

Donnie Autry
MacLean-ESNA
611 Country Club Rd
Pocahontas, AR 72455

January 3, 2013

Allen Gilliam
ADEQ
Little Rock, AR

Subject: ARP001048

Dear Mr. Gilliam,

Please find attached the semi-annual pretreatment report, Tracking # ARP001048. If you have questions, please do not hesitate to contact either me or Chuck Barker.

Sincerely,
Donnie Autry

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: Chuck Barker

TELEPHONE NUMBER: 870-892-4785

e-mail: cbarker@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 2012

TO: December 2012

(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

SEE 40 CFR 433.10(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: 75

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)	2269	2966	Continuous
Regulated (Cyanide)	0	0	N/A
' 403.6(e) Unregulated [†]	0	0	N/A
' 403.6(e) Dilute ^{**}	2	2	Continuous
Cooling Water ^{**}	1746	2283	Continuous
Sanitary	2026	2328	Continuous
Total Flow to POTW	6042	7579	*****

^{††}"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	TTO*
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	0.0075	0.031	0.060	<0.04	0.18	< 0.007	0.084	.012	IOMP
Ave Measured	0.0075	0.031	0.060	<0.04	0.18	< 0.007	0.084	.012	IOMP

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 F
(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 (TIO), 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)

D M F
(Corporate Officer or authorized representative)

Date of Signature

1/3/2013

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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

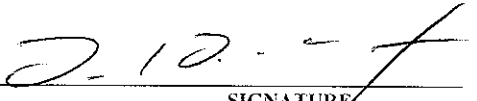
The User may list any new or ongoing Pollution Prevention practices:

(8) GENERAL COMMENTS

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

Dave Merwitz
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE


SIGNATURE

General Manager
OFFICIAL TITLE

1/3/2013
DATE SIGNED

Date 12/13/2012

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
2269	divided by	4016	=	0.565

Water from City

Year	Days	Gallon Flow	
2012		Average	Total
6-6 to 7-9	33	3597	118700
7-9 to 8-9	31	4987	154600
8-9 to 9-10	32	4588	146800
9-10 to 10-8	28	5111	143100
10-8 to 11-7	30	4607	138200
11-7 to 12-7	30	4983	149500
		Avg Flow	4645
		Max Flow	5111

Total Process Flow to City

Year	Days	Gallon Flow	
2012		Average	Total
6-1 to 7-2	31	3602	111667
7-2 to 8-2	31	3332	118781
8-2 to 8-31	29	3574	103642
8-31 to 10-1	31	3722	115396
10-1 to 11-1	31	5251	162784
11-1 to 11-30	29	4113	119265
		Avg used	4016
		Max used	5251

Avg Flow for 6-1-12 to 12-1-12

1396 GPD	Well Water	1396 GPD	Hydraulic Press non-contact cooling water - non-regulated dilution		
349 GPD			Lebel Induction Heater non-contact cooling water - non-regulated dilution		
1374 GPD			Passivate rinse tank - regulated		
2619 GPD	City Water	873 GPD	Rust Removal rinse tank - regulated	Water used from City	4645 GPD
21 GPD			Product Deburring - regulated	IN	
				2269 GPD Aeration Mixing Basin	OUT TO CITY
1 GPD			Air compressor blow down - dilute		
1 GPD			Boiler blow down - dilute		
				Total Regulated =	2269 GPD
				Total Dilute Flow =	1747 GPD
				Avg. Flow	
				Regulated Total	2269
				Dilute	2
				Cooling Water	1746
				Sanitary	2026
				Total Flow to POTW	6042

Max Flow for 6-1-12 to 12-1-12

1827 GPD Well Water 1827 GPD Hydraulic Press non-contact cooling water - non-regulated dilution

457 GPD Lepel Induction Heater non-contact cooling water - non-regulated dilution

1797 GPD Passivate rinse tank - regulated

3424 GPD City Water 1142 GPD Rust Removal rinse tank - regulated

27 GPD Product Deburring - regulated

1 GPD Air compressor blow down - dilute
 1 GPD Boiler blow down - dilute

Regulated Total Max. Flow
 2966

Dilute 2

Cooling Water 2283

Sanitary 2329

Total Flow to POTW 7579

Water used from City

5752 GPD

IN

2966 GPD Aeration Mixing Basin

OUT TO CITY
 5.251 GPD

Total Regulated = 2966 GPD

Total Dilute Flow = 2285 GPD