons discharged to the POTW September 6, 2008	Batch discharge from recirculation pond
§467.35 Cleaning or Etching Rinse (Aluminum Extrusion)	NA	NA	Not in service	Batch discharge to either POTW or waste oil tank
467.35 Cleaning or Etching Bath (Aluminum Extrusion)	NA	NA	Not in service	Batch discharge to either POTW or waste oil tank
§467.35 Press Heat Treatment (Aluminum Extrusion)	NA	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)	NA	NA	Three 212-gallon tanks discharged to the POTW February 1,2008	Batch discharge to either POTW or waste oil tank
§468.14(k) Pickling Rinse (Copper Extrusion)	NA	NA	Three 106-gallon tanks discharged to the POTW February 1,2008	Batch discharge to either POTW or waste oil tank
§468.14(e) Extrusion Heat Treatment (Copper Extrusion)	NA	NA	One 500-gallon tank discharged to the POTW February 1,2008	Batch discharge from Copper Extrusion (C-350) Product Cooling Tank
§467.35 Core-Die Cleaner (Aluminum Extrusion)	NA	N/A	N/A	Intermittent
§467.35 Press Heat Treatment (Aluminum Extrusion)	NA	NA	Two 300-gallon tanks one discharged to the POTW on October 1, 2007	Batch discharge from Aluminum Extrusion (C-300 & C-500) Cooling Water Tank
§468.14(d) Solution Heat Treatment[1] (Copper Forming [Rolling])	NA	NA	26,667 gallons discharged to the POTW September 6, 2008	Batch discharge from recirculation pond
§403.6(e) Unregulated:				
Air compressor condensate blowdown	10 (estimate)	118	N/A	Intermittent
Steam clean forklift wash area	6 (estimate)	118	N/A	Intermittent
§403.6(e) Dilute:				
Cooling water[1]	NA	NA	26,667 gallons discharged to the POTW September 6, 2008	Batch discharge from recirculation pond
Sanitary	5,549 (estimate)	118	N/A	Continuous

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

(5) MEASURMENT 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

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	525	NA	NA	NA	1773.6	NA	75201.2	354.7
C-500 Cooling Water Tank Measured Concentrations	0.027	NA	NA	NA	0.019	NA	<5	<0.01
C-300 Cooling Water Tank (Aluminum Extrusion) Allowable Concentrations	333	NA	NA	NA	1125.1	NA	47704.7	225
C-300 Cooling Water Tank Measured Concentrations	<0.007	NA	NA	NA	0.015	NA	<5	<0.01
Die Cleaning Allowable Concentrations[1]	9 | 3.9	NA	NA	NA	31 | 13	NA	1136 | 556	6 | 3
Die Cleaning Measured Concentrations	<0.007	NA	NA	NA	0.068	NA	<5	<0.01
Pond Allowable Concentration	1.793	7.563	.972	9.601	6.082	NA	153.048	.294
Pond Measured Concentration	<0.007	0.71	<0.04	<0.01	0.042	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	53.5	NA	NA	NA	180.9	NA	7670.5	36.2
C-315 Cooling Water Tank Measured Concentrations	<0.007	NA	NA	NA	<0.002	NA	<5	<0.01
C-350 Copper Extrusion Tank 1 (Pickling Bath)	6.17	35.8	4.63	45.3	21.59	NA	429	NA
C-350 Copper Extrusion Tank 1 Measured Concentration	<0.007	1.1	<0.04	<0.01	0.019	NA	<5	<0.01
C-350 Copper Extrusion Tank 2 (Pickling Rinse)	145	806	104.2	1023	491	NA	9667	NA
C-350 Copper Extrusion Tank 2 Measured Concentration	<0.007	1.1	<0.04	<0.01	0.019	NA	<5	<0.01
C-350 Copper Extrusion Tank 3 (Pickling Bath)	6.17	35.8	4.63	45.3	21.59	NA	429	NA
C-350 Copper Extrusion Tank 3 Measured Concentration	<0.007	1.1	<0.04	<0.01	0.019	NA	<5	<0.01
C-350 Copper Extrusion Tank 4 (Pickling Rinse)	145	806	104.2	1023	491	NA	9667	NA
C-350 Copper Extrusion Tank 4 Measured Concentration	<0.007	1.1	<0.04	<0.01	0.019	NA	<5	<0.01
C-350 Copper Extrusion Tank 5 (Pickling Rinse)	145	806	104.2	1023	491	NA	9667	NA
C-350 Copper Extrusion Tank 5 Measured Concentration	<0.007	1.1	<0.04	<0.01	0.019	NA	<5	<0.01
C-350 Copper Extrusion Tank 6 (Pickling Bath)	6.17	35.8	4.63	45.3	21.59	NA	429	NA
C-350 Copper Extrusion Tank 6 Measured Concentration	<0.007	1.1	<0.04	<0.01	0.019	NA	<5	<0.01
C-350 Cooling Water Tank (Copper Extrusion) Allowable Concentrations	.047	.262	.034	.262	.131	NA	3.138	NA
C-350 Cooling Water Tank Measured Concentrations[2],[3]	<0.007	1.1	<0.04	<0.01	0.019	NA	<5	<0.01

