

Gage, Hannah

From: Gilliam, Allen
Sent: Monday, October 10, 2016 11:48 AM
To: 'Seth Gately'; 'tmelton@amerimax.com'; 'mstrozensky@euramax.com'
Cc: Gage, Hannah; McWilliams, Carrie; Leamons, Bryan; Yates, Adam; Healey, Richard; Terry McGinister (helenawater@sbcglobal.net)
Subject: AR0043389_Euramax ARP001044 Late Aug 2016 semi annual Pretreatment report_20161010
Attachments: August 2016 Semi Annual Waste Water Report v01.02 (compiled).pdf

Seth,

Euramax' late August 2016 semi-annual Pretreatment report was electronically received, reviewed, deemed complete and compliant with the reporting requirements in 40 CFR 403.12(e) and more specifically in compliance with the production based standards (converted to alternative concentration based limits) in 40 CFRs 465.25 and 465.35, the Coil Coating Pretreatment standards Subparts B (Galvanized Basis) and C (Aluminum Basis).

Please closely watch treatment for Zn as the analysis shows the reported value (1.5 mg/L) very near the maximum monthly average (1.79 mg/L) for the Galvanized Basis alternative concentration limits.

A spot check (for Cr) of your conversion from production based standards to alternative concentration limits showed your series of calculations to be correct although you've mixed liters (metric units) into the calculations when you have regulated wastewater measured in gallons (English units) which is slightly confusing. Please continue to supply these calculations on each semi-annual report.

Sincerely,

Allen Gilliam
ADEQ State Pretreatment Coordinator
501.682.0625

ec: Terry McGinister, Helena General Manager
Richard Healey, NPDES Enforcement Branch Manager

E/NPDES/NPDES/Pretreatment/Reports

From: Seth Gately [<mailto:SGately@trinityconsultants.com>]
Sent: Monday, October 10, 2016 10:15 AM
To: Gilliam, Allen
Subject: RE: AR0043389_Euramax ARP001044 Aug 2016 semi annual Pretreatment report

Mr. Gilliam,

Attached is the pre-treatment report for Euramax in Helena, AR.

Thank you very much,
Seth Gately

.....

Seth Gately

Consultant

Trinity Consultants

11225 Huron Lane, Suite 212 | Little Rock, Arkansas 72211

Office: **501-225-6400 x108**

- Email: sgately@trinityconsultants.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

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

B. FACILITY & LOCATION ADDRESS

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

C. FACILITY CONTACT: **Teresa Melton**

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

August & February

B. PERIOD COVERED BY THIS REPORT

FROM: **February 2016** **TO:** **July 2016**

(3) DESCRIPTION OF OPERATION

A. REGULATED PROCESSES

40 CFR Part 465 -- Coil Coating Point Source Category

<u>PROCESS*</u>	<u>PROD'N RATE(S)</u>	<u>PROD'N DAYS</u>
	Total for Six Months	Number of Operating Days
Subpart A Steel	<u>N/P</u>	<u> </u>
Subpart B Galv	<u>12,057,454 ft²</u>	<u>28</u>
Subpart C Alum	<u>94,356,387 ft²</u>	<u>99</u>
Subpart D Canmak	<u>N/P</u>	<u> </u>

*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	867.6	10,609.0		29
Regulated: Alum Basis	1,979.4	10,609.0		118
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

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.

Pollutant	Galvanized basis (CFR 465.25)					Aluminum basis (CFR 465.35)		
	Cr	Cu	CN	Zn		Cr	CN	Zn
Max for 1 day (mg/l)	1.61	5.36	0.89	4.29		2.14	1.15	5.77
Max for Monthly Avg (mg/l)	0.65	2.56	0.36	1.79		0.87	0.46	2.37
Max Measured (mg/l)	0.062	0.0062	<0.01	1.5		0.025	<0.01	0.099
*Avg Monthly Measured (mg/l)	0.062	0.0062	<0.01	1.5		0.025	<0.01	0.099

* 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.

