

## Gage, Hannah

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**From:** Yates, Adam  
**Sent:** Tuesday, October 3, 2017 2:58 PM  
**To:** Teresa Melton  
**Cc:** Gage, Hannah; McWilliams, Carrie; Leamons, Bryan; Arkadelphia - Brenda Gills; arkadelphia david green; Arkadelphia David Thomason  
**Subject:** RE: AR0043389\_Euramax ARP001044 August 2017 Semi-annual Pretreatment Report\_20170913  
**Attachments:** Report.pdf

Teresa,

I apologize for not responding sooner. Euramax's August 2017 semi-annual Pretreatment report was received, reviewed, and deemed complete and compliant with the reporting requirements in 40 CFR 403.12(e) and more specifically, in compliance with the pretreatment standards for Coil Coating (Galvanized & Aluminum Bases) in 40 CFR 465.25 and 35. No further action is required at this time.

Kindly,

Adam Yates  
Engineer, NPDES Permits Section  
Office of Water Quality  
Arkansas Department of Environmental Quality  
Phone: (501) 682-0617

E:\NPDES\NPDES\Pretreatment\Reports

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**From:** Teresa Melton [<mailto:tmelton@amerimax.com>]  
**Sent:** Wednesday, September 13, 2017 3:14 PM  
**To:** Yates, Adam  
**Cc:** Johnson, Lindsay  
**Subject:** SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40CFR465 Water Div/NPDES Pretreatment

Good Afternoon Mr. Yates,

Here is the completed 40 CFR 465 report. I have attached the worksheet in which all calculations were made as well as the lab results (including chain of custody). Please let me know if you have questions or concerns.

Kind Regards,  
Teresa Melton  
Quality, E, H & S Manager  
870-450-1822  
[tmelton@amerimax.com](mailto:tmelton@amerimax.com)

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**SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40 CFR 433**

Use of this form is not an ADEQ requirement, but satisfies the reporting requirements in 40 CFR 403.12(e).

Attn: Office of Water Quality - NPDES Pretreatment

**(1) IDENTIFYING INFORMATION and NPDES Pretreatment Tracking # ARP00 B965**

**A. LEGAL NAME & MAILING ADDRESS**

Omnimax International Inc.  
215 Phillips 324 Road  
Helena, Ark 72342

**B. FACILITY & LOCATION ADDRESS**

Euramax International Inc.  
215 Phillips 324 Road  
Helena, Ark 72342

**C. FACILITY CONTACT:** Teresa Melton      **TELEPHONE NUMBER:** 870-450-1822      **E-MAIL:** tmelton@amerimax.com

**(2) REPORTING PERIOD--FISCAL YEAR From February to August (Both Semi-Annual Reports must cover Fiscal Year)**

**A. MONTHS WHICH REPORTS ARE DUE**

August & February

**B. PERIOD COVERED BY THIS REPORT**

**FROM:** February 2017      **TO:** August 2017

**(3) DESCRIPTION OF OPERATION**

**A. REGULATED PROCESSES**

40 CFR Part 465—Coil Coating Point Source Category

<u>PROCESS<sup>1</sup></u>	<u>PRODUCTION RATE(S)</u> Total for Six Months	<u>PRODUCTION DAYS</u> Number of Operating Days
Subpart A Steel	N/P	
Subpart B Galvanized	6,608,943 ft <sup>2</sup>	
Subpart C Aluminum	70,069,540 ft <sup>2</sup>	
Subpart D Canmaking		

**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.

<sup>1</sup> Show Rate & Days. If process is not present, show "Not Present" or "N/P."

**C. Number of Regular Employees at this Facility** 42

**D. [Reserved]**

**(4) FLOW MEASUREMENT**

**INDIVIDUAL & TOTAL PROCESS FLOWS DISCHARGED TO POTW IN GALLONS PER DAY**

Process	Avg. Total Flow <sup>1</sup>	Max. Total Flow <sup>2</sup>	Type of Discharge	No. of Disc Days
Regulated: Steel	N/P			
Regulated: Galvanized	2,418.645	7,069.0		24
Regulated: Aluminum	2,737	7,069.0		78
Regulated: Canmaking				
Total Regulated				
<sup>1</sup> 403.6(e) Unregulated <sup>3</sup>				
<sup>1</sup> 403.6(e) Dilute				
Cooling Water				
Sanitary	1,425	1,425	continuous	
Total Flow to POTW			N/A	N/A

<sup>1</sup> "Avg. Total Flow" is the average of "total gallons discharged in a 24-hour day" during the reporting period. Note that "Avg. Total Flow" multiplied by "No. of Disc Days" must equal the actual total gallons discharged to the POTW for this six month period.

<sup>2</sup> "Max. Total Flow" is the maximum "total gallons discharged in a 24-hour day" during the reporting period.

<sup>3</sup> "Unregulated" has a precise legal meaning; see 40 CFR 403.6(e).

**(5) MEASUREMENT OF POLLUTANTS**

**A. TYPE OF TREATMENT SYSTEM**

CHECK EACH APPLICABLE BLOCK

Neutralization

\*  Chemical Precipitation and Sedimentation

Chromium Reduction

Cyanide Destruction

\* Other \_\_\_\_\_

None

**B. COMMENTS ON TREATMENT SYSTEM**

**C. THE INDUSTRIAL USER MUST PERFORM SAMPLING AND ANALYSIS OF 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.**

Pretreatment Standards	Galvanized Basis [40 CFR 465.25]				Aluminum Basis [40 CFR 465.35]		
	Cr	Cu	CN <sup>-</sup>	Zn	Cr	CN <sup>-</sup>	Zn
Pollutant Limits (mg/l)							
Max. for 1 day	.3714	1.238	.20637	.9905	1.459	.789	3.9455
Monthly Avg.	.151	.59159	.0825	.4127	.59182	.31564	1.61765
Max. Measured	.0079	.0073	<.01	.14	.0082	<.01	.14
Monthly Avg. Measured <sup>1</sup>	.0079	.0073	<.01	.14	.0082	<.01	.14

<sup>1</sup> This value is the average of all samples taken during one (1) calendar month regardless of 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 semi-annually \_\_\_\_\_

40 CFR 136 Preservation and Analytical Methods Used: \* Yes  No  (include complete Chain of Custody)

**(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 the pretreatment standards, I certify that, to the best of my knowledge and belief, 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 filing of the last semi-annual compliance report. I further certify that this facility is implementing the toxic organic management plan submitted to Arkansas Department of Environmental Quality.

\_\_\_\_\_  
(Printed Name)

\_\_\_\_\_  
(Corporate Officer or authorized representative signature)

\_\_\_\_\_  
(Date of Signature)

B. 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 \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
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 including Best or Environmental Management Practices, Source Reduction, Waste Minimization, Lean Manufacturing, Water and/or Energy Conservaton:**

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**(8) GENERAL COMMENTS**

**(9) SEMI-ANNUAL/PERIODIC REPORT CERTIFICATION STATEMENT REQUIRED UNDER 40 CFR 403.12(f)**

I certify under penalty of law that I have personally examined and am familiar with the information in this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate 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.