40CFR136 Preservation and Analytical Methods Use: ☒ Yes ☐ No

[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

(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 environmental should be employed only as a last resort and should be conducted in an environmentally safe manner.*

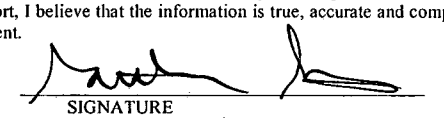
The User may list any new or ongoing Pollution Prevention practices:

(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


SIGNATURE

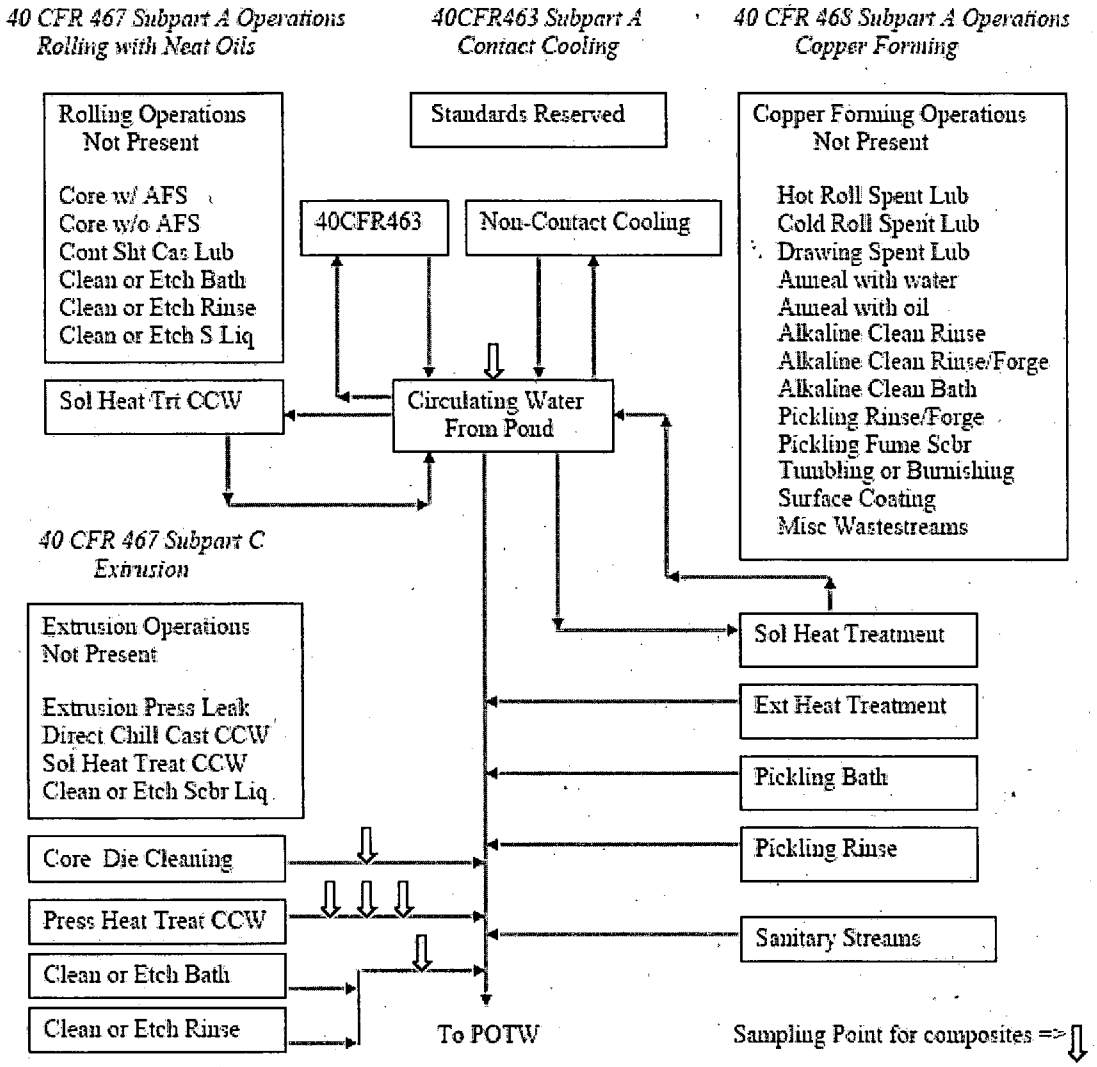
General Manager
OFFICIAL TITLE

31 Mar 2009
DATE SIGNED

ATTACHMENT 1

Flow Schematics

Algonquin Industries Osceola, Arkansas



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 User has decided not to declare it at this time, show N/P.

Signature of §403.12(b) Professional — Date: 3/31/09

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(l) official — Date: 31 Mar 2009

SSP_Diagramdoc (August 9, 2002, 2002)

ATTACHMENT 2

Sampling and Analysis Results

AMERICAN INTERPLEX CORPORATION LABORATORIES

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

Dear Mr. Matt Slonaker:

Project Description: Six (6) water sample(s) received on March 30, 2009
P.O. No. 14408

This report is the analytical results and supporting information for the samples submitted to American Interplex Corporation (AIC) on March 30, 2009. The following results are applicable only to the samples identified by the control number referenced above. Accurate assessment of the data requires access to the entire document. Each section of the report has been reviewed and approved by the laboratory director or a qualified designee.

Data has been validated using standard quality control measures performed on at least 10% of the samples analyzed. Quality Assurance, instrumentation, maintenance and calibration were performed in accordance with guidelines established by the cited methodology.

AMERICAN INTERPLEX CORPORATION

By _____
John Overbey
Laboratory Director

PDF cc: Algonquin Industries
ATTN: Mr. Matt Slonaker
mslonaker@mail.algonquin-industries.com

AMERICAN INTERPLEX CORPORATION LABORATORIES

Algonquin Industries
1800 Highway 61 South
Osceola, AR 72370

CASE NARRATIVE

SAMPLE RECEIPT

Received Temperature: 2°C

Receipt Verification:	Complete Chain of Custody	N
	Sample ID on Sample Labels	Y
	Date and Time on Sample Labels	N
	Proper Sample Containers	Y
	Within Holding Times	Y
	Adequate Sample Volume	Y
	Sample Integrity	Y
	Proper Temperature	Y
	Proper Preservative	Y

COMMENTS

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

References:

"Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).

"Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.

"Standard Methods for the Examination of Water and Wastewaters", 20th edition, 1998.

"American Society for Testing and Materials" (ASTM).

"Association of Analytical Chemists" (AOAC).

"Self-Davis and Moore" (2000).

