

## Henderson, Katie

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**From:** Torrence, Rufus  
**Sent:** Friday, September 07, 2012 8:13 AM  
**To:** David Seiler  
**Cc:** Henderson, Katie  
**Subject:** AFIN 54-00132 AR0043389 Amerimax August 2012 Semi-Annual Report  
**Attachments:** AMX Aug 2012 SAR Final.pdf



March 5, 2012

Mr. Dave Seiler  
Amerimax Coated Products  
215 Phillips 324 Road  
Helena, AR 72342

Re: Amerimax February 2012 Semi-Annual Report  
(Permit No. AR000043389 AFIN 54-00132)

Dear Mr. Seiler:

The Department has reviewed the Amerimax's February 2012 Semi-annual Pretreatment Report and the report is complete. However, the Department has recommendations to improve future reporting.

The calculated allowable limits in the report were correct even though Amerimax did not properly normalize the flows. If Amerimax used the Excel spreadsheet attached to the Department's email dated July 21, 2011, then flows were not required (only total volumes). The correct normalized flow should be based on the days (182) in the six month period rather than "operating time-days". The correct normalized flow for the aluminum operation is 1773 gpd and for the galvanized operation is 134 gpd. However, the total production days for each operation is the total operating hours divided by 24.

The Department appreciates Amerimax's continued efforts in semi-annual reporting. If you have any questions or concerns, please contact the Department at (501) 682-0626 or by email at [torrence@adeq.state.ar.us](mailto:torrence@adeq.state.ar.us).

Sincerely,



Rufus Torrence, Pretreatment Engineer  
Water Division

ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY  
5301 NORTHSHORE DRIVE • NORTH LITTLE ROCK • ARKANSAS 72118 5317 • TELEPHONE 501 687-0744 / FAX 501 687 0880  
[www.adeq.state.ar.us](http://www.adeq.state.ar.us)

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																		
<b>A. LEGAL NAME &amp; MAILING ADDRESS</b>  Amerimax Coated Products, Inc. 215 Phillips 324 Road Helena, AR 72342	<b>B. FACILITY &amp; LOCATION ADDRESS</b>  Amerimax Coated Products, Inc. 215 Phillips 324 Road Helena, AR 72342																	
<b>C. FACILITY CONTACT:</b> Dave Seiler	<b>TELEPHONE NUMBER:</b> (870) 572-5074																	
(2) REPORTING PERIOD - FISCAL YEAR From Aug. 1 to Jul 31 (Both Semi-Annual Reports must cover Fiscal Year)																		
<b>A. MONTHS WHICH REPORTS ARE DUE</b>  August & February	<b>B. PERIOD COVERED BY THIS REPORT</b>  FROM: March 2012 TO: August 2012																	
(3) DESCRIPTION OF OPERATION																		
<b>A. REGULATED PROCESSES</b>  40 CFR Part 465 -- Coil Coating Point Source Category ①  <table border="1"> <thead> <tr> <th rowspan="2">PROCESS</th> <th>PROD'N RATE(S) ②</th> <th>PROD'N DAYS ③</th> </tr> <tr> <th>Total for Six Months</th> <th>Number of Operating Days</th> </tr> </thead> <tbody> <tr> <td>Subpart A Steel</td> <td>N/P</td> <td></td> </tr> <tr> <td>Subpart B Galv</td> <td>644,715 m<sup>2</sup></td> <td>140.21 X</td> </tr> <tr> <td>Subpart C Alum</td> <td>5,448,473 m<sup>2</sup></td> <td>140.21 X</td> </tr> <tr> <td>Subpart D Canmak</td> <td>N/P</td> <td>280.42 X</td> </tr> </tbody> </table> <p>① There is only one production line in this plant; this line runs both galvanized &amp; aluminum rolls.                      ② Production must be entered into ANPCAN in square feet (10.76 sqft/m<sup>2</sup>) and volume in gallons (3.785 liters/gallon)</p>	PROCESS	PROD'N RATE(S) ②	PROD'N DAYS ③	Total for Six Months	Number of Operating Days	Subpart A Steel	N/P		Subpart B Galv	644,715 m <sup>2</sup>	140.21 X	Subpart C Alum	5,448,473 m <sup>2</sup>	140.21 X	Subpart D Canmak	N/P	280.42 X	<b>B. CHANGES:</b> 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.  AUGUST 2012 SAR Filed at 20120905 Rec'd by email dated 8-31-2014 @ 1:14 pm
PROCESS		PROD'N RATE(S) ②	PROD'N DAYS ③															
	Total for Six Months	Number of Operating Days																
Subpart A Steel	N/P																	
Subpart B Galv	644,715 m <sup>2</sup>	140.21 X																
Subpart C Alum	5,448,473 m <sup>2</sup>	140.21 X																
Subpart D Canmak	N/P	280.42 X																
<b>C. Number of Regular Employees at this Facility</b> 42	<b>D. [Reserved]</b>																	

③ The total number of prod days must be less than 182 days (7 x 26 weeks => 182 days).

