

MACLEAN-ESNA

Shipping Order #:

6671

611 Country Club Road

(870) 892-5201

Date: 6/22/2011

Pocahontas, Arkansas 72455

Sold To
 ARK DEPT. OF ENVIRONMENTAL Q
 5301 NORTSHORE DRIVE
 NORTH LITTLE ROCK, AR 72118-5317

Ship To
 ARK DEPT. OF ENVIRONMENTAL Q
 5301 NORTSHORE DRIVE
 NORTH LITTLE ROCK, AR 72118-5317
 ATTN: WATER DIVISION

Terms: FOB: Carrier: UPS NDA PO#:

Ordered	Shipped	ItemNumber	Description	Notes
		1	POTW SEMI ANNUAL REPORT	

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 conclusive.

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 6/22/2011	NumberOfContainers 1 PKG	Weight	ShippingDept: D. Boucher	CheckedBy:
ReleasingDept. S THELEMIER/J ORRICK	Class	ReceivedBy:		

Donald Boucher

Signature

6/22/11

Date

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

<p>A. LEGAL NAME & MAILING ADDRESS</p> <p>Mac-Lean ESNA 611 County Club Road Pocahontas, AR 72455</p>	<p>B. FACILITY & LOCATION ADDRESS</p> <p>Mac-Lean ESNA 611 County Club Road Pocahontas, AR 72455</p>
<p>C. FACILITY CONTACT: Jeff Orrick TELEPHONE NUMBER: 870-892-5201 Ext: 248 e-mail: jorrick@macleanfogg.com</p>	

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

<p>A. MONTHS WHICH REPORTS ARE DUE</p> <p align="center"><u>June & December</u></p>	<p>B. PERIOD COVERED BY THIS REPORT</p> <p>FROM: <u>January 2011</u> TO: <u>June 2011</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><input type="checkbox"/> Electroplating <input type="checkbox"/> Electroless Plating <input type="checkbox"/> Anodizing <input checked="" type="checkbox"/> Coating <input type="checkbox"/> Chemical Etching and Milling <input type="checkbox"/> Printed Circuit Board Manufacture</p> <p><u>ANCILLARY PROCESS(ES)*</u></p> <p>LIST BELOW EACH PROCESS USED IN THE FACILITY</p> <p><u>Rust Removal</u></p> <p><u>Passive Rinse Tank</u></p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</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> <p align="center">None</p>
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*SEE 40CFR433.10(a) FOR 40 DIFFERENT OPERATIONS

<p>C. Number of Regular Employees at this Facility: 78</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)	1791	2080	Continuous
Regulated (Cyanide)	0	0	N/A
' 403.6(e) Unregulated*	0	0	N/A
' 403.6(e) Dilute	1	1	Continuous
Cooling Water**	1378	1600	Continuous
Sanitary** <i>incorrect HB</i>	1242	1480	Continuous
Total Flow to POTW	4411	5160	*****

***"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	0.0065	0.056	0.11	< 0.04	0.12	< 0.007	0.17	< 0.01	TOMP
Ave Measured	0.0065	0.056	0.11	< 0.04	0.12	< 0.007	0.17	< 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

correct

(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)

D10-7 6/22/11
(Corporate Officer or authorized representative)

B. CHECK ONE: G '433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED G '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.

Dave Merwitz

(Typed Name)

(Corporate Officer or authorized representative)

Date of Signature D10-7 6-22-11

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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.

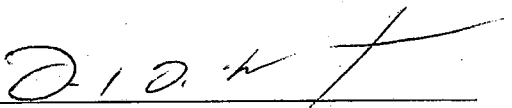
The User may list any new or ongoing Pollution Prevention practices:

(8) GENERAL COMMENTS

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

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

6/22/11
DATE SIGNED

Date 6/14/2011

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
1791	divided by	3169	=	0.565

Water from City

Year 2011	Days	Gallon Flow	
		Average	Total
12-8 to 1-6	29	2669	77400
1-6 to 2-8	33	3079	101600
2-8 to 3-7	27	2907	78500
3-7 to 4-6	30	3833	115000
4-6 to 5-6	30	3880	116400
5-6 to 6-7	32	3481	111400

