

## Wilson, Tabatha

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**From:** Gilliam, Allen  
**Sent:** Friday, January 24, 2014 2:26 PM  
**To:** Thielemier, Steve  
**Cc:** Ryan, Will; Wilson, Tabatha; Fuller, Kim; pocawater@suddenlinkmail.com  
**Subject:** AR0034835\_MacLean ESNA ARP001048 Dec 2013 semi annual Pretreatment report and ADEQ reply\_20140124  
**Attachments:** [Untitled].pdf

Steve and Will,

MacLean's December 2013 semi-annual Pretