

SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40 CFR 433.17

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

Attn: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION and NPDES Pretreatment Tracking # ARP00

<p>A. LEGAL NAME & MAILING ADDRESS</p> <p>MEC (Formerly Defiance Metal Products of Ar) 944 Bypass Rd Heber Springs, AR. 72543</p>	<p>B. FACILITY & LOCATION ADDRESS</p> <p>Same as section A</p>
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C. FACILITY CONTACT: Steve Adcock TELEPHONE NUMBER: 501-270-0620 steve.adcock@mecinc.com

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

<p>A. MONTHS WHICH REPORTS ARE DUE</p> <p><u>November</u> & <u>May</u></p>	<p>B. PERIOD COVERED BY THIS REPORT</p> <p>FROM <u>May 2021</u> TO: <u>November 2021</u></p>
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(3) DESCRIPTION OF OPERATION

<p>A. REGULATED PROCESSES</p> <p><u>CORE PROCESS(ES)</u></p> <p>CHECK EACH APPLICABLE BLOCK</p> <p>G Electroplating G Electroless Plating G Anodizing XCoating (conversion) G Chemical Etching and Milling G Printed Circuit Board Manufacture</p> <p><u>ANCILLARY PROCESS(ES)*</u></p> <p>LIST BELOW EACH PROCESS USED IN THE FACILITY</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p><small>*SEE 40CFR433.10(a) FOR THE 40 ANCILLARY OPERATIONS</small></p>	<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.</p>
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<p>C. Number of Regular Employees at this Facility <u>200</u></p>	<p>D. [Reserved]</p>
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(4) FLOW MEASUREMENT

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

Process	Average	Maximum	Type of Discharge*
Regulated (Core & Ancillary)	5000	6500	Batch/once per day
Regulated (Cyanide)			
' 403.6(e) Unregulated*			
' 403.6(e) Dilute			
Cooling Water			
Sanitary			
Total Flow to POTW	5000	6500	

*If batch discharged please list the period of time of each batch discharge (300 gallons/day; 500 gallons/week, 2,000 gallons/3 months, etc). Do not normalize over that period for the average flow.
 "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.

40 CFR 433.17 Pollutant (mg/l) limits	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 Avg	0.07	1.71	2.07	0.43	2.38	0.24	1.48	0.65	--
Max Measured	<0.02	<0.02	0.059	<0.02	0.300	<0.02	0.164	<0.01	*
Avg Measured**									

Sample Location Final Discharge Point

Sample Type (Grab* or Composite) Grab

*If Grab, list # of grabs over what period of time

Number of Samples and Frequency Collected 1 sample

40CFR136 Preservation and Analytical Methods Use: Yes No (include complete Chain of Custody)

*If a TOMP has been submitted and approved by ADEQ place N/A.

**A value here 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.

(6) CERTIFICATION (ONLY IF A TOMP HAS BEEN SUBMITTED/APPROVED BY ADEQ)

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.

Jonathan Toomer
(Typed/Printed Name)


(Corporate Officer or authorized representative signature)

Date of Signature 12/08/2021

(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:

1. _____
2. _____
3. _____
4. _____
5. _____

MEC

(8) GENERAL COMMENTS

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

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.

Jonathan Toomer
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE



SIGNATURE

EHS Manager
OFFICIAL TITLE

12/08/2021
DATE SIGNED

Arkansas Testing Laboratories

3301 Langley Drive · Searcy, AR 72143

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

MEC INC.

Collection Date: October 20, 2021

Collection Time: 8:25 AM

Collected By: CV

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

BI-ANNUAL WATER ANALYSIS

Collection Place: CLARIFIER

KLB

Parameter	Analysis Begin		Analysis End		Results	Unit	Analyst	% Spike	Rel %	Sample Type	Method:
	Date / Time	Date / Time	Date / Time	Date / Time							
Cyanide	10/25	3:43 PM	NA	NA	< 0.01	mg/l	KLB	100.6	2.90	GRAB	SM 4500 CN-E-2011
Cadmium	11/01	10:48 AM	NA	NA	< 0.02	mg/l	KLB	98.9	3.23	GRAB	SM 3120 B-2011
Chromium	11/01	10:48 AM	NA	NA	< 0.02	mg/l	KLB	96.9	3.02	GRAB	SM 3120 B-2011
Copper	11/01	10:48 AM	NA	NA	0.059	mg/l	KLB	95.5	1.83	GRAB	SM 3120 B-2011
Lead	11/01	10:48 AM	NA	NA	< 0.02	mg/l	KLB	93.0	1.20	GRAB	SM 3120 B-2011
Nickel	11/01	10:48 AM	NA	NA	0.300	mg/l	KLB	95.1	0.00	GRAB	SM 3120 B-2011
Zinc	11/01	10:48 AM	NA	NA	0.164	mg/l	KLB	96.4	1.93	GRAB	SM 3120 B-2011
Silver	11/01	10:48 AM	NA	NA	< 0.02	mg/l	KLB	92.7	2.03	Grab	SM 3120 B-2011

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 pH₂; Oil & Grease, Ammonia, COD

Neville Adams, Manager



Arkansas Testing Laboratories

3301 Langley Ave · Search, AR 72143
 (501) 268-6431 f (844) 318-7030
 arkatl@sbclglobal.net

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

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

CLIENT: **Mayville Engineering Company, Inc.**

SAMPLED BY: **Casey Vesser**

PARAMETERS

= no of bottles Q, L, H = Qt, Lt, Half Gal P, G = Plastic, Glass

CALIBRATION

PRESERVATIVES

SAMPLE TYPE	W=H2O S=SLUDGE D=SOIL C=WELL	DATE	TIME	Flow	Grab / Comp	CALIBRATION		PRESERVATIVES	
						pH / DO #	NaOH	HNO3	
EFF/ Bi-Annual	W	10-20-21	8:25 AM		Grab			1-L-P	1-100-P

Comments:

COLLECT:

Relinquished by: Casey Vesser	Date/Time: 10-20-21 2:00	Received by: Mr. Parker	Date/Time: 10-21-21 7:00 AM
Relinquished by:	Date/Time:	Received by:	Date/Time: