Wilson, Tabatha

From: Gilliam, Allen
Sent: Friday, August 29, 2014 11:55 AM
To: Onika Shirley
Cc: Seth Gately; Amy McGraw; Fuller, Kim; Wilson, Tabatha; helenawater@sbcglobal.net
Subject: AR0043389_Euramax ARP001044 Aug 2014 semi annual Pretreatment report with ADEQ reply and request_20140828
Attachments: doc04935620140829085805.pdf

Onika,

Has Amerimax officially changed names or ownership? Please supply the reason for the name change. I'll need to revise my files and future correspondence accordingly.

Euramax' August 2014 was electronically received, reviewed, deemed complete and compliant with the reporting requirements in 40 CFR 403.12(e) and more specifically with the Coil Coating standards in 40 CFR 465.

A hand calculation spot check of one of the parameter's maximum for any one day and maximum for the monthly average equaled your spreadsheet's values in converting the category's production based standards to concentration based. Those for the galvanized line were noticeably higher because of the decrease in wastewater generated during this six (6) month period than the last.

Please explain why it took ~283 gpd to coil coat (galvanized line) 0.4246 $MMft^2$/day of material this six month period compared to using 783 gpd to coil coat (galvanized line) 0.4545 $MMft^2$/day of material the last 6 month time period. The ratio of production to flow is very divergent (~3 times greater this six month time period).

Almost the exact opposite is observed for the Aluminum line. This year's production to flow ratio is ~2 times less than what was reported from the last semi-annual report.

Are there flow measurement devices (flumes or flow meters?) employed or are flows estimated?

Please reply to these requests within 30 days from the date on this correspondence.

Pardon these long distance observations, but this office only has Euramax' paperwork and certified numbers to review/verify compliance. These observed wide fluctuations in flows (or production) raise questions.

If you have any questions or comments please feel free to contact this office.

Sincerely,

Allen Gilliam
ADEQ State Pretreatment Coordinator
501.682.0625

Ec: Terry McGinister, City of Helena General Manager

Seth Gately, Trinity Consultant to Euramax
Amy McGraw, Trinity Consultant to Euramax

E/NPDES/NPDES/Pretreatment/Reports

From: Onika Shirley [mailto:oshirley@amerimax.com]
Sent: Friday, August 29, 2014 8:55 AM
To: Gilliam, Allen
Cc: Seth Gately; Amy McGraw
Subject: Euramax (Helena's) Semi-annual Waste Water Report

Good morning Allen Gilliam

Please see the attached Waste Water report for this period.

Thanks,

Onika Shirley
Production Manager
Amerimax Exterior Home Products
215 PC 324, Helena, AR. 72432
oshirley@amerimax.com
T (870) 572-5074 x 3234
F (870) 572-6501
Amerimax.com <http://www.amerimax.com>

SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40CFR465

Use of this form is not an EPA/PC&E requirement. Attn: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION

A. LEGAL NAME & MAILING ADDRESS	B. FACILITY & LOCATION ADDRESS
Euramax International, Inc. 215 Phillips 324 Road Helena, AR 72342	Euramax International, Inc. 215 Phillips 324 Road Helena, AR 72342

C. FACILITY CONTACT: Onika Shirley TELEPHONE NUMBER: (870) 572-5074

(2) REPORTING PERIOD--FISCAL YEAR From Aug 1 to Jul 31 (Both Semi-Annual Reports must cover Fiscal Year)

A. MONTHS WHICH REPORTS ARE DUE	B. PERIOD COVERED BY THIS REPORT
August & February	FROM: February 2014 TO: July 2014

(3) DESCRIPTION OF OPERATION

A. REGULATED PROCESSES

40 CFR Part 465 -- Coil Coating Point Source Category

PROCESS*	PROD'N RATE(S) Total for Six Months	PROD'N DAYS Number of Operating Days
Subpart A Steel	N/P	
Subpart B Galv	15,285,581 ft^2	36
Subpart C Alum	100,773,589 ft^2	96
Subpart D Canmak	N/P	

*Show Rate & Days--If process is not present, show "Not Present" or "N/P".