(Typed Name)

(Corporate Officer or authorized representative signature)

Date of Signature _____

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(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.

Teresa Melton
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE



SIGNATURE

Quality, Environmental, Health and Safety Manager
OFFICIAL TITLE

10/6/16
DATE SIGNED

Euramax Flows and Rates for the Period

Number of days in period =	99	days aluminum was run
	28	days galvanized was run
Total flow (L) =	742,286	liters of aluminum waste water
	92,015	liters of galvanized waste water
Average flow (gal/day) =	1,979.4	gallons of aluminum waste water per day
	867.6	gallons of galvanized waste water per day
Maximum flow (gal/day)	10,609.0	gallons of waste water per day
Production Rate (ft ²) =	Aluminum 94.356	Galvanized 12.057 million ft ²

Allowable Limits per Day and per Period

465.25 Pretreatment standards for the Galvanized wastestream:

Pollutant	PSNS (lb/1 million ft ² of area processed)	
	One Day Maximum	Monthly Average Maximum
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 =	production (million ft ²) days in period	PSNS maximum (lb/million ft ²)
	12.06 million square feet 28 days	PSNS maximum (lb/million ft ²)

Total Reported Production: 12.057 million ft²
 Production per Day: 0.4306 million ft²/day

Pollutant	One Day Maximum (lb)	Monthly Average Maximum (lb)
Chromium	0.0116	0.0047
Copper	0.0388	0.0185
Cyanide	0.0065	0.0026
Zinc	0.0310	0.0129

Flow reported during the period per day =

total flow (L)	0.264 gal	1 million gal	=	million gal
days in period	liter	1,000,000 gal		day
92,015 Liters	0.264 gal	1 million gal	=	0.000868 million gal
28 days	liter	1,000,000 gal		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) =	maximum (lb)	1 gal 8.34 lb	0.000868 million gallons
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Pollutant	One Day Maximum (mg/L)	Monthly Average Maximum (mg/L)
Chromium	1.607	0.655
Copper	5.356	2.559
Cyanide	0.893	0.357
Zinc	4.285	1.785

465.35 Pretreatment standards for the Aluminum wastestream:

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

The mass limitations for the aluminum line =	production (million ft ²)	PSNS maximum (lb/million ft ²)
	days in period	
	94.36 million square feet	PSNS maximum (lb/million ft ²)
	99 days	

Total Reported Production: 94.356 million ft²
 Production per Day: 0.9531 million ft²/day

Pollutant	One Day Maximum (lb)	Monthly Average Maximum (lb)
Chromium	0.0353	0.0143
Cyanide	0.0191	0.0076
Zinc	0.0953	0.0391

Flow reported during the period per day =

total flow (L)	0.264 gal	1 million gal	=	million gal
days in period	liter	1,000,000 gal		day
742,286 Liters	0.264 gal	1 million gal	=	0.001979 million gal
99 days	liter	1,000,000 gal		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) =	maximum (lb)	1 gal	
		8.34 lb	0.001979 million gallons

Pollutant	One Day Maximum (mg/L)	Monthly Average Maximum (mg/L)
Chromium	2.136	0.866
Cyanide	1.155	0.462
Zinc	5.773	2.367

Measured Pollutants vs. Concentration Limits

		Concentration (mg/L)			
		One Day Maximum	Maximum Measured	Monthly Average Maximum	Monthly Average Measured
Galvanized CFR 465.25	Cr	1.61	0.062	0.65	0.062
	Cu	5.36	0.0062	2.56	0.0062
	CN	0.89	<0.01	0.36	<0.01
	Zn	4.29	1.5	1.79	1.5
Aluminum CFR 465.35	Cr	2.14	0.025	0.87	0.025
	CN	1.15	<0.01	0.46	<0.01
	Zn	5.77	0.099	2.37	0.099

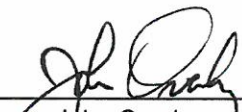


Amerimax Coated Products, Inc
ATTN: Ms. Teresa Melton
215 Phillips Road 324
Helena, AR 72342

This report contains the analytical results and supporting information for the sample submitted on August 17, 2016. 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.



John Overbey
Chief Operating Officer

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:

One (1) water sample(s) received on August 17, 2016
P.O. No. exp046080816tam

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>
204781-1	Alum-treated	11-Aug-2016 0930	

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. 204781-1

Sample Identification: Alum-treated 11-Aug-2016 0930

<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: 18-Aug-2016 1003 by 319	Analyzed: 18-Aug-2016 1454 by 319		Batch: W56877	
Aluminum EPA 200.7	1.1	0.04	mg/l	
Prep: 17-Aug-2016 1132 by 313	Analyzed: 17-Aug-2016 1604 by 308		Batch: S41594	
Arsenic EPA 200.7	< 0.05	0.05	mg/l	
Prep: 17-Aug-2016 1132 by 313	Analyzed: 17-Aug-2016 1604 by 308		Batch: S41594	
Chromium EPA 200.7	0.025	0.007	mg/l	
Prep: 17-Aug-2016 1132 by 313	Analyzed: 17-Aug-2016 1604 by 308		Batch: S41594	
Copper EPA 200.7	< 0.006	0.006	mg/l	
Prep: 17-Aug-2016 1132 by 313	Analyzed: 17-Aug-2016 1604 by 308		Batch: S41594	
Iron EPA 200.7	1.3	0.02	mg/l	
Prep: 17-Aug-2016 1132 by 313	Analyzed: 17-Aug-2016 1604 by 308		Batch: S41594	
Nickel EPA 200.7	0.30	0.01	mg/l	
Prep: 17-Aug-2016 1132 by 313	Analyzed: 17-Aug-2016 1604 by 308		Batch: S41594	
Zinc EPA 200.7	0.099	0.002	mg/l	
Prep: 17-Aug-2016 1132 by 313	Analyzed: 17-Aug-2016 1604 by 308		Batch: S41594	



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	89.3	85.0-115			W56877	18Aug16 1003 by 319	18Aug16 1442 by 319		
Aluminum	5 mg/l	100	85.0-115			S41594	17Aug16 0833 by 313	17Aug16 1434 by 308		
Arsenic	5 mg/l	101	85.0-115			S41594	17Aug16 0833 by 313	17Aug16 1434 by 308		
Chromium	0.5 mg/l	98.1	85.0-115			S41594	17Aug16 0833 by 313	17Aug16 1434 by 308		
Copper	0.5 mg/l	93.2	85.0-115			S41594	17Aug16 0833 by 313	17Aug16 1434 by 308		
Iron	5 mg/l	98.2	85.0-115			S41594	17Aug16 0833 by 313	17Aug16 1434 by 308		
Nickel	0.5 mg/l	97.9	85.0-115			S41594	17Aug16 0833 by 313	17Aug16 1434 by 308		
Zinc	0.5 mg/l	98.4	85.0-115			S41594	17Aug16 0833 by 313	17Aug16 1434 by 308		

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	204776-1	0.1 mg/l	90.1	75.0-125	W56877	18Aug16 1003 by 319	18Aug16 1445 by 319		
	204776-1	0.1 mg/l	88.5	75.0-125	W56877	18Aug16 1003 by 319	18Aug16 1447 by 319		
	Relative Percent Difference:		1.79	20.0	W56877				
Aluminum	204768-1	5 mg/l	104	75.0-125	S41594	17Aug16 0833 by 313	17Aug16 1438 by 308		
	204768-1	5 mg/l	101	75.0-125	S41594	17Aug16 0833 by 313	17Aug16 1441 by 308		
	Relative Percent Difference:		2.27	20.0	S41594				
Arsenic	204768-1	5 mg/l	100	75.0-125	S41594	17Aug16 0833 by 313	17Aug16 1438 by 308		
	204768-1	5 mg/l	97.9	75.0-125	S41594	17Aug16 0833 by 313	17Aug16 1441 by 308		
	Relative Percent Difference:		2.44	20.0	S41594				
Chromium	204768-1	0.5 mg/l	93.7	75.0-125	S41594	17Aug16 0833 by 313	17Aug16 1438 by 308		
	204768-1	0.5 mg/l	91.3	75.0-125	S41594	17Aug16 0833 by 313	17Aug16 1441 by 308		
	Relative Percent Difference:		2.58	20.0	S41594				
Copper	204768-1	0.5 mg/l	91.6	75.0-125	S41594	17Aug16 0833 by 313	17Aug16 1438 by 308		
	204768-1	0.5 mg/l	89.4	75.0-125	S41594	17Aug16 0833 by 313	17Aug16 1441 by 308		
	Relative Percent Difference:		2.38	20.0	S41594				
Iron	204768-1	5 mg/l	92.9	75.0-125	S41594	17Aug16 0833 by 313	17Aug16 1438 by 308		
	204768-1	5 mg/l	91.0	75.0-125	S41594	17Aug16 0833 by 313	17Aug16 1441 by 308		
	Relative Percent Difference:		2.12	20.0	S41594				
Nickel	204768-1	0.5 mg/l	93.2	75.0-125	S41594	17Aug16 0833 by 313	17Aug16 1438 by 308		
	204768-1	0.5 mg/l	90.9	75.0-125	S41594	17Aug16 0833 by 313	17Aug16 1441 by 308		
	Relative Percent Difference:		2.47	20.0	S41594				
Zinc	204768-1	0.5 mg/l	97.1	75.0-125	S41594	17Aug16 0833 by 313	17Aug16 1438 by 308		
	204768-1	0.5 mg/l	94.8	75.0-125	S41594	17Aug16 0833 by 313	17Aug16 1441 by 308		
	Relative Percent Difference:		2.29	20.0	S41594				



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

LABORATORY BLANK RESULTS

Analyte	Result	RL	PQL	QC		Qual
				Sample	Preparation Date	
Total Cyanide	< 0.01 mg/l	0.01	0.01	W56877-1	18Aug16 1003 by 319	18Aug16 1440 by 319
Aluminum	< 0.04 mg/l	0.04	0.04	S41594-1	17Aug16 0833 by 313	17Aug16 1431 by 308
Arsenic	< 0.05 mg/l	0.05	0.05	S41594-1	17Aug16 0833 by 313	17Aug16 1431 by 308
Chromium	< 0.007 mg/l	0.007	0.007	S41594-1	17Aug16 0833 by 313	17Aug16 1431 by 308
Copper	< 0.006 mg/l	0.006	0.006	S41594-1	17Aug16 0833 by 313	17Aug16 1431 by 308
Iron	< 0.02 mg/l	0.02	0.02	S41594-1	17Aug16 0833 by 313	17Aug16 1431 by 308
Nickel	< 0.01 mg/l	0.01	0.01	S41594-1	17Aug16 0833 by 313	17Aug16 1431 by 308
Zinc	< 0.002 mg/l	0.002	0.002	S41594-1	17Aug16 0833 by 313	17Aug16 1431 by 308



CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client: Amesimax		AIC CONTROL NO: 204781		AIC PROPOSAL NO:	
Project Reference:		Carrier:		Received Temperature C 0.1	
Project Manager:		Remarks		Container Type: P	
Sampled By: Walker Jordan		Container Type: N		Preservative: N	
AIC No.		Container Type: P		Preservative: B	
Sample Identification		Date/Time Collected			
1 (A) Mun-treated		11 AUG 9:30 AM			
1 (C) Mun-treated		11 AUG 9:30 AM			
NO OF BOTTLES		ANALYSES REQUESTED		Field pH calibration on @	
PO No. Ex 0096		Matrix		Buffer:	
080816 T Am		WATER		T = Sodium Thiosulfate	
		SOIL		Z = Zinc acetate	
		COMB		H = HCl to pH2	
		GRAB		B = NaOH to pH12	
				V = VOA vials	
				N = Nitric acid pH2	
				Relinquished By: Upton-Rebbias, Jason	
				Date/Time: 16 AUG / 10:00 AM	
				Received By: [Signature]	
				Date/Time: 01/16/05	
				Received in Lab By: [Signature]	
				Date/Time: 01/16/05	
				Comments: FILE # 7770 01635378	



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 the sample submitted on September 19, 2016. 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.



John Overbey
Chief Operating Officer

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:

One (1) water sample(s) received on September 19, 2016
P.O. No. EXP092316TM

Receipt Details:

A Chain of Custody was not 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>
205686-1	Treated Steel	08-Sep-2016 0900	1

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. 205686-1

Sample Identification: Treated Steel 08-Sep-2016 0900

<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: 21-Sep-2016 1026 by 319	Analyzed: 21-Sep-2016 1420 by 319		Batch: W57229	
Aluminum EPA 200.7	1.7	0.04	mg/l	
Prep: 20-Sep-2016 1657 by 313	Analyzed: 22-Sep-2016 1549 by 308		Batch: S41764	
Arsenic EPA 200.7	< 0.05	0.05	mg/l	
Prep: 20-Sep-2016 1657 by 313	Analyzed: 22-Sep-2016 1549 by 308		Batch: S41764	
Chromium EPA 200.7	0.062	0.007	mg/l	
Prep: 20-Sep-2016 1657 by 313	Analyzed: 22-Sep-2016 1549 by 308		Batch: S41764	
Copper EPA 200.7	0.0062	0.006	mg/l	
Prep: 20-Sep-2016 1657 by 313	Analyzed: 22-Sep-2016 1549 by 308		Batch: S41764	
Iron EPA 200.7	0.65	0.02	mg/l	
Prep: 20-Sep-2016 1657 by 313	Analyzed: 22-Sep-2016 1549 by 308		Batch: S41764	
Nickel EPA 200.7	4.2	0.01	mg/l	
Prep: 20-Sep-2016 1657 by 313	Analyzed: 22-Sep-2016 1657 by 308		Batch: S41764	
Zinc EPA 200.7	1.5	0.002	mg/l	
Prep: 20-Sep-2016 1657 by 313	Analyzed: 22-Sep-2016 1549 by 308		Batch: S41764	



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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	87.1	85.0-115			W57229	21Sep16 1027 by 319	21Sep16 1409 by 319		
Aluminum	5 mg/l	98.4	85.0-115			S41764	20Sep16 1623 by 313	22Sep16 1449 by 308		
Arsenic	5 mg/l	97.7	85.0-115			S41764	20Sep16 1623 by 313	22Sep16 1449 by 308		
Chromium	0.5 mg/l	97.2	85.0-115			S41764	20Sep16 1623 by 313	22Sep16 1449 by 308		
Copper	0.5 mg/l	91.4	85.0-115			S41764	20Sep16 1623 by 313	22Sep16 1449 by 308		
Iron	5 mg/l	99.2	85.0-115			S41764	20Sep16 1623 by 313	22Sep16 1449 by 308		
Nickel	0.5 mg/l	97.1	85.0-115			S41764	20Sep16 1623 by 313	22Sep16 1636 by 308		
Zinc	0.5 mg/l	95.9	85.0-115			S41764	20Sep16 1623 by 313	22Sep16 1449 by 308		