**(4) FLOW MEASUREMENT (CON'D)**

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

Reg 2  
Reg 3

Operation	Ave Tot Flow <sup>1</sup>	Max Tot Flow <sup>2</sup>	Type of Discharge	No. Disc Days
Regulated: Steel Basis				
Regulated: Galv Basis	134 <del>2476</del>	12,125		140.2
Regulated: Alum Basis	1773 <del>2476</del>	12,125		140.2
Regulated: Canmaking				
Total Regulated				
§403.6(e) Unregulated <sup>3</sup>				
§403.6(e) Dilute				
Cooling Water				
Sanitary	1,425	1,425	continuous	
Total Flow to POTW			*****	*****

<sup>1</sup> "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.  
<sup>2</sup> "Max Tot 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 40CFR403.6(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.

Pollutant	Cd	Cr	Cu	Pb	Ni	Ag	Zn	O&G	CN	Phen	TTO
MEC (mg/l)		0.81	0.22				2.20		0.43		
AEC (mg/l)		0.32	0.10				0.90		0.17		
AMMC (mg/l)		<0.007 Alum <0.007 Galv	<0.006 Galv				0.27 Alum 0.83 Galv		<0.01 Alum <0.01 Galv		
AMAC (mg/l)		<0.007 Alum <0.007 Galv	<0.006 Galv				0.27 Alum 0.83 Galv		<0.01 Alum <0.01 Galv		

\*Provide Conc for February report; the certification may be submitted for the August report if it is applicable.

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 PROVIDED BELOW  EPA REGION VI CYANIDE CERTIFICATION

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.

David Seiler  
(Typed Name)

*David Seiler*  
(Corporate Officer or authorized representative signature)

Date of Signature 8/31/12

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.

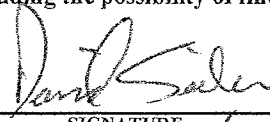
The User may list any new or ongoing Pollution Prevention practices:

**(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.

David Seiler  
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE



SIGNATURE

Plant Manager  
OFFICIAL TITLE

DATE SIGNED

8/31/12

TOTAL	3048.04	268.96	353809	322738.7	24384.3
	Alum Hour:	Galv Hours	Tot Gal	Alum Gal	Galv Gal

### Amerimax Average Flows and Rates for the Six Month Period

	Aluminum	Galvanized
Average Flow (GPD) per Six Months =	1773.3	134.0 gpd
Average Production Rate (sq-ft/day) =	29936.66	3542.4 sq-m/day

### Allowable Limits for the Six Month Period

To Determine the Allowable Limit (mg/l), Amerimax may use actual volumes (liters) and the coated surface area.

Therefore, the volume of wastewater discharged in the six month period for each operation equals:

Alum:	Total Alum gallons X 3.785 liters/gallon =	1221566 liters
Galv:	Total Galv gallons X 3.785 liters/gallon =	92295 liters

The surface area coated for each operation equals:

Alum:	total sq-ft / 10.76 sq-ft/sq-meter =	5448473 sq-meters
Galv:	total sq-ft / 10.76 sq-ft/sq-meter =	644715 sq-meters

The allowable milligrams of metals in the wastewater for the six month period is:

Galvanized		
Chromium:	0.052 mg/sq-m X 644715 sq-m =	33525 mg
Copper:	0.21 mg/sq-m X 644715 sq-m =	135390 mg
Cyanide:	0.028 mg/sq-m X 644715 sq-m =	18052 mg
Zinc:	0.15 mg/sq-m X 644715 sq-m =	96707 mg
Aluminum		
Chromium:	0.072 mg/sq-m X 5448473 sq-m =	392290 mg
Cyanide:	0.038 mg/sq-m X 5448473 sq-m =	207042 mg
Zinc:	0.20 mg/sq-m X 5448473 sq-m =	1089695 mg