Teresa Melton  
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

Quality, E, H & S Manager  
OFFICIAL TITLE

Teresa A Melton  
SIGNATURE

9/13/17  
DATE SIGNED

For reporting period Feb 2017 to August 2017

Euramax Flows and Rates for the Period

Number of days in period: 24 days galvanized

78 Days Aluminum

Total flow(gal/day): 2,720.865 gals/day galvanized

2,971.3436 gals/day aluminum

Maximum flow rate(gal/day): 7,069 gallons of wastewater per day

Production rate (ft<sup>2</sup>): 70,069,540 million ft<sup>2</sup> Aluminum

6,608,943 million ft<sup>2</sup> galvanized

Allowable Limits per Day and per Period

465.25 Pretreatment standards for the Galvanized waste stream

PSNS		
Pollutant	One Day Max	Monthly Avg Max
Chromium	.027	.011
Copper	.090	.043
Cyanide	.015	.006
Zinc	.072	.030

Total Reported production 6,608,943 ft<sup>2</sup>

Production Per Day: .2753 million ft<sup>2</sup> /day

Pollutant	One Day Maximum (lb)	Monthly Average Maximum (lb)
Chromium	.0074	.0030
Copper	.0247	.0118
Cyanide	.0041	.0016
Zinc	.0198	.0082

Flow reported during the period per day=

58047 gal / 24 days= 2418.645 gals day

.002418 million gal/day

.002418 X 8.34 lb= .02001 ( pounds

.2753 million ft<sup>2</sup> / produced per day divided by .02001= 13.758

Pollutant	One Day Maximum (mg/L)	Monthly Average Maximum (mg/L)
Chromium	.3714	.151
Copper	1.238	.59159
Cyanide	.20637	.0825
Zinc	.9905	.4127

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465.35 Pretreatment standards for the Aluminum waste stream:

PSNS		
Pollutant	One Day Maximum	Monthly Average Maximum
Chromium	.037	.015
Cyanide	.020	.008
Zinc	.100	.041

Total Production : 70,069,540 ft<sup>2</sup>

Production per day: 0.89832 million ft<sup>2</sup> /day

Pollutant	One Day Maximum (lb)	Monthly Average Maximum (lb)
Chromium	.03323	.01347
Cyanide	.01796	.00718
Zinc	.0898	.0368

Flow reported during the period per day=

213488 gal / 78 production days = 2,737 gals day

.002737 million gal/day



.002737 X 8.34 lb= .022768 ( pounds per day)

.89832million ft<sup>2</sup> / produced per day divided by .022768=39.455

Pollutant	One Day Maximum (mg/L)	Monthly Average Maximum (mg/L)
Chromium	1.459	.59182
Cyanide	.789	.31564
Zinc	3.9455	1.617655

### **Measured Pollutants vs. Concentration Limits**

		Concentration (mg/L)			
		One Day Maximum	Maximum Measured	Monthly Average Maximum	Monthly Average Measured
Galvanized CFR 465.25	Cr	.3714	.0079	.151	.0079
	Cu	1.238	.0073	.59159	.0073
	CN	.20637	<.01	.0825	<.01
	Zn	.9905	.14	.4127	.14
Aluminum CFR 465.35	Cr	1.459	.0082	.59182	.0082
	CN	.789	<.01	.31564	<.01
	Zn	3.9455	.14	1.617655	.14



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

This report contains the analytical results and supporting information for samples submitted on August 10, 2017. 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 Chief Operating Officer or a qualified designee.

A handwritten signature in black ink that reads 'Steve Bradford'.

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Steve Bradford  
Deputy Laboratory Director

This document has been distributed to the following:

PDF cc: Amerimax Coated Products, Inc  
ATTN: Ms. Teresa Melton  
tmelton@amerimax.com



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

### SAMPLE INFORMATION

#### Project Description:

Two (2) water sample(s) received on August 10, 2017  
P.O. No. Exp046 080817tm 1

#### 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>
215270-1	11110 Steel	01-Aug-2017 1630	1
215270-2	32314 Steel	01-Aug-2017 1630	

#### Notes:

1. Received temperature of samples did not meet regulatory requirements

#### 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).

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

**ANALYTICAL RESULTS**

**AIC No. 215270-1**

**Sample Identification:** 11110 Steel 01-Aug-2017 1630

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
<b>Total Cyanide</b> SM 4500-CN C,E 1999	<b>&lt; 0.01</b> Analyzed: 14-Aug-2017 1615 by 300	<b>0.01</b> Analyzed: 14-Aug-2017 1615 by 300	<b>mg/l</b> Batch: W60891	

**AIC No. 215270-2**

**Sample Identification:** 32314 Steel 01-Aug-2017 1630

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
<b>Aluminum</b> EPA 200.7	<b>12</b> Prep: 10-Aug-2017 1352 by 235 Analyzed: 11-Aug-2017 1452 by 328	<b>0.04</b> Analyzed: 11-Aug-2017 1452 by 328	<b>mg/l</b> Batch: S43710	
<b>Arsenic</b> EPA 200.7	<b>&lt; 0.05</b> Prep: 10-Aug-2017 1352 by 235 Analyzed: 11-Aug-2017 1000 by 328	<b>0.05</b> Analyzed: 11-Aug-2017 1000 by 328	<b>mg/l</b> Batch: S43710	
<b>Chromium</b> EPA 200.7	<b>0.0082</b> Prep: 10-Aug-2017 1352 by 235 Analyzed: 11-Aug-2017 1000 by 328	<b>0.007</b> Analyzed: 11-Aug-2017 1000 by 328	<b>mg/l</b> Batch: S43710	
<b>Copper</b> EPA 200.7	<b>&lt; 0.006</b> Prep: 10-Aug-2017 1352 by 235 Analyzed: 11-Aug-2017 1000 by 328	<b>0.006</b> Analyzed: 11-Aug-2017 1000 by 328	<b>mg/l</b> Batch: S43710	
<b>Iron</b> EPA 200.7	<b>6.8</b> Prep: 10-Aug-2017 1352 by 235 Analyzed: 11-Aug-2017 1000 by 328	<b>0.02</b> Analyzed: 11-Aug-2017 1000 by 328	<b>mg/l</b> Batch: S43710	
<b>Nickel</b> EPA 200.7	<b>0.13</b> Prep: 10-Aug-2017 1352 by 235 Analyzed: 11-Aug-2017 1000 by 328	<b>0.01</b> Analyzed: 11-Aug-2017 1000 by 328	<b>mg/l</b> Batch: S43710	
<b>Zinc</b> EPA 200.7	<b>0.14</b> Prep: 10-Aug-2017 1352 by 235 Analyzed: 11-Aug-2017 1000 by 328	<b>0.004</b> Analyzed: 11-Aug-2017 1000 by 328	<b>mg/l</b> Batch: S43710	

Amerimax Coated Products, Inc  
215 Phillips Road 324  
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	99.4	85.0-115			W60891	14Aug17 0808 by 300	14Aug17 1605 by 300		
Aluminum	5 mg/l	95.2	85.0-115			S43710	10Aug17 1352 by 235	11Aug17 1442 by 328		
Arsenic	5 mg/l	104	85.0-115			S43710	10Aug17 1352 by 235	11Aug17 0947 by 328		
Chromium	0.5 mg/l	101	85.0-115			S43710	10Aug17 1352 by 235	11Aug17 0947 by 328		
Copper	0.5 mg/l	97.8	85.0-115			S43710	10Aug17 1352 by 235	11Aug17 0947 by 328		
Iron	5 mg/l	101	85.0-115			S43710	10Aug17 1352 by 235	11Aug17 0947 by 328		
Nickel	0.5 mg/l	97.5	85.0-115			S43710	10Aug17 1352 by 235	11Aug17 0947 by 328		
Zinc	0.5 mg/l	101	85.0-115			S43710	10Aug17 1352 by 235	11Aug17 0947 by 328		

**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	215343-5	0.1 mg/l	97.5	75.0-125	W60891	14Aug17 0808 by 300	14Aug17 1609 by 300		
	215343-5	0.1 mg/l	88.3	75.0-125	W60891	14Aug17 0808 by 300	14Aug17 1611 by 300		
	Relative Percent Difference:		9.50	20.0	W60891				
Aluminum	215270-2	5 mg/l	75.7	75.0-125	S43710	10Aug17 1352 by 235	11Aug17 1445 by 328		
	215270-2	5 mg/l	79.7	75.0-125	S43710	10Aug17 1352 by 235	11Aug17 1449 by 328		
	Relative Percent Difference:		1.29	20.0	S43710				
Arsenic	215270-2	5 mg/l	99.2	75.0-125	S43710	10Aug17 1352 by 235	11Aug17 0951 by 328		
	215270-2	5 mg/l	99.9	75.0-125	S43710	10Aug17 1352 by 235	11Aug17 0955 by 328		
	Relative Percent Difference:		0.671	20.0	S43710				
Chromium	215270-2	0.5 mg/l	93.0	75.0-125	S43710	10Aug17 1352 by 235	11Aug17 0951 by 328		
	215270-2	0.5 mg/l	93.3	75.0-125	S43710	10Aug17 1352 by 235	11Aug17 0955 by 328		
	Relative Percent Difference:		0.327	20.0	S43710				
Copper	215270-2	0.5 mg/l	95.2	75.0-125	S43710	10Aug17 1352 by 235	11Aug17 0951 by 328		
	215270-2	0.5 mg/l	96.5	75.0-125	S43710	10Aug17 1352 by 235	11Aug17 0955 by 328		
	Relative Percent Difference:		1.38	20.0	S43710				
Iron	215270-2	5 mg/l	93.6	75.0-125	S43710	10Aug17 1352 by 235	11Aug17 0951 by 328		
	215270-2	5 mg/l	95.6	75.0-125	S43710	10Aug17 1352 by 235	11Aug17 0955 by 328		
	Relative Percent Difference:		0.723	20.0	S43710				
Nickel	215270-2	0.5 mg/l	89.0	75.0-125	S43710	10Aug17 1352 by 235	11Aug17 0951 by 328		
	215270-2	0.5 mg/l	89.6	75.0-125	S43710	10Aug17 1352 by 235	11Aug17 0955 by 328		
	Relative Percent Difference:		0.542	20.0	S43710				
Zinc	215270-2	0.5 mg/l	96.5	75.0-125	S43710	10Aug17 1352 by 235	11Aug17 0951 by 328		
	215270-2	0.5 mg/l	97.0	75.0-125	S43710	10Aug17 1352 by 235	11Aug17 0955 by 328		
	Relative Percent Difference:		0.372	20.0	S43710				



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

**LABORATORY BLANK RESULTS**

<b>Analyte</b>	<b>Result</b>	<b>RL</b>	<b>PQL</b>	<b>QC Sample</b>	<b>Preparation Date</b>	<b>Analysis Date</b>	<b>Qual</b>
Total Cyanide	< 0.01 mg/l	0.01	0.01	W60891-1	14Aug17 0808 by 300	14Aug17 1603 by 300	
Aluminum	< 0.04 mg/l	0.04	0.04	S43710-1	10Aug17 1352 by 235	11Aug17 1440 by 328	
Arsenic	< 0.05 mg/l	0.05	0.05	S43710-1	10Aug17 1352 by 235	11Aug17 0943 by 328	
Chromium	< 0.007 mg/l	0.007	0.007	S43710-1	10Aug17 1352 by 235	11Aug17 0943 by 328	
Copper	< 0.006 mg/l	0.006	0.006	S43710-1	10Aug17 1352 by 235	11Aug17 0943 by 328	
Iron	< 0.02 mg/l	0.02	0.02	S43710-1	10Aug17 1352 by 235	11Aug17 0943 by 328	
Nickel	< 0.01 mg/l	0.01	0.01	S43710-1	10Aug17 1352 by 235	11Aug17 0943 by 328	
Zinc	< 0.004 mg/l	0.004	0.004	S43710-1	10Aug17 1352 by 235	11Aug17 0943 by 328	

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client: <u>Amerimax</u>			PO No. <u>EXP046</u>		NO OF BOTTLES	ANALYSES REQUESTED										AIC CONTROL NO: <u>215270</u>		
Project Reference:			<u>080817tm 1</u>													AIC PROPOSAL NO:		
Project Manager: <u>Teresa Melton</u>			MATRIX													Carrier: <u>Fedex</u>		
Sampled By: <u>Eddie Little</u>			G R A B	C O M P	W A T E R	S O I L											Received Temperature C <u>22.6</u>	
AIC No.	Sample Identification	Date/Time Collected															Remarks	
<u>1</u>	<u>11110</u>	<u>8/1/17 16:30</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>1 CNT</u>										<u>Steel</u>	
<u>2</u>	<u>32314</u>	<u>8/1/17/16:30</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>1 AL AS CR CU FE NI ZN</u>										<u>Steel</u>	
Container Type													Field pH calibration 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 <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> , NH <sub>4</sub> OH							
Turnaround Time Requested: (Please circle) <u>NORMAL</u> or EXPEDITED IN _____ DAYS					Relinquished By:		Date/Time		Received By:		Date/Time							
Expedited results requested by: _____					Relinquished By:		Date/Time		Received in Lab By:		Date/Time							
Who should AIC contact with questions: Phone: <u>870-450-1100</u> Fax: _____					Comments:				<u>40332</u>		<u>8-10-17 0845</u>							
Report Attention to: <u>Teresa Melton</u>																		
Report Address to: <u>215 Phillips 304 Road Helena, AR 72432</u>																		
Email Address: <u>tmelton@amerimax.com</u>																		



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

This report contains the analytical results and supporting information for samples submitted on August 10, 2017. 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 Chief Operating Officer or a qualified designee.

A handwritten signature in black ink that reads 'Steve Bradford'. The signature is written in a cursive style and is positioned above a horizontal line.

Steve Bradford  
Deputy Laboratory Director

This document has been distributed to the following:

PDF cc: Amerimax Coated Products, Inc  
ATTN: Ms. Teresa Melton  
tmelton@amerimax.com





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

**SAMPLE INFORMATION**

**Project Description:**

Two (2) water sample(s) received on August 10, 2017  
P.O. No. EXP046080817tm; EXP046080817tm1

**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>
215283-1	11113 ALUM	02-Aug-2017 1100	
215283-2	32312 ALUM	02-Aug-2017 1100	

**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).

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**ANALYTICAL RESULTS**

**AIC No. 215283-1**

**Sample Identification:** 11113 ALUM 02-Aug-2017 1100

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
<b>Total Cyanide</b> SM 4500-CN C,E 1999	<b>&lt; 0.01</b> Analyzed: 14-Aug-2017 1619 by 300	<b>0.01</b> Analyzed: 14-Aug-2017 1619 by 300	<b>mg/l</b> Batch: W60891	