AMERICAN INTERPLEX CORPORATION LABORATORIES

Algonquin Industries
1800 Highway 61 South
Osceola, AR 72370

ANALYTICAL RESULTS

AIC No. 127894-1
Sample Identification: Pond

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	< 0.01	0.01	mg/l	W28500	
Chromium	EPA 200.7	< 0.007	0.007	mg/l	S25206	
Copper	EPA 200.7	0.71	0.006	mg/l	S25206	
Lead	EPA 200.7	< 0.04	0.04	mg/l	S25206	
Nickel	EPA 200.7	< 0.01	0.01	mg/l	S25206	
Zinc	EPA 200.7	0.042	0.002	mg/l	S25206	
Oil and Grease	EPA 1664A	< 5	5	mg/l	B5637	

AIC No. 127894-2
Sample Identification: C350

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	< 0.01	0.01	mg/l	W28500	
Chromium	EPA 200.7	< 0.007	0.007	mg/l	S25206	
Copper	EPA 200.7	1.1	0.006	mg/l	S25206	
Lead	EPA 200.7	< 0.04	0.04	mg/l	S25206	
Nickel	EPA 200.7	< 0.01	0.01	mg/l	S25206	
Zinc	EPA 200.7	0.019	0.002	mg/l	S25206	
Oil and Grease	EPA 1664A	< 5	5	mg/l	B5637	

AIC No. 127894-3
Sample Identification: C500

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	< 0.01	0.01	mg/l	W28500	
Chromium	EPA 200.7	0.027	0.007	mg/l	S25206	
Zinc	EPA 200.7	0.019	0.002	mg/l	S25206	
Oil and Grease	EPA 1664A	< 5	5	mg/l	B5637	

AIC No. 127894-4
Sample Identification: Die Cleaning

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	< 0.01	0.01	mg/l	W28500	
Chromium	EPA 200.7	< 0.007	0.007	mg/l	S25206	
Zinc	EPA 200.7	0.068	0.002	mg/l	S25206	
Oil and Grease	EPA 1664A	< 5	5	mg/l	B5637	

AIC No. 127894-5
Sample Identification: C300

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	< 0.01	0.01	mg/l	W28500	
Chromium	EPA 200.7	< 0.007	0.007	mg/l	S25206	
Zinc	EPA 200.7	0.015	0.002	mg/l	S25206	
Oil and Grease	EPA 1664A	< 5	5	mg/l	B5637	

AMERICAN INTERPLEX CORPORATION
LABORATORIES

Algonquin Industries
1800 Highway 61 South
Osceola, AR 72370

ANALYTICAL RESULTS

AIC No. 127894-6
Sample Identification: C315

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	< 0.01	0.01	mg/l	W28500	
Chromium	EPA 200.7	< 0.007	0.007	mg/l	S25206	
Zinc	EPA 200.7	< 0.002	0.002	mg/l	S25206	
Oil and Grease	EPA 1664A	< 5	5	mg/l	B5637	

AMERICAN INTERPLEX CORPORATION LABORATORIES

Algonquin Industries
1800 Highway 61 South
Osceola, AR 72370

SAMPLE PREPARATION REPORT

AIC No. 127894-1

Analyte	Date/Time Prepared By		Date/Time Analyzed By		Dilution	Batch	Qualifier
Total Cyanide	30MAR09 1010	286	30MAR09 1336	286		W28500	
Metals	30MAR09 1125	270	30MAR09 1227	270		S25206	
Oil and Grease	30MAR09 1023	100	30MAR09 1348	100		B5637	

AIC No. 127894-2

Analyte	Date/Time Prepared By		Date/Time Analyzed By		Dilution	Batch	Qualifier
Total Cyanide	30MAR09 1010	286	30MAR09 1340	286		W28500	
Metals	30MAR09 1125	270	30MAR09 1235	270		S25206	
Oil and Grease	30MAR09 1023	100	30MAR09 1348	100		B5637	

AIC No. 127894-3

Analyte	Date/Time Prepared By		Date/Time Analyzed By		Dilution	Batch	Qualifier
Total Cyanide	30MAR09 1010	286	30MAR09 1342	286		W28500	
Metals	30MAR09 1125	270	30MAR09 1238	270		S25206	
Oil and Grease	30MAR09 1023	100	30MAR09 1348	100		B5637	

AIC No. 127894-4

Analyte	Date/Time Prepared By		Date/Time Analyzed By		Dilution	Batch	Qualifier
Total Cyanide	30MAR09 1010	286	30MAR09 1343	286		W28500	
Metals	30MAR09 1125	270	30MAR09 1241	270		S25206	
Oil and Grease	30MAR09 1023	100	30MAR09 1348	100		B5637	

AIC No. 127894-5

Analyte	Date/Time Prepared By		Date/Time Analyzed By		Dilution	Batch	Qualifier
Total Cyanide	30MAR09 1010	286	30MAR09 1345	286		W28500	
Metals	30MAR09 1125	270	30MAR09 1244	270		S25206	
Oil and Grease	30MAR09 1023	100	30MAR09 1348	100		B5637	

AIC No. 127894-6

Analyte	Date/Time Prepared By		Date/Time Analyzed By		Dilution	Batch	Qualifier
Total Cyanide	30MAR09 1010	286	30MAR09 1347	286		W28500	
Metals	30MAR09 1125	270	30MAR09 1247	270		S25206	
Oil and Grease	30MAR09 1023	100	30MAR09 1348	100		B5637	

AMERICAN INTERPLEX CORPORATION LABORATORIES

Algonquin Industries
1800 Highway 61 South
Osceola, AR 72370

LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Cyanide	0.1 mg/l	106/109	85-115	2.79	20	W28500	
Chromium	0.5 mg/l	87.8/87.4	85-115	0.462	20	S25206	
Copper	0.5 mg/l	87.8/88.1	85-115	0.323	20	S25206	
Lead	5 mg/l	86.4/86.1	85-115	0.357	20	S25206	
Nickel	0.5 mg/l	86.6/86.2	85-115	0.499	20	S25206	
Zinc	0.5 mg/l	87.1/86.7	85-115	0.480	20	S25206	
Oil and Grease	40 mg/l	96.0/95.8	78-114	0.261	20	B5637	

MATRIX SPIKE SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Cyanide	0.1 mg/l	102	75-125	-	20	W28500	
Chromium	0.5 mg/l	102/102	75-125	0.289	20	S25206	
Copper	0.5 mg/l	101/110	75-125	3.87	20	S25206	
Lead	5 mg/l	101/100	75-125	0.191	20	S25206	
Nickel	0.5 mg/l	99.5/99.8	75-125	0.311	20	S25206	
Zinc	0.5 mg/l	101/102	75-125	0.380	20	S25206	

LABORATORY BLANK RESULTS

Analyte	Method	Result	Units	RL	PQL	QC Sample	Qual
Cyanide	SM4500-CN C,E	< 0.01	mg/l	0.01	0.01	W28500-1	
Chromium	EPA 200.7	< 0.007	mg/l	0.007	0.007	S25206-1	
Copper	EPA 200.7	< 0.006	mg/l	0.006	0.006	S25206-1	
Lead	EPA 200.7	< 0.04	mg/l	0.04	0.04	S25206-1	
Nickel	EPA 200.7	< 0.01	mg/l	0.01	0.01	S25206-1	
Zinc	EPA 200.7	< 0.002	mg/l	0.002	0.002	S25206-1	
Oil and Grease	EPA 1664A	< 5	mg/l	5	5	B5637-1	

AMERICAN INTERPLEX CORPORATION LABORATORIES

Algonquin Industries
1800 Highway 61 South
Osceola, AR 72370

QUALITY CONTROL PREPARATION REPORT

LABORATORY CONTROL SAMPLES

Analyte	Date/Time Prepared By		Date/Time Analyzed By		Dilution	QC Sample	Qualifier
Cyanide	30MAR09 1011	286	30MAR09 1332	286		W28500-2	
Cyanide	30MAR09 1011	286	30MAR09 1334	286		W28500-3	
Metals	30MAR09 1125	270	30MAR09 1218	270		S25206-2	
Metals	30MAR09 1125	270	30MAR09 1220	270		S25206-3	
Oil and Grease	30MAR09 1024	100	30MAR09 1348	100		B5637-2	
Oil and Grease	30MAR09 1024	100	30MAR09 1348	100		B5637-3	