The math model assumes two plants (one which coats alum and the other coats galv). We can also assume that all the wastewater during a six month period is captured in two tanks. One tank contains all the wastewater for the alum plant and has 1,538,136 liters in it. The other tanks contains all the wastewater from the galv plant and has 133,906 liters in it. The concentrations of metals in the tanks are:

Galvanized:		
Chromium:	33525 mg / 92295 liters =	0.36 mg/l
Copper:	135390 mg / 92295 liters =	1.47 mg/l
Cyanide:	18052 mg / 92295 liters =	0.20 mg/l
Zinc:	96707 mg / 92295 liters =	1.05 mg/l
Aluminum		
Chromium:	392290 mg / 1,221,566 liters =	0.32 mg/l
Cyanide:	207042 mg / 1,221,566 liters =	0.17 mg/l
Zinc:	1089695 mg / 1,221,566 liters =	0.89 mg/l

# AMX\_Production\_Based\_Standards

AMERIMAX COATED PRODUCTS

HELENA, AR

Report Date: **March 2012 to August 2012**

	Data Entry Col
Total production Days .....	140.21
Total Flow for the period (gal) .....	347,128
Average Flow (gpd) .....	2,475.80
Max Flow (gpd) .....	12,125.00

## Galvanized Line

Prod'n Rate (Total Sq Footage for 3/1/2012 thru 8/31/2012) . . . . . **6,937,138**

## Aluminum Line

Prod'n Rate (Total Sq Footage for 9/1/2011 thru 1/12/2012) . . . . . **58,625,565**

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	<u>Cr</u>	<u>CN</u>
Daily Maximum Aluminum		
465.35 Regulatory Allowance (mg/sqmeter)	0.18	0.095
Plant Allowable (mg/period)	980,725	517,605
(ex. Cr: $58625565 / 10.76 * 0.18 = 980725$ )		

Daily Maximum Galvanized Steel		
465.25 Regulatory Allowance (mg/sqmeter)	0.13	0.07
Plant Allowable (mg/period)	83,813	45,130
(ex. Cr: $6937138 / 10.76 * 0.13 = 83813$ )		

<b>Daily Maximum</b>		
<b>Plant Allowable (mg/day)</b>	<b>7592.54</b>	<b>4013.56</b>
(ex. Cr: $(980725 + 83813) / 140.21 = 7592.54$ )		
<b>Plant Allowable (mg/liter)</b>	<b>0.81</b>	<b>0.43</b>
(ex. Cr: $7593 / 9370.91 = 0.81$ )		
<b>Measured (mg/liter) (during aluminum production)</b>	<b>&lt;0.007</b>	<b>&lt;0.01</b>
<b>Measured (mg/liter) (during galvanized production)</b>	<b>&lt;0.007</b>	<b>&lt;0.01</b>

Monthly Average Aluminum		
465.35 Regulatory Allowance (mg/sqmeter)	0.072	0.038
Plant Allowable (mg/period)	392,290	207,042
(ex. Cr: $58625565 / 10.76 * 0.072 = 392290$ )		

Monthly Average Galvanized Steel		
465.25 Regulatory Allowance (mg/sqmeter)	0.052	0.028
Plant Allowable (mg/period)	33,525	18,052
(ex. Cr: $6937138 / 10.76 * 0.052 = 33525$ )		

## Monthly Average



<b>Plant Allowable (mg/day)</b> (ex. Cr: $(392290 + 33525) / 140.21 = 3037.02$ )	<b>3037.02</b>	<b>1605.43</b>
<b>Plant Allowable (mg/liter)</b> (ex. Cr: $3037 / 9370.91 = 0.32$ )	<b>0.32</b>	<b>0.17</b>
<b>Measured (mg/liter) (during aluminum production)</b>	<b>&lt;0.007</b>	<b>&lt;0.01</b>
<b>Measured (mg/liter) (during galvanized production)</b>	<b>&lt;0.007</b>	<b>&lt;0.01</b>

The "Plant Allowable" for Galv & Alum should be compared with the analyses submitted by AMX; AMX must sample at least once during the time when the line is running Galv and at least once when the line is running Aluminum. The assumption made is that the one analysis is representative of the six mor period for the basis metal of concern.

