



May 17, 2011

Arkansas Department of Environmental Quality
Water Division
5301 North Shore Dr.
North Little Rock, AR 72218-5317

Attn: Mr. Allen Gilliam

Re: Semi Annual Reporting

Dear Mr. Gilliam

Attached you will find our report showing Defiance Metal Products (DMP) waste water effluent testing for the period represented from November 2010 through April 2011. Also attached you will find the laboratory report of analysis with the chain of custody. We are glad to report that all parameters are within specification.

Upon your review if you should find anything which requires our attention please do not hesitate to call. We'll continue to strive to improve our processes and comply with all federal, State and Local regulations.

Respectfully,

A handwritten signature in black ink, appearing to read "Bob D. Taylor, Jr.", written in a cursive style.

Bob D. Taylor, Jr.
Safety Leader
Defiance Metal Products

*complete / compliant
no further action necessary
ATB*

944 Bypass Rd.
Heber Springs AR 72543
501-362-1919

SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40CFR433

Use of this form is not an EPA/ADEQ requirement.

Attn: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION

A. LEGAL NAME & MAILING ADDRESS

Defiance Metal Products
944 By Pass Rd.
Heber Springs, AR 72543

B. FACILITY & LOCATION ADDRESS

Same as section A

C. FACILITY CONTACT: Bob Taylor **TELEPHONE NUMBER** 501-887-4732 **e-mail:** btaylor@defiancemetals.com

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

A. MONTHS WHICH REPORTS ARE DUE

___ May ___ & ___ November ___

B. PERIOD COVERED BY THIS REPORT

FROM: Nov. 2010 **TO:** May 2011

(3) DESCRIPTION OF OPERATION

A. REGULATED PROCESSES

CORE PROCESS(ES)

CHECK EACH APPLICABLE BLOCK

- Electroplating
- Electroless Plating
- Anodizing
- Coating
- Chemical Etching and Milling
- Printed Circuit Board Manufacture

ANCILLARY PROCESS(ES)*

LIST BELOW EACH PROCESS USED IN THE FACILITY

Cleaning _____

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.

*SEE 40CFR433.10(a) FOR 40 DIFFERENT OPERATIONS

C. Number of Regular Employees at this Facility
242

D. [Reserved]

(4) FLOW MEASUREMENT

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

Process	Average	Maximum	Type of Discharge
Regulated (Core & Cyanide)	8,000	12,000	Batch
' 403.6(e) Unregulated*			
' 403.6(e) Dilute			
Cooling Water			
Sanitary	3,800	5,000	
Total Flow to POTW	11,800	17,000	*****

*"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 _____
- 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.

Pollutant(mg/l)	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN	TTO*
Max for 1 day	0.11	2.77	3.38	0.69	3.98	0.43	2.61	1.20	2.13
Monthly Ave	0.07	1.71	2.07	0.43	2.38	0.24	1.48	0.65	--
Max Measured	<0.005	<0.05	<0.01	<0.05	<0.02	<0.01	0.555	<0.01	
Ave Measured									

Sample Location Clarifier Effluent

Sample Type (Grab or Composite) Grab

Number of Samples and Frequency Collected One for Sample period

40CFR136 Preservation and Analytical Methods Use: Yes No

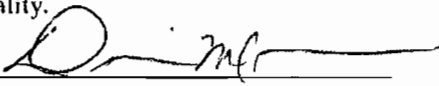
(6) CERTIFICATION

A. [Reserved]

[Reserved]

B. CHECK ONE: 433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED 433.12(a) TTO CERTIFICATION

Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred 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.

Devin McSpadden 
(Typed Name)

Plant Manager
(Corporate Officer or authorized representative)

Date of Signature 05/17/2011

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 _____, 200__.

Notary Public in and for _____
County, Arkansas

My commission expires _____.

Arkansas Testing Laboratories

3301 Langley Drive · Searcy, AR 72143

(501) 268-6431 f(501) 268-9314

NPDES Wastewater Monitoring
 Water and Wastewater Analysis
 Concrete, Asphalt, and Aggregate Testing
 Geotechnical Testing
 Industrial and Construction Quality Control

DEFIANCE METALS

Collection Date: April 7, 2011
 Collection Time: 9:30 AM
 Collected By: Ray Miller

Collection Place: EFFLUENT OUTFALL
WATER ANALYSIS
 KLB

Parameter	Analysis Begin Date / Time	Analysis End Date / Time	Results	Unit	Analyst	% Spike	Rel %	Sample Type	Method:
BOD	04/08 10:30 AM	04/13 9:00 AM	40	mg/l	KLB / KLB	97.0	10.15	GRAB	SM 5210 B
pH	04/08 8:15 AM	NA	7.72	S.U.	KLB	NA	0.13	GRAB	SM 9222 D
TDS	04/08 9:00 AM	NA	2404	mg/l	KLB	NA	3.33	GRAB	SM 2540 D
OIL & GREASE	04/12 1:00 PM	NA	6	mg/l	MNE	93.4	9.52	GRAB	EPA 1664 A
COD	04/15 11:00 AM	NA	132	mg/l	KLB	92.4	0.00	GRAB	HACH 8000
Cyanide	04/20 4:00 PM	NA	< 0.01	mg/l	BET	95.5	0.00	GRAB	SM 4500 CN-E
Cadmium	04/22 3:15 PM	NA	< 0.005	mg/l	BET	98.6	0.00	GRAB	SM 3111 B
Chromium	04/22 3:30 PM	NA	< 0.05	mg/l	BET	96.4	4.26	GRAB	SM 3111 B
Copper	04/22 3:45 PM	NA	< 0.01	mg/l	BET	102.2	7.18	GRAB	SM 3111 B
Lead	04/20 4:15 PM	NA	< 0.05	mg/l	BET	92.5	6.67	GRAB	SM 3111 B
Nickel	04/22 4:00 PM	NA	< 0.02	mg/l	BET	95.4	7.11	GRAB	SM 3111 B
Silver	04/22 4:15 PM	NA	< 0.01	mg/l	BET	99.6	2.02	GRAB	SM 3111 B
Zinc	04/22 3:00 PM	NA	0.555	mg/l	BET	99.6	4.08	GRAB	SM 3111 B

Additional Testing is attached. These results include Volatiles, Semi-Volatiles, Pesticides and Metals

AL CONTROL 146820

Quality Assurance: All Parameters include 10% duplication studies by random selection. The following equipment is checked and calibrated daily: pH meter, balance, incubators, water baths, drying oven and sterilizing apparatus. Ammonia Nitrogen and Oil & Grease Analysis include duplication and spike studies at a rate of at least 10%.

Notes: Samples iced at collection. Preserved with H₂SO₄ to pH; Oil & Grease, Ammonia, COD


 Neville Adams, Manager

