

Allen

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: 870-892-5201 ext. 248

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

A. MONTHS WHICH REPORTS ARE DUE

June & December

B. PERIOD COVERED BY THIS REPORT

FROM: July 2010 TO: December 2010

(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

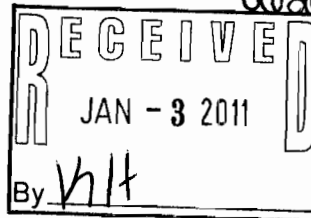
Passive Rinse Tank

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

deemed complete/compliant w/ no further action necessary #6



ARP 001048
61-00061

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

C. Number of Regular Employees at this Facility : 80

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)	1693	2056	Continuous
Regulated (Cyanide)	-0-	-0-	N/A
' 403.6(e) Unregulated*	-0-	-0-	N/A
' 403.6(e) Dilute	1	1	Continuous
Cooling Water**	1303	1583	Continuous
Sanitary**	1992	2533	Continuous
Total Flow to POTW	4988	6172	*****

***"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	.0390	1.565	1.910	0.390	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	0.015	0.034	0.036	<0.04	0.069	<0.007	0.16	<0.01	TOMP
Ave Measured	0.015	0.034	0.036	<0.04	0.069	<0.007	0.16	<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: X Yes G No

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

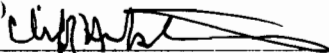
(6) CERTIFICATION

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.

CLIFF HUFSTEDLER

(Typed Name)



(Corporate Officer or authorized representative)

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.

CLIFF HUFSTEDLER

(Typed Name)



(Corporate Officer or authorized representative)

Date of Signature 12-16-10

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'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.

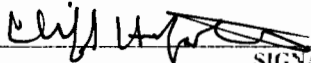
The User may list any new or ongoing Pollution Prevention practices:

(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.

Cliff Hufstедler
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE


SIGNATURE

Plant Manager
OFFICIAL TITLE

12-16-10
DATE SIGNED

12-15-10

Wastestream Factor Formula

Total Process flow out to city = Total Regulated + total Dilute flow

Combined average wastestream factor is
total Regulated \div by total Process flow

$$1693 \quad \div \quad 2,996 = .565 \text{ for}$$

6-1-10 to 12-1-10

Max Flow for 6-1-10 to 12-1-10

1266 GPD Well Water 1266 GPD Hydraulic Press non-contact cooling water - non-regulated dilution

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

1245 GPD Passivate rinse tank - regulated

Water used from City
4906 GPD

2373 GPD City Water 791 GPD Rust Removal rinse tank - regulated

IN
2056 GPD Aeration Mixing Basin OUT TO CITY
3,639 GPD

19 GPD Product Deburring - regulated

1 GPD Air compressor blow down - dilute Total Regulated = 2056 GPD
Total Dilute Flow = 1583 GPD

Regulated Total Max. Flow
2056

Dilute 1

Cooling Water 1583

Sanitary 2533

Total Flow to POTW 6172

Water from City

Year 2010	Days	Gallon Flow	
		Average	Total
6-8 to7-9	31	4906	152100
7-9 to8-9	31	3848	119300
8-9 to9-13	35	3894	136300
9-13 to10-8	25	3784	94600
10-8 to11-10	33	2945	97200
11-10 to12-8	28	4296	120300

Avg.Flow 3946
Max.Flow 4906

Total Process Flow to City

Year 2010	Days	Gallon Flow	
		Average	Total
6-1 to7-1	30	2832	84969
7-1 to8-2	32	2680	85766
8-2 to9-2	31	3639	112824
9-2 to10-1	29	2927	84876
10-1 to11-1	31	2959	91743
11-1 to12-1	30	2939	88166

Avg.used 2996
Max.used 3639



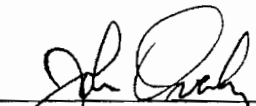
December 7, 2010
Control No. 143610
Page 1 of 5

MacLean ESNA
ATTN: Mr. Steve Thielemier
611 Country Club Road
Pocahontas, AR 72455

This report contains the analytical results and supporting information for samples submitted on December 1, 2010. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Laboratory Director or a qualified designee.