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	205625-1	0.1 mg/l	78.2	75.0-125	W57229	21Sep16 1027 by 319	21Sep16 1412 by 319		
	205625-1	0.1 mg/l	78.0	75.0-125	W57229	21Sep16 1027 by 319	21Sep16 1414 by 319		
	Relative Percent Difference:		0.256	20.0	W57229				
Aluminum	205674-2	5 mg/l	85.0	75.0-125	S41764	20Sep16 1623 by 313	22Sep16 1453 by 308		
	205674-2	5 mg/l	86.2	75.0-125	S41764	20Sep16 1623 by 313	22Sep16 1456 by 308		
	Relative Percent Difference:		1.36	20.0	S41764				
Arsenic	205674-2	5 mg/l	86.6	75.0-125	S41764	20Sep16 1623 by 313	22Sep16 1453 by 308		
	205674-2	5 mg/l	87.5	75.0-125	S41764	20Sep16 1623 by 313	22Sep16 1456 by 308		
	Relative Percent Difference:		1.07	20.0	S41764				
Chromium	205674-2	0.5 mg/l	76.5	75.0-125	S41764	20Sep16 1623 by 313	22Sep16 1453 by 308		
	205674-2	0.5 mg/l	77.0	75.0-125	S41764	20Sep16 1623 by 313	22Sep16 1456 by 308		
	Relative Percent Difference:		0.770	20.0	S41764				
Copper	205674-2	0.5 mg/l	76.0	75.0-125	S41764	20Sep16 1623 by 313	22Sep16 1453 by 308		
	205674-2	0.5 mg/l	77.0	75.0-125	S41764	20Sep16 1623 by 313	22Sep16 1456 by 308		
	Relative Percent Difference:		1.03	20.0	S41764				
Iron	205674-2	5 mg/l	76.6	75.0-125	S41764	20Sep16 1623 by 313	22Sep16 1453 by 308		
	205674-2	5 mg/l	77.4	75.0-125	S41764	20Sep16 1623 by 313	22Sep16 1456 by 308		
	Relative Percent Difference:		0.883	20.0	S41764				
Nickel	205674-2	0.5 mg/l	101	75.0-125	S41764	20Sep16 1623 by 313	22Sep16 1639 by 308		
	205674-2	0.5 mg/l	101	75.0-125	S41764	20Sep16 1623 by 313	22Sep16 1642 by 308		
	Relative Percent Difference:		0.0407	20.0	S41764				
Zinc	205674-2	0.5 mg/l	79.0	75.0-125	S41764	20Sep16 1623 by 313	22Sep16 1453 by 308		
	205674-2	0.5 mg/l	79.9	75.0-125	S41764	20Sep16 1623 by 313	22Sep16 1456 by 308		
	Relative Percent Difference:		0.930	20.0	S41764				



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LABORATORY BLANK RESULTS

Analyte	Result	RL	PQL	QC		Qual
				Sample	Preparation Date	
Total Cyanide	< 0.01 mg/l	0.01	0.01	W57229-1	21Sep16 1027 by 319	21Sep16 1407 by 319
Aluminum	< 0.04 mg/l	0.04	0.04	S41764-1	20Sep16 1623 by 313	22Sep16 1446 by 308
Arsenic	< 0.05 mg/l	0.05	0.05	S41764-1	20Sep16 1623 by 313	22Sep16 1446 by 308
Chromium	< 0.007 mg/l	0.007	0.007	S41764-1	20Sep16 1623 by 313	22Sep16 1446 by 308
Copper	< 0.006 mg/l	0.006	0.006	S41764-1	20Sep16 1623 by 313	22Sep16 1446 by 308
Iron	< 0.02 mg/l	0.02	0.02	S41764-1	20Sep16 1623 by 313	22Sep16 1446 by 308
Nickel	< 0.01 mg/l	0.01	0.01	S41764-1	20Sep16 1623 by 313	22Sep16 1633 by 308
Zinc	< 0.002 mg/l	0.002	0.002	S41764-1	20Sep16 1623 by 313	22Sep16 1446 by 308

No Chain of Custody Provided