**AIC No. 215283-2**

**Sample Identification:** 32312 ALUM 02-Aug-2017 1100

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
<b>Aluminum</b> EPA 200.7	<b>12</b> Analyzed: 14-Aug-2017 1849 by 328	<b>0.04</b> Analyzed: 14-Aug-2017 1849 by 328	<b>mg/l</b> Batch: S43722	
<b>Arsenic</b> EPA 200.7	<b>&lt; 0.05</b> Analyzed: 14-Aug-2017 1849 by 328	<b>0.05</b> Analyzed: 14-Aug-2017 1849 by 328	<b>mg/l</b> Batch: S43722	
<b>Chromium</b> EPA 200.7	<b>0.0079</b> Analyzed: 14-Aug-2017 1849 by 328	<b>0.007</b> Analyzed: 14-Aug-2017 1849 by 328	<b>mg/l</b> Batch: S43722	
<b>Copper</b> EPA 200.7	<b>0.0073</b> Analyzed: 14-Aug-2017 1849 by 328	<b>0.006</b> Analyzed: 14-Aug-2017 1849 by 328	<b>mg/l</b> Batch: S43722	
<b>Iron</b> EPA 200.7	<b>6.8</b> Analyzed: 14-Aug-2017 1849 by 328	<b>0.02</b> Analyzed: 14-Aug-2017 1849 by 328	<b>mg/l</b> Batch: S43722	
<b>Nickel</b> EPA 200.7	<b>0.13</b> Analyzed: 14-Aug-2017 1849 by 328	<b>0.01</b> Analyzed: 14-Aug-2017 1849 by 328	<b>mg/l</b> Batch: S43722	
<b>Zinc</b> EPA 200.7	<b>0.14</b> Analyzed: 14-Aug-2017 1849 by 328	<b>0.004</b> Analyzed: 14-Aug-2017 1849 by 328	<b>mg/l</b> Batch: S43722	

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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	0.1 mg/l	99.4	85.0-115			W60891	14Aug17 0808 by 300	14Aug17 1605 by 300		
Aluminum	5 mg/l	98.6	85.0-115			S43722	11Aug17 1352 by 285	14Aug17 1825 by 328		
Arsenic	5 mg/l	102	85.0-115			S43722	11Aug17 1352 by 285	14Aug17 1825 by 328		
Chromium	0.5 mg/l	99.6	85.0-115			S43722	11Aug17 1352 by 285	14Aug17 1825 by 328		
Copper	0.5 mg/l	95.2	85.0-115			S43722	11Aug17 1352 by 285	14Aug17 1825 by 328		
Iron	5 mg/l	100	85.0-115			S43722	11Aug17 1352 by 285	14Aug17 1825 by 328		
Nickel	0.5 mg/l	96.8	85.0-115			S43722	11Aug17 1352 by 285	14Aug17 1825 by 328		
Zinc	0.5 mg/l	98.0	85.0-115			S43722	11Aug17 1352 by 285	14Aug17 1825 by 328		

**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	215343-5	0.1 mg/l	97.5	75.0-125	W60891	14Aug17 0808 by 300	14Aug17 1609 by 300		
	215343-5	0.1 mg/l	88.3	75.0-125	W60891	14Aug17 0808 by 300	14Aug17 1611 by 300		
	Relative Percent Difference:		9.50	20.0	W60891				
Aluminum	215294-1	5 mg/l	96.3	75.0-125	S43722	11Aug17 1352 by 285	14Aug17 1829 by 328		
	215294-1	5 mg/l	97.1	75.0-125	S43722	11Aug17 1352 by 285	14Aug17 1834 by 328		
	Relative Percent Difference:		0.816	20.0	S43722				
Arsenic	215294-1	5 mg/l	103	75.0-125	S43722	11Aug17 1352 by 285	14Aug17 1829 by 328		
	215294-1	5 mg/l	103	75.0-125	S43722	11Aug17 1352 by 285	14Aug17 1834 by 328		
	Relative Percent Difference:		0.194	20.0	S43722				
Chromium	215294-1	0.5 mg/l	98.4	75.0-125	S43722	11Aug17 1352 by 285	14Aug17 1829 by 328		
	215294-1	0.5 mg/l	98.2	75.0-125	S43722	11Aug17 1352 by 285	14Aug17 1834 by 328		
	Relative Percent Difference:		0.203	20.0	S43722				
Copper	215294-1	0.5 mg/l	97.0	75.0-125	S43722	11Aug17 1352 by 285	14Aug17 1829 by 328		
	215294-1	0.5 mg/l	97.6	75.0-125	S43722	11Aug17 1352 by 285	14Aug17 1834 by 328		
	Relative Percent Difference:		0.599	20.0	S43722				
Iron	215294-1	5 mg/l	98.0	75.0-125	S43722	11Aug17 1352 by 285	14Aug17 1829 by 328		
	215294-1	5 mg/l	98.8	75.0-125	S43722	11Aug17 1352 by 285	14Aug17 1834 by 328		
	Relative Percent Difference:		0.800	20.0	S43722				
Nickel	215294-1	0.5 mg/l	95.2	75.0-125	S43722	11Aug17 1352 by 285	14Aug17 1829 by 328		
	215294-1	0.5 mg/l	95.6	75.0-125	S43722	11Aug17 1352 by 285	14Aug17 1834 by 328		
	Relative Percent Difference:		0.417	20.0	S43722				
Zinc	215294-1	0.5 mg/l	97.4	75.0-125	S43722	11Aug17 1352 by 285	14Aug17 1829 by 328		
	215294-1	0.5 mg/l	97.8	75.0-125	S43722	11Aug17 1352 by 285	14Aug17 1834 by 328		
	Relative Percent Difference:		0.391	20.0	S43722				



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**LABORATORY BLANK RESULTS**

<b>Analyte</b>	<b>Result</b>	<b>RL</b>	<b>PQL</b>	<b>QC Sample</b>	<b>Preparation Date</b>	<b>Analysis Date</b>	<b>Qual</b>
Total Cyanide	< 0.01 mg/l	0.01	0.01	W60891-1	14Aug17 0808 by 300	14Aug17 1603 by 300	
Aluminum	< 0.04 mg/l	0.04	0.04	S43722-1	11Aug17 1352 by 285	14Aug17 1820 by 328	
Arsenic	< 0.05 mg/l	0.05	0.05	S43722-1	11Aug17 1352 by 285	14Aug17 1820 by 328	
Chromium	< 0.007 mg/l	0.007	0.007	S43722-1	11Aug17 1352 by 285	14Aug17 1820 by 328	
Copper	< 0.006 mg/l	0.006	0.006	S43722-1	11Aug17 1352 by 285	14Aug17 1820 by 328	
Iron	< 0.02 mg/l	0.02	0.02	S43722-1	11Aug17 1352 by 285	14Aug17 1820 by 328	
Nickel	< 0.01 mg/l	0.01	0.01	S43722-1	11Aug17 1352 by 285	14Aug17 1820 by 328	
Zinc	< 0.004 mg/l	0.004	0.004	S43722-1	11Aug17 1352 by 285	14Aug17 1820 by 328	



CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client: <b>Amerimax</b>			PO No. <b>EXP 046</b> <b>080817TM</b>		NO OF BOTTLES	ANALYSES REQUESTED										AIC CONTROL NO: <b>215283</b>			
Project Reference:			MATRIX													AIC PROPOSAL NO:			
Project Manager: <b>Teresa Melton</b>			G R A B	C O M P	W A T E R	S O I L											Carrier:		
Sampled By: <b>Eddie Little</b>																	Received Temperature C		
AIC No.	Sample Identification	Date/Time Collected															Remarks		
1	11113	<del>10/28/17</del> 8/2/17	✓		✓		1	CNT											ALUM
2	32312	8/2/17	✓		✓		1	AL AS CB CU FE NI ZN											ALUM
		Container Type															Field pH calibration 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 <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> , NH <sub>4</sub> OH						
Turnaround Time Requested: (Please circle) <b>NORMAL</b> or EXPEDITED IN _____ DAYS					Relinquished By: <b>T. Melton</b>		Date/Time: <b>8/8/17 1:30 pm</b>		Received By:		Date/Time:								
Expedited results requested by: _____					Relinquished By:		Date/Time:		Received in Lab By:		Date/Time: <b>8-10-17 0845</b>								
Who should AIC contact with questions: Phone: 870-450-7432 Fax: _____					Comments:														
Report Attention to: <b>Teresa Melton</b> Report Address to: <b>215 Phillips 324 Road</b> <b>Nelms, AR 72342</b>																			
Email Address: <b>tmelton@amerimax.com</b>																			