John Overbey
Laboratory Director

MacLean ESNA
611 Country Club Road
Pocahontas, AR 72455

SAMPLE INFORMATION

Project Description:

Two (2) water sample(s) received on December 1, 2010
P.O. No. 20926

Receipt Details:

A Chain of Custody was provided. The samples were delivered in one (1) ice chest.
Ice chest #1 was delivered with shipping documentation.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

Sample Identification:

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Sampled Date/Time</u>	<u>Notes</u>
143610-1	001 11-30-10 8:01am	30-Nov-2010 0801	
143610-2	001 11-29-10 10:05am	29-Nov-2010 1005	

Case Narrative:

There were no qualifiers for this data and all samples met quality control criteria.

References:

"Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
"Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
"Standard Methods for the Examination of Water and Wastewaters", 20th edition, 1998.
"American Society for Testing and Materials" (ASTM).
"Association of Analytical Chemists" (AOAC).

MacLean ESNA
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ANALYTICAL RESULTS

AIC No. 143610-1

Sample Identification: 001 11-30-10 8:01am

Analyte	Result	RL	Units	Qualifier
Total Cyanide SM4500-CN C,E	< 0.01 Analyzed: 06-Dec-2010 0936 by 258	0.01	mg/l Batch: W34622	
	Prep: 03-Dec-2010 0905 by 292			

AIC No. 143610-2

Sample Identification: 001 11-29-10 10:05am

Analyte	Result	RL	Units	Qualifier
Cadmium EPA 200.7	0.015 Analyzed: 02-Dec-2010 1242 by 270	0.004	mg/l Batch: S29045	
	Prep: 01-Dec-2010 1506 by 270			
Chromium EPA 200.7	0.034 Analyzed: 02-Dec-2010 1242 by 270	0.007	mg/l Batch: S29045	
	Prep: 01-Dec-2010 1506 by 270			
Copper EPA 200.7	0.036 Analyzed: 02-Dec-2010 1242 by 270	0.006	mg/l Batch: S29045	
	Prep: 01-Dec-2010 1506 by 270			
Lead EPA 200.7	< 0.04 Analyzed: 02-Dec-2010 1242 by 270	0.04	mg/l Batch: S29045	
	Prep: 01-Dec-2010 1506 by 270			
Nickel EPA 200.7	0.069 Analyzed: 02-Dec-2010 1242 by 270	0.01	mg/l Batch: S29045	
	Prep: 01-Dec-2010 1506 by 270			
Silver EPA 200.7	< 0.007 Analyzed: 02-Dec-2010 1242 by 270	0.007	mg/l Batch: S29045	
	Prep: 01-Dec-2010 1506 by 270			
Zinc EPA 200.7	0.16 Analyzed: 02-Dec-2010 1242 by 270	0.002	mg/l Batch: S29045	
	Prep: 01-Dec-2010 1506 by 270			



MACLEAN-ESNA

Shipping Order #:

5290

611 Country Club Road
Pocahontas, Arkansas 72455

(870) 892-5201

Sold To
 ARKANSAS DEPT OF ENVIRONMENTAL QUALITY
 5301 NORTSHORE DRIVE
 NORTH LITTLE ROCK AR. 72118-531
 WATER DIVISION

Ship To
 ARKANSAS DEPT OF ENVIRONMENTAL QUALITY
 5301 NORTSHORE DRIVE
 NORTH LITTLE ROCK AR. 72118-531
 WATER DIVISION

Terms: FOB: Carrier: LETTER UPS RED PO#: Date 12/16/2010 Collect Prepaid

Ordered	Shipped	ItemNumber	Description	Shop Order
	1		POTW SEMI ANNUAL REPORT	
			ATTN: WATER DIVISION	

IT IS UNDERSTOOD AND AGREED THAT CONSIGNEE ACCEPTS THE MATERIALS OR ARTICLES LISTED ABOVE SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HEREIN AND IN THE RELATED PURCHASE ORDER
 IMPORTANT - Unless notified by consignee of any errors in quantities within 3 days after receipt, our count will be considered as final and concl
 All materials or articles shipped for processing, repair or construction work, unless charged to consignee, will be deemed to be held by consignee as upon consignment, and consignee agrees to pay for all articles or materials not satisfactorily accounted for.

DateOfShipment 12/16/2010	NumberOfContainers LETTER	Weight	ShippingDept: JIM THACKER	CheckedBy:
ReleasingDept S. THIELEMIER/ J. ORRICK	Class	ReceivedBy:		

Jim Thacker

Signature

12-16-10

Date