

# 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**

Mac-Lean ESNA  
611 County Club Road  
Pocahontas, AR 72455

**B. FACILITY & LOCATION ADDRESS**

Mac-Lean ESNA  
611 County Club Road  
Pocahontas, AR 72455

**C. FACILITY CONTACT:** Jeff Orrick      **TELEPHONE NUMBER:** 870-892-4740      **e-mail:** jorrick@macleanfogg.com

## (2) REPORTING PERIOD--FISCAL YEAR From 2011 to 2011 (Both Semi-Annual Reports must cover Fiscal Year)

**A. MONTHS WHICH REPORTS ARE DUE**

June & December

**B. PERIOD COVERED BY THIS REPORT**

**FROM:** July 2011      **TO:** December 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

Rust Removal

Passive Rinse Tank

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SEE 40CFR433 10(a) FOR 40 DIFFERENT OPERATIONS

**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.

None

**C. Number of Regular Employees at this Facility:** 76

**D. [Reserved]**

**(4) FLOW MEASUREMENT**

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

Process	Average	Maximum	Type of Discharge
Regulated (Core & Ancillary)	2888	3733	Continuous
Regulated (Cyanide)	0	0	N/A
' 403.6(e) Unregulated*	0	0	N/A
' 403.6(e) Dilute**	2	2	Continuous
Cooling Water**	2222	2874	Continuous
Sanitary	1300	2862	Continuous
Total Flow to POTW	6412	9471	*****

\*"Unregulated" has a precise legal meaning; see 40CFR403 6(e)

\*\*Indicate if these Streams commingle with Regulated Streams BEFORE treatment

**(5) MEASUREMENT OF POLLUTANTS**

A. TYPE OF TREATMENT SYSTEM

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	TIO*
Max for 1 day	.390	1.565	1.910	.390	2.249	0.243	1.475	0.678	1.204
Monthly Ave	0.147	0.966	1.170	0.243	1.345	0.136	0.836	0.367	--
Max Measured	<0.004	0.14	0.08	<0.004	0.86	< 0.007	0.042	< 0.01	TOMP
Ave Measured	<0.004	0.14	0.08	<0.004	0.86	< 0.007	0.042	< 0.01	TOMP

Sample Location: Pretreatment system effluent

Sample Type (Grab or Composite): Grab / Composite

Number of Samples and Frequency Collected: One-Semi annually

40 CFR 136 Preservation and Analytical Methods Use:  Yes  No

Indicate Combined Wastestream Factor if Dilution Streams Exist w/Regulated Streams 0.565

**(6) CERTIFICATION**

A. Required under 40 CFR 403.12(g)

I certify under penalty of law that 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.

Dave Merwitz

(Typed Name)

D.M. /  
(Corporate Officer or authorized representative)

B. CHECK ONE:  '433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED  '433.12(a) TIO 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.

Dave Merwitz

(Typed Name)

(Corporate Officer or authorized representative)

Date of Signature D.M. /

12/15/2011

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**(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:**

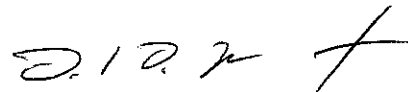
**(8) GENERAL COMMENTS**

**(9) SIGNATORY REQUIREMENTS [40CFR403.12(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.

Dave Merwitz

NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE



SIGNATURE

General Manager

OFFICIAL TITLE

12/15/2011

DATE SIGNED

Date 12/15/2011

## Wastestream Factor Formula

Total process flow out to city = Total regulated + total dilute flow

Combined average wastestream factor is total regulated divided by total process flow to city

Total regulated		Total process flow to city		Wastestream factor
2888	divided by	5112 =		0.565