1	4/29/2012 0:00	4970.33	24		4.970
2	4/30/2012 0:00	7444.72	24		7.445
3	5/1/2012 0:00	10198.2	24		10.198
4	5/2/2012 0:00	10116.2	24		10.116
5	5/3/2012 0:00	7110.78	24		7.111
6	5/4/2012 0:00	6736.8	24		6.737
7	5/5/2012 0:00	6093.07	24		6.093
1	5/6/2012 0:00	2454.19	24		2.454
2	5/7/2012 0:00	1733.4	24		1.733
3	5/8/2012 0:00	2347.38	0.58	23.42	2.347
4	5/9/2012 0:00	1017.04	22.32	1.68	1.017
5	5/10/2012 0:00	1142.77	24		1.143
6	5/11/2012 0:00	2738.71	24		2.739
7	5/12/2012 0:00	972.192	24		972
1	5/13/2012 0:00	70.389			
2	5/14/2012 0:00	539.85	24		540
3	5/15/2012 0:00	916.137	24		916
4	5/16/2012 0:00	1167.25	24		1.167
5	5/17/2012 0:00	2514.98	24		2.515
6	5/18/2012 0:00	1730.91	24		1.731
7	5/19/2012 0:00	1684.75			
1	5/20/2012 0:00	193.786			
2	5/21/2012 0:00	2754.95	12.54	11.36	2.755
3	5/22/2012 0:00	1121.69	14.85	9.14	1.122
4	5/23/2012 0:00	1153.49	24		1.153
5	5/24/2012 0:00	1257.29	24		1.257
6	5/25/2012 0:00	1094.87	24		1.095
7	5/26/2012 0:00	1028.54			
1	5/27/2012 0:00	66.77			
2	5/28/2012 0:00	319.579	24		1.197
3	5/29/2012 0:00	1196.96	24		1.197
4	5/30/2012 0:00	496.281	24		496
5	5/31/2012 0:00	1898.41			
6	6/1/2012 0:00	456.911	24		457
7	6/2/2012 0:00	1217.86	24		1.218
1	6/3/2012 0:00	942.014			
2	6/4/2012 0:00	1182.34	24		1.182
3	6/5/2012 0:00	592.179	24		592
4	6/6/2012 0:00	2697.64	24		2.698
5	6/7/2012 0:00	3764.53	24		3.755
6	6/8/2012 0:00	2938.43	13.89	10.11	2.938
7	6/9/2012 0:00	7571.09	14.19	9.81	7.671
1	6/10/2012 0:00	7568.91			
2	6/11/2012 0:00	7546.91	24		7.547
3	6/12/2012 0:00	7539.66	24		7.540
4	6/13/2012 0:00	9327.71	24		9.328
5	6/14/2012 0:00	11235	24		11.235
6	6/15/2012 0:00	10051	24		10.051
7	6/16/2012 0:00	9890.85	24		9.991
1	6/17/2012 0:00	2983.66			
2	6/18/2012 0:00	1941.35	24		1.941
3	6/19/2012 0:00	7286.08	24		7.286
4	6/20/2012 0:00	6772.04	24		6.772
5	6/21/2012 0:00	6986.04	4.81	19.19	6.986
6	6/22/2012 0:00	5002.23		12	5.002
7	6/23/2012 0:00	87.148	11.35	0.65	87
1	6/24/2012 0:00	0			
2	6/25/2012 0:00	4083.5	24		4.064
3	6/26/2012 0:00	1118.39	24		1.118
4	6/27/2012 0:00	1370.41	13.98	10.02	1.370
5	6/28/2012 0:00	1285.36	24		1.285
6	6/29/2012 0:00	1332.83			
7	6/30/2012 0:00	2789.16			
1	7/1/2012 0:00	1.035			
2	7/2/2012 0:00	977.297	24		977

51

Site Name	4230 Flow Meter	Volume	Flow Volume	Units	Significant Digits
1	3/12/2012 0:00	2519.99	2519.99	0.1	0
2	3/22/2012 0:00	2534.17	2534.17	0.1	0
3	3/22/2012 0:00	360.792	360.792	0.1	0
4	3/14/2012 0:00	0	0	0.1	0
5	3/15/2012 0:00	868.819	868.819	0.1	0
6	3/16/2012 0:00	1094.49	1094.49	0.1	0
7	3/17/2012 0:00	2000.81	2000.81	0.1	0
8	3/18/2012 0:00	1144.47	1144.47	0.1	0
9	3/19/2012 0:00	74.927	74.927	0.1	0
10	3/19/2012 0:00	916.588	916.588	0.1	0
11	3/19/2012 0:00	0	0	0.1	0
12	3/19/2012 0:00	183.538	183.538	0.1	0
13	3/19/2012 0:00	1880.41	1880.41	0.1	0
14	3/19/2012 0:00	1073.86	1073.86	0.1	0
15	3/19/2012 0:00	1071.37	1071.37	0.1	0
16	3/19/2012 0:00	1823.95	1823.95	0.1	0
17	3/19/2012 0:00	3555.05	3555.05	0.1	0
18	3/19/2012 0:00	104.801	104.801	0.1	0
19	3/19/2012 0:00	1080.96	1080.96	0.1	0
20	3/20/2012 0:00	2802.26	2802.26	0.1	0
21	3/21/2012 0:00	257.413	257.413	0.1	0
22	3/22/2012 0:00	873.9	873.9	0.1	0
23	3/23/2012 0:00	718.446	718.446	0.1	0
24	3/24/2012 0:00	71.567	71.567	0.1	0
25	3/25/2012 0:00	17.838	17.838	0.1	0
26	3/25/2012 0:00	717.744	717.744	0.1	0
27	3/27/2012 0:00	980.855	980.855	0.1	0
28	3/28/2012 0:00	1377.76	1377.76	0.1	0
29	3/29/2012 0:00	1163.96	1163.96	0.1	0
30	3/30/2012 0:00	645.288	645.288	0.1	0
31	3/31/2012 0:00	551.147	551.147	0.1	0
32	4/1/2012 0:00	0	0	0.1	0
33	4/2/2012 0:00	730.353	730.353	0.1	0
34	4/2/2012 0:00	2065.98	2065.98	0.1	0
35	4/4/2012 0:00	320.865	320.865	0.1	0
36	4/5/2012 0:00	1707.64	1707.64	0.1	0
37	4/5/2012 0:00	5.346	5.346	0.1	0
38	4/7/2012 0:00	343.64	343.64	0.1	0
39	4/8/2012 0:00	24.797	24.797	0.1	0
40	4/9/2012 0:00	29.391	29.391	0.1	0
41	4/10/2012 0:00	1788.91	1788.91	0.1	0
42	4/11/2012 0:00	1098.33	1098.33	0.1	0
43	4/12/2012 0:00	513.279	513.279	0.1	0
44	4/13/2012 0:00	1609.12	1609.12	0.1	0
45	4/14/2012 0:00	147.31	147.31	0.1	0
46	4/15/2012 0:00	0	0	0.1	0
47	4/16/2012 0:00	0	0	0.1	0
48	4/17/2012 0:00	1228.59	1228.59	0.1	0
49	4/18/2012 0:00	1818.92	1818.92	0.1	0
50	4/19/2012 0:00	378.13	378.13	0.1	0
51	4/20/2012 0:00	2098.81	2098.81	0.1	0
52	4/21/2012 0:00	103.173	103.173	0.1	0
53	4/22/2012 0:00	44.74	44.74	0.1	0
54	4/23/2012 0:00	2274.17	2274.17	0.1	0
55	4/24/2012 0:00	3556.16	3556.16	0.1	0
56	4/25/2012 0:00	6847.3	6847.3	0.1	0
57	4/26/2012 0:00	7018.01	7018.01	0.1	0
58	4/27/2012 0:00	12124.7	12124.7	0.1	0
59	4/28/2012 0:00	5653.96	5653.96	0.1	0

Alum	sq. ft.	Galv	sq. ft.	Alum hour galv/hours	hours	hours	hours
Mar-12	10,594,016	1,660,683					
Apr-12	8,566,636	751,090					
May-12	10,524,442	996,404					
Jun-12	10,442,645	1,128,513					
Jul-12	9,514,687	1,052,930					
Aug-12	8,983,140	1,137,518	est last 5 days				
6month tot	58,825,565	6,937,138					
Alum	sq. ft.	Galv	sq. ft.	Alum hour galv/hours	hours	hours	hours
Total 5 months	56,625,565	6,937,138			3,096	269	
					%	%	
					92.0	8.0	
					days	days	
					129.0	11.2	
max	12,125						
average	2,445						
Total flow		347,128					