Avg.Flow 3308
Max.Flow 3880

Total Process Flow to City

Year 2011	Days	Gallon Flow	
		Average	Total
12-1 to 1-3	33	2492	82248
1-3 to 2-1	29	3237	93876
2-1 to 3-1	28	3051	85431
3-1 to 4-1	31	2872	89025
4-1 to 5-4	34	3680	125109
5-4 to 6-2	29	3679	106704

Avg.used 3169
Max.used 3680

Avg Flow for 12-1-10 to 6-1-11

1102 GPD	Well Water	1102 GPD	Hydraulic Press non-contact cooling water - non-regulated dilution
		276 GPD	Lepel Induction Heater non-contact cooling water - non-regulated dilution
		1085 GPD	Passivate rinse tank - regulated
2066 GPD	City Water	689 GPD	Rust Removal rinse tank - regulated
		17 GPD	Product Deburring - regulated
		1 GPD	Air compressor blow down - dilute

Water used from City
3308 GPD

IN
1791 GPD Aeration Mixing Basin

OUT TO CITY
3,169 GPD

Total Regulated = 1791 GPD
Total Dilute Flow = 1379 GPD

	Avg. Flow
Regulated Total	1791
Dilute	1
Cooling Water	1378
Sanitary	1242
Total Flow to POTW	4411

Max Flow for 12-1-09 to 6-1-10

1280 GPD	Well Water	1280 GPD	Hydraulic Press non-contact cooling water - non-regulated dilution
		320 GPD	Lepel Induction Heater non-contact cooling water - non-regulated dilution
		1259 GPD	Passivate rinse tank - regulated
2400 GPD	City Water	800 GPD	Rust Removal rinse tank - regulated
		19 GPD	Product Deburring - regulated
		1 GPD	Air compressor blow down - dilute

Water used from City
3880 GPD

IN
2080 GPD Aeration Mixing Basin

OUT TO CITY
3,680 GPD

Total Regulated = 2080 GPD
Total Dilute Flow = 1601 GPD

	Max. Flow
Regulated Total	2080
Dilute	1
Cooling Water	1600
Sanitary	1480
Total Flow to POTW	5160

5
10
15
20

Extremely Urgent

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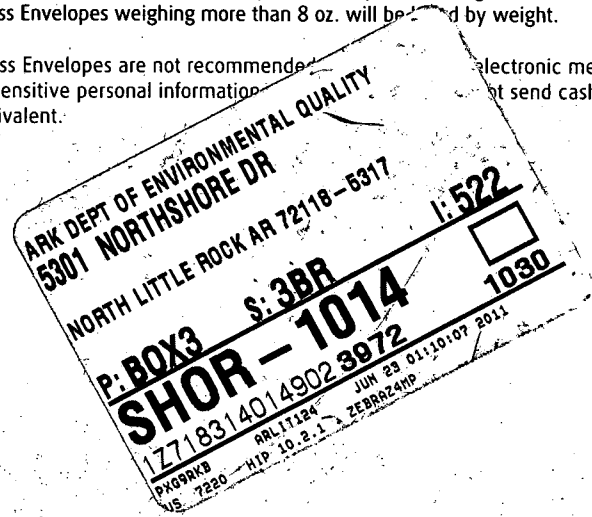
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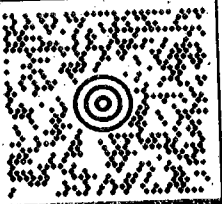

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LTR 1 OF 1

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MACLEAN - ESNA
611 COUNTRY CLUB RD
POCAHONTAS AR 72455

SHIP TO:
WATER DIVISION
ARK. DEPT OF ENVIRONMENTAL QUALITY
5301 NORTSHORE DRIVE
N LITTLE ROCK AR 72118-5317

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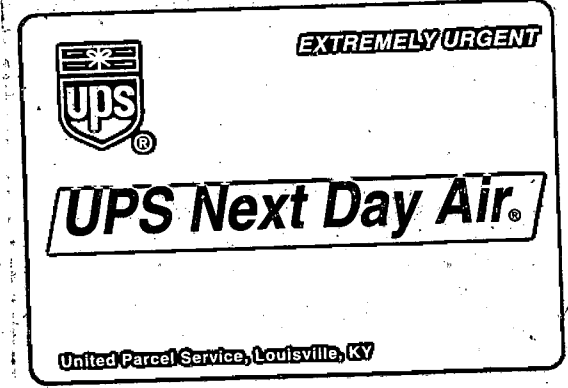
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