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.

C. Number of Regular Employees at this Facility 42

D. [Reserved]

(4) FLOW MEASUREMENT (CON'D)

B. INDIVIDUAL PROCESS FLOWS DISCHARGED TO POTW IN GALLONS PER DAY (gpd)

Operation	Ave Tot Flow[1]	Max Tot Flow[2]	Type of Discharge	No. Disc Days
Regulated: Steel Basis	N/P			
Regulated: Galv Basis	283.5	4318.2		36
Regulated: Alum Basis	936.7	4318.2		96
Regulated: Canmaking	N/P			
Total Regulated				
§403.6(e) Unregulated[3]				
§403.6(e) Dilute				
Cooling Water				
Sanitary	1,425	1,425	continuous	
Total Flow to POTW			**********	**********

[1]"Ave Tot Flow" is the average of "total gallons discharged in a 24-hour day" during the reporting period. Note that "Ave Tot Flow" times "No. Disc Days" must equal the actual total gallons discharged to the POTW for this six month period.

[2]"Max Tot Flow" is the maximum "total gallons discharged in a 24-hour day" during the reporting period.

[3]"Unregulated" has a precise legal meaning; see 40 CFR403.6(e).

(5) MEASUREMENT OF POLLUTANTS

A. TYPE OF TREATMENT SYSTEM
CHECK EACH APPLICABLE BLOCK

- ☐ Neutralization
- ✠ Chemical Precipitation and Sedimentation
- ☐ Chromium Reduction
- ☐ Cyanide Destruction
- ✠ Other Filter Press
- ☐ None

B. COMMENTS ON TREATMENT SYSTEM

C. THE INDUSTRIAL USER MUST PERFORM SAMPLING AND ANALYSIS ON THE EFFLUENT FROM ALL REGULATED PROCESSES--(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.

	Galvanized basis (CFR 465.25)					Aluminum basis (CFR 465.35)		
Pollutant	Cr	Cu	CN	Zn		Cr	CN	Zn
Max for 1 day (mg/l)	4.85	16.16	2.69	12.93		4.97	2.69	13.44
Max for Monthly Avg (mg/l)	1.98	7.72	1.08	5.39		2.02	1.08	5.51
Max Measured (mg/l)	0.0091	0.0062	<0.01	0.11		<0.007	<0.01	0.07
*Avg Monthly Measured (mg/l)	0.0091	0.0062	<0.01	0.11		<0.007	<0.01	0.07

* A value here is the average of all samples taken during one (1) calendar month regardless of the number of samples taken. If only one (1) sample is taken it must meet the monthly average limitation

Sample Location FINAL EFFLUENT TANK

Sample Type (Grab or Composite) GRAB

Number of Samples and Frequency Collected 2 - SEMIANNUALLY

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

(6) CERTIFICATION

A. CHECK ONE: ☒ CYANIDE ANALYSIS ATTACHED ☐ EPA REGION VI CYANIDE CERTIFICATION PROVIDED BELOW

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 in our processes, which are regulated by the Coil Coating [40 CFR 465.03(a)] categorical pretreatment standards, since we filed the February semi-annual compliance report; the cyanide analysis, in the February report of this calendar year contain less than 0.07 mg/l. I understand that I can submit this certification for only the August report.

Onika Shirley
(Typed Name)

(Corporate Officer or authorized representative signature)

Date of Signature 8/29/14

B. [Reserved]

[RESERVED]

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 _____, 2004.

_____
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 it 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.

Onika Shirley
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

SIGNATURE

Plant Manager
OFFICIAL TITLE

08/29/14
DATE SIGNED

Euramax Flows and Rates for the Period

Number of days in period =		96	days aluminum was run
		36	days galvanized was run
Total flow (L) =		340,601	liters of aluminum waste water
		38,658	liters of galvanized waste water
	Aluminum	Galvanized	
Production Rate (ft^2) =	100.774	15.286	million ft^2

Allowable Limits per Day and per Period

465.25 Pretreatment standards for the Galvanized wastestream:

Pollutant	PSNS One Day Maximum (lb/1 million ft^2 of area processed)	PSNS Monthly Average Maximum (lb/1 million ft^2 of area processed)
Chromium	0.027	0.011
Copper	0.090	0.043
Cyanide	0.015	0.006
Zinc	0.072	0.030

The mass limitations for the galvanized line = $\frac{\text{production (million ft}^2\text{)}}{\text{days in period}} \times \text{PSNS maximum (lb/million ft}^2\text{)}$

$\frac{\text{15.29 million square feet}}{\text{36 days}} \times \text{PSNS maximum (lb/million ft}^2\text{)}$

Total Reported Production: 15.286 million ft^2

Production per Day: 0.4246 million ft^2/day

Pollutant	One Day Maximum (lb)	Monthly Average Maximum (lb)
Chromium	0.0115	0.0047
Copper	0.0382	0.0183
Cyanide	0.0064	0.0025
Zinc	0.0306	0.0127

Flow reported during the period per day =

$\frac{\text{total flow (L)}}{\text{days in period}} \times \frac{\text{0.264 gal}}{\text{liter}} \times \frac{\text{1 million gal}}{\text{1,000,000 gal}} = \frac{\text{million gal}}{\text{day}}$

$\frac{\text{38,658 Liters}}{\text{36 days}} \times \frac{\text{0.264 gal}}{\text{liter}} \times \frac{\text{1 million gal}}{\text{1,000,000 gal}} = \text{0.000283} \frac{\text{million gal}}{\text{day}}$

(Note that the conversion from lb to milligrams is implicit in the million gallons conversion: 1 L of water = 1000 g, 1 g = 1000 mg)

Conversion to equivalent concentration limits (mg/L) = $\frac{\text{maximum (lb)}}{\text{8.34 lb}} \times \text{0.000283 million gallons}$

Pollutant	One Day Maximum (mg/L)	Monthly Average Maximum (mg/L)
Chromium	4.849	1.975
Copper	16.163	7.722
Cyanide	2.694	1.078
Zinc	12.930	5.388

465.35 Pretreatment standards for the Aluminum wastestream:

Pollutant	PSNS	
	One Day Maximum (lb/1 million ft^2 of area processed)	Monthly Average Maximum (lb/1 million ft^2 of area processed)
Chromium	0.037	0.015
Cyanide	0.020	0.008
Zinc	0.100	0.041

The mass limitations for the aluminum line = $\frac{\text{production (million ft}^2\text{)}}{\text{days in period}} \times \text{PSNS maximum (lb/million ft}^2\text{)}$

$\frac{\text{100.77 million square feet}}{\text{96 days}} \times \text{PSNS maximum (lb/million ft}^2\text{)}$

Total Reported Production: 100.774 million ft^2

Production per Day: 1.0497 million ft^2/day

Pollutant	One Day Maximum (lb)	Monthly Average Maximum (lb)
Chromium	0.0388	0.0157
Cyanide	0.0210	0.0084
Zinc	0.1050	0.0430

Flow reported during the period per day =

$\frac{\text{total flow (L)}}{\text{days in period}} \times \frac{\text{0.264 gal}}{\text{liter}} \times \frac{\text{1 million gal}}{\text{1,000,000 gal}} = \frac{\text{million gal}}{\text{day}}$

$\frac{\text{340,601 Liters}}{\text{96 days}} \times \frac{\text{0.264 gal}}{\text{liter}} \times \frac{\text{1 million gal}}{\text{1,000,000 gal}} = \text{0.000937} \frac{\text{million gal}}{\text{day}}$

(Note that the conversion from lb to milligrams is implicit in the million gallons conversion: 1 L of water = 1000 g, 1 g = 1000 mg)

Conversion to equivalent concentration limits (mg/L) = $\frac{\text{maximum (lb)}}{\frac{\text{1 gal}}{\text{8.34 lb}} \times \text{0.000937 million gallons}}$

Pollutant	One Day Maximum (mg/L)	Monthly Average Maximum (mg/L)
Chromium	4.972	2.016
Cyanide	2.688	1.075
Zinc	13.438	5.510

Measured Pollutants vs. Concentration Limits

		Concentration (mg/L)			
		One Day Maximum	Maximum Measured	Monthly Average Maximum	Monthly Average Measured
Galvanized CFR 465.25	Cr	4.85	0.0091	1.98	0.0091
	Cu	16.16	0.0062	7.72	0.0062
	CN	2.69	<0.01	1.08	<0.01
	Zn	12.93	0.11	5.39	0.11
Aluminum CFR 465.35	Cr	4.97	<0.007	2.02	<0.007
	CN	2.69	<0.01	1.08	<0.01
	Zn	13.44	0.07	5.51	0.07

AMERICAN INTERPLEX CORPORATION
LABORATORIES

August 28, 2014
Control No. 181844

Amerimax Coated Products, Inc.
ATTN: Ms. Onika Shirley
215 Phillips 324 Road
Helena, AR 72342

This report contains the analytical results and supporting information for samples submitted on August 21, 2014. 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

AMERICAN INTERPLEX CORPORATION
LABORATORIES

Amerimax Coated Products, Inc.
215 Phillips 324 Road
Helena, AR 72342

SAMPLE INFORMATION

Project Description:
Two (2) water sample(s) received on August 21, 2014
P.O. No. NF 082114

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:

Laboratory ID	Client Sample ID	Sampled Date/Time	Notes
181844-1	Steel Run 8-14-14 900am	14-Aug-2014 0900	1
181844-2	Alum Run 8-20-14 9am	20-Aug-2014 0900	1,2

Notes:
1. Received temperature of samples did not meet regulatory requirements
2. Sample was received unpreserved

Qualifiers:
D Result is from a secondary dilution factor

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).

AMERICAN INTERPLEX CORPORATION
LABORATORIES

Amerimax Coated Products, Inc.
215 Phillips 324 Road
Helena, AR 72342

ANALYTICAL RESULTS

AIC No. 181844-1
Sample Identification: Steel Run 8-14-14 900am

Analyte		Result	RL	Units	Qualifier
Total Cyanide		< 0.01	0.01	mg/l	
SM 4500-CN C,E 1999	Prep: 22-Aug-2014 0814 by 308	Analyzed: 22-Aug-2014 1430 by 308		Batch: W48955	
Aluminum		3.8	0.2	mg/l	D
EPA 200.7	Prep: 25-Aug-2014 0952 by 271	Analyzed: 26-Aug-2014 1105 by 235		Batch: S37271	Dil: 5
Arsenic		< 0.05	0.05	mg/l	
EPA 200.8	Prep: 25-Aug-2014 0952 by 271	Analyzed: 25-Aug-2014 1800 by 302		Batch: S37271	
Chromium		0.0091	0.007	mg/l	
EPA 200.8	Prep: 25-Aug-2014 0952 by 271	Analyzed: 25-Aug-2014 1800 by 302		Batch: S37271	
Copper		0.0062	0.006	mg/l	
EPA 200.8	Prep: 25-Aug-2014 0952 by 271	Analyzed: 25-Aug-2014 1800 by 302		Batch: S37271	
Iron		1.2	0.02	mg/l	
EPA 200.8	Prep: 25-Aug-2014 0952 by 271	Analyzed: 25-Aug-2014 1800 by 302		Batch: S37271	
Nickel		0.076	0.01	mg/l	
EPA 200.8	Prep: 25-Aug-2014 0952 by 271	Analyzed: 25-Aug-2014 1800 by 302		Batch: S37271	
Zinc		0.11	0.002	mg/l	
EPA 200.8	Prep: 25-Aug-2014 0952 by 271	Analyzed: 25-Aug-2014 1800 by 302		Batch: S37271	

AIC No. 181844-2
Sample Identification: Alum Run 8-20-14 9am

Analyte		Result	RL	Units	Qualifier
Total Cyanide		< 0.01	0.01	mg/l	
SM 4500-CN C,E 1999	Prep: 22-Aug-2014 0814 by 308	Analyzed: 22-Aug-2014 1435 by 308		Batch: W48955	
Aluminum		5.5	0.2	mg/l	D
EPA 200.7	Prep: 25-Aug-2014 0952 by 271	Analyzed: 26-Aug-2014 1107 by 235		Batch: S37271	Dil: 5
Arsenic		< 0.05	0.05	mg/l	
EPA 200.8	Prep: 25-Aug-2014 0952 by 271	Analyzed: 25-Aug-2014 1805 by 302		Batch: S37271	
Chromium		< 0.007	0.007	mg/l	
EPA 200.8	Prep: 25-Aug-2014 0952 by 271	Analyzed: 25-Aug-2014 1805 by 302		Batch: S37271	
Copper		0.0065	0.006	mg/l	
EPA 200.8	Prep: 25-Aug-2014 0952 by 271	Analyzed: 25-Aug-2014 1805 by 302		Batch: S37271	
Iron		2.6	0.02	mg/l	
EPA 200.8	Prep: 25-Aug-2014 0952 by 271	Analyzed: 25-Aug-2014 1805 by 302		Batch: S37271	
Nickel		0.052	0.01	mg/l	
EPA 200.8	Prep: 25-Aug-2014 0952 by 271	Analyzed: 25-Aug-2014 1805 by 302		Batch: S37271	
Zinc		0.070	0.002	mg/l	
EPA 200.8	Prep: 25-Aug-2014 0952 by 271	Analyzed: 25-Aug-2014 1805 by 302		Batch: S37271	

AMERICAN INTERPLEX CORPORATION
LABORATORIES

Amerimax Coated Products, Inc.
215 Phillips 324 Road
Helena, AR 72342

LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	0.1 mg/l	92.0	85.0-115			W48955	22Aug14 0814 by 308	22Aug14 1428 by 308		
Aluminum	0.05 mg/l	102	85.0-115			S37271	25Aug14 0952 by 271	25Aug14 1716 by 302		
Arsenic	0.05 mg/l	98.6	85.0-115			S37271	25Aug14 0952 by 271	25Aug14 1716 by 302		
Chromium	0.05 mg/l	106	85.0-115			S37271	25Aug14 0952 by 271	25Aug14 1716 by 302		
Copper	0.05 mg/l	104	85.0-115			S37271	25Aug14 0952 by 271	25Aug14 1716 by 302		
Iron	5 mg/l	102	85.0-115			S37271	25Aug14 0952 by 271	25Aug14 1716 by 302		
Nickel	0.05 mg/l	104	85.0-115			S37271	25Aug14 0952 by 271	25Aug14 1716 by 302		
Zinc	0.05 mg/l	97.9	85.0-115			S37271	25Aug14 0952 by 271	25Aug14 1716 by 302		

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	181844-1	0.1 mg/l	88.6	75.0-125	W48955	22Aug14 0814 by 308	22Aug14 1432 by 308		
	181844-1	0.1 mg/l	88.5	75.0-125	W48955	22Aug14 0814 by 308	22Aug14 1434 by 308		
	Relative Percent Difference:		0.112	20.0	W48955				
Aluminum	181859-1	0.05 mg/l	98.7	75.0-125	S37271	25Aug14 0952 by 271	25Aug14 1724 by 302		
	181859-1	0.05 mg/l	117	75.0-125	S37271	25Aug14 0952 by 271	25Aug14 1732 by 302		
	Relative Percent Difference:		13.1	20.0	S37271				
Arsenic	181859-1	0.05 mg/l	102	75.0-125	S37271	25Aug14 0952 by 271	25Aug14 1724 by 302		
	181859-1	0.05 mg/l	102	75.0-125	S37271	25Aug14 0952 by 271	25Aug14 1732 by 302		
	Relative Percent Difference:		0.149	20.0	S37271				
Chromium	181859-1	0.05 mg/l	106	75.0-125	S37271	25Aug14 0952 by 271	25Aug14 1724 by 302		
	181859-1	0.05 mg/l	109	75.0-125	S37271	25Aug14 0952 by 271	25Aug14 1732 by 302		
	Relative Percent Difference:		2.32	20.0	S37271				
Copper	181859-1	0.05 mg/l	103	75.0-125	S37271	25Aug14 0952 by 271	25Aug14 1724 by 302		
	181859-1	0.05 mg/l	99.7	75.0-125	S37271	25Aug14 0952 by 271	25Aug14 1732 by 302		
	Relative Percent Difference:		3.22	20.0	S37271				
Iron	181859-1	5 mg/l	100	75.0-125	S37271	25Aug14 0952 by 271	25Aug14 1724 by 302		
	181859-1	5 mg/l	99.9	75.0-125	S37271	25Aug14 0952 by 271	25Aug14 1732 by 302		
	Relative Percent Difference:		0.495	20.0	S37271				
Nickel	181859-1	0.05 mg/l	101	75.0-125	S37271	25Aug14 0952 by 271	25Aug14 1724 by 302		
	181859-1	0.05 mg/l	99.8	75.0-125	S37271	25Aug14 0952 by 271	25Aug14 1732 by 302		
	Relative Percent Difference:		1.09	20.0	S37271				
Zinc	181859-1	0.05 mg/l	121	75.0-125	S37271	25Aug14 0952 by 271	25Aug14 1724 by 302		
	181859-1	0.05 mg/l	108	75.0-125	S37271	25Aug14 0952 by 271	25Aug14 1732 by 302		
	Relative Percent Difference:		10.7	20.0	S37271				

Amerimax Coated Products, Inc.
215 Phillips 324 Road
Helena, AR 72342

LABORATORY BLANK RESULTS

Analyte	Result	RL	PQL	QC Sample	Preparation Date	Analysis Date	Qual
Total Cyanide	< 0.01 mg/l	0.01	0.01	W48955-1	22Aug14 0814 by 308	22Aug14 1426 by 308	
Aluminum	< 0.04 mg/l	0.04	0.04	S37271-1	25Aug14 0952 by 271	25Aug14 1711 by 302	
Arsenic	< 0.05 mg/l	0.05	0.05	S37271-1	25Aug14 0952 by 271	25Aug14 1711 by 302	
Chromium	< 0.007 mg/l	0.007	0.007	S37271-1	25Aug14 0952 by 271	25Aug14 1711 by 302	
Copper	< 0.006 mg/l	0.006	0.006	S37271-1	25Aug14 0952 by 271	25Aug14 1711 by 302	
Iron	< 0.02 mg/l	0.02	0.02	S37271-1	25Aug14 0952 by 271	25Aug14 1711 by 302	
Nickel	< 0.01 mg/l	0.01	0.01	S37271-1	25Aug14 0952 by 271	25Aug14 1711 by 302	
Zinc	< 0.002 mg/l	0.002	0.002	S37271-1	25Aug14 0952 by 271	25Aug14 1711 by 302	

AMERICAN INTERPLEX CORPORATION
LABORATORIES

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client: AmeriMax
Project Reference:
Project Manager:
Sampled By:
PO No.

AIC CONTROL NO: 181844
AIC PROPOSAL NO:
Carrier: UPS
Received Temperature C: 26.8

AIC No.	Sample Identification	Date/Time Collected	GRAB	COMP	MATRIX WATER	MATRIX SOIL	NO OF BOTTLES	ANALYSES REQUESTED	Remarks
1C 1793	5392	900 8-14-14					1	CR CU ZN NI AL FE	ID#s: Steel RUN
1C 1793	7903	900am 8-14-14					1	CUT	Steel RUN
2C 1793	7903	9am 8-20-14					1	CUT	ALUM RUN
2C 1793	5392	9am 8-20-14						CR CU ZN AS NI AL FE	Alum Run
									Field pH calibration
		Container Type					P		on _____ @ _____
		Preservative							Buffer:

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=$(NH_4)_2SO_4$, NH_4OH

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 8/21/14 1040

Comments:

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