MATRIX SPIKE SAMPLES

Analyte	Date/Time Prepared By		Date/Time Analyzed By		Dilution	QC Sample	Qualifier
Cyanide	30MAR09 1011	286	30MAR09 1338	286		W28500-4	
Metals	30MAR09 1125	270	30MAR09 1222	270		S25206-4	
Metals	30MAR09 1125	270	30MAR09 1224	270		S25206-5	

LABORATORY BLANKS

Analyte	Date/Time Prepared By		Date/Time Analyzed By		Dilution	QC Sample	Qualifier
Cyanide	30MAR09 1011	286	30MAR09 1330	286		W28500-1	
Metals	30MAR09 1125	270	30MAR09 1216	270		S25206-1	
Oil and Grease	30MAR09 1024	100	30MAR09 1348	100		B5637-1	

AMERICAN INTERPLEX CORPORATION
LABORATORIES

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

PAGE OF

Client:
Project Reference:
Project Manager:
Sampled By:

PO No.

SAMPLE MATRIX

NO OF BOTTLES

ANALYSES REQUESTED

AIC CONTROL NO:
AIC PROPOSAL NO:
Carrier:
Received Temperature C

AIC No.	Sample Identification	Date/Time Collected	GRAB	COMP	WATER	SOIL			Remarks
		Container Type							Field pH calibration
		Preservative							on _____ @ _____
									Buffer:

G = Glass P = Plastic V = VOA vials H = HCl to pH2 T = Sodium Thiosulfate
NO = none S = Sulfuric acid pH2 N = Nitric acid pH2 B = NaOH to pH12 Z = Zinc acetate

Turnaround Time Requested: (Please circle)
NORMAL or EXPEDITED IN ____ DAYS
Expedited results requested by: _____
Who should AIC contact with questions: _____
Phone: _____ Fax: _____
Report Attention to:
Report Address to:

Relinquished By:	Date/Time	Received By:	Date/Time
Relinquished By:	Date/Time	Received in Lab By:	Date/Time

Comments:

5/01

FORM 0060

Align top of **FedEx Express Shipping Label** here.

FedEx
TRK# 0215 8690 6264 2290

WED - 01 APR AA
PRIORITY OVERNIGHT

XH LITA

72118
AR-US
MEM

Emp# 138472 31MAR09 JBRA

FedEx Express US Airbill

FedEx Tracking Number 8690 6264 2290

Form ID No. 0215

Recipient's Copy

RECIPIENT: PEEL HERE

fedex.com 1.800.GoFedEx 1.800.463.3339

1 From This portion can be removed for Recipient's records.

Date 03/31/09 FedEx Tracking Number 869062642290

Sender's Name Matt Slonaker Phone 870 563-5207

Company ALGONQUIN INDUSTRIES

Address 1600 US HWY 61 S Dept./Floor/Suite/Room

City OSCEOLA State AR ZIP 72370

2 Your Internal Billing Reference

3 To

Recipient's Name MR. Allen Gilliam Phone

Company Arkansas Department of Environmental Quality

Recipient's Address 5301 Northshore Drive Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City North Little Rock State AR ZIP 72118

72118

0400066446

8690 6264 2290

MUR23

4a Express Package Service *Packages up to 150 lbs.*

- [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate. * To most locations.

4b Express Freight Service *Packages over 150 lbs.*

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation: ** To most locations.

5 Packaging

- [X] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [ ] Other

* Declared value limit $500.

6 Special Handling Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

- [X] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. [ ] Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip Acct. No. [ ]

- [X] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Total Packages 1 Total Weight Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

- [X] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. *Fee applies.*

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Form of Fee: and Stick Airbill