ill aug 24th	alum	galv
	7,186,512	910,014

42

3	7/3/2012 0:00	4072.77	24	4.073	4.073	estimated
4	7/4/2012 0:00	2669.04	24	2.669	2.669	estimated
5	7/5/2012 0:00	1686.96	24	1.687	1.687	estimated
6	7/6/2012 0:00	664.447				
7	7/7/2012 0:00	1207.94				
1	7/8/2012 0:00	3042.96				
2	7/9/2012 0:00	4810.77	24	4.811	4.811	estimated
3	7/10/2012 0:00	5410.9	24	5.411	5.411	estimated
4	7/11/2012 0:00	3674.71	24	3.675	3.675	estimated
5	7/12/2012 0:00	3886.72	24	3.887	3.887	estimated
6	7/13/2012 0:00	140.617	24	1.41	1.41	estimated
7	7/14/2012 0:00	1143.08	24	1.143	1.143	estimated
1	7/15/2012 0:00	1992.69				
2	7/16/2012 0:00	9.128	24	9	9	estimated
3	7/17/2012 0:00	1256.98	24	1.259	1.259	estimated
4	7/18/2012 0:00	432.908	24	4.33	4.33	estimated
5	7/19/2012 0:00	800.044	19.89	4.31	800	estimated
6	7/20/2012 0:00	2300.27	24	2.300	2.300	estimated
7	7/21/2012 0:00	1094.47	24	1.094	1.094	estimated
1	7/22/2012 0:00	189.514				
2	7/23/2012 0:00	1521.69	24	1.522	1.522	estimated
3	7/24/2012 0:00	1868.39	24	1.668	1.668	estimated
4	7/25/2012 0:00	1698.34	24	1.698	1.698	estimated
5	7/26/2012 0:00	942.223	24	942	942	estimated
6	7/27/2012 0:00	1274.34	24	1.274	1.274	estimated
7	7/28/2012 0:00	937.835	24	938	938	estimated
1	7/29/2012 0:00	6165.09				
2	7/30/2012 0:00	1355.75	24	1.356	1.356	estimated
3	7/31/2012 0:00	2043.21	24	2.043	2.043	estimated
4	8/1/2012 0:00	1242.06	24	1.242	1.242	estimated
5	8/2/2012 0:00	1421.43	24	1.421	1.421	estimated
6	8/3/2012 0:00	2055.11	24	2.055	2.055	estimated
7	8/4/2012 0:00	1018.84	5.68	18.32	1.019	estimated
1	8/5/2012 0:00	162.265				
2	8/6/2012 0:00	252.788	22.71	1.29	253	estimated
3	8/7/2012 0:00	1151.8				
4	8/8/2012 0:00	915.107	24	915	915	estimated
5	8/9/2012 0:00	2966.12	24	2.965	2.965	estimated
6	8/10/2012 0:00	829.321	24	829	829	estimated
7	8/11/2012 0:00	847.501	24	848	848	estimated
1	8/12/2012 0:00	1901.54	24	1.902	1.902	estimated
2	8/13/2012 0:00	0	24	-	-	estimated
3	8/14/2012 7:00	261.168	6.75	17.25	261	estimated
4	8/15/2012 7:00	1498.13	24	1.498	1.498	estimated
5	8/16/2012 7:00	44.46	24	44	44	estimated
6	8/17/2012 7:00	778.235	24	778	778	estimated
7	8/18/2012 7:00	0				
1	8/19/2012 7:00	0				
2	8/20/2012 7:00	184.2	2.75	21.25	184	estimated
3	8/21/2012 7:00	1034.35	24	1.034	1.034	estimated
4	8/22/2012 7:00	186.608	24	187	187	estimated
5	8/23/2012 7:00	638.123	24	638	638	estimated
6	8/24/2012 7:00	3114.02	24	3.114	3.114	estimated
7	8/25/2012 7:00	2.473				
1	8/26/2012 7:00	0				
2	8/27/2012 7:00	24	24	2.445	2.445	estimated
3	8/28/2012 7:00	24	24	2.445	2.445	estimated
4	8/29/2012 7:00	24	24	2.445	2.445	estimated
5	8/30/2012 7:00	24	24	2.445	2.445	estimated
6	8/31/2012 7:00	24	24	2.445	2.445	estimated

average 2.445  
no days worked in august 25

48

40CFR465.25 Galvanized Steel  
40CFR465.35 Aluminum  
40CFR465.25 Discharge Volume  
40CFR465.35 Discharge Volume

1137518 Enter total square footage of steel for the six month period  
8983140 Enter total square footage of aluminum for the six month period  
38878 Enter total volume of wastewater in gallons discharged from "steel plant"  
308250 Enter total volume of wastewater in gallons discharged from "alum plant"

Parameter	Galv Max Limit (mg/l)	Galv Ave Limit (mg/l)	Alum Max Limit (mg/l)	Alum Ave Limit (mg/l)
Chromium	0.093	0.037	0.129	0.052
Copper	0.316	0.151	Not Applicable	Not Applicable
Cyanide	0.050	0.020	0.068	0.027
Zinc	0.251	0.108	0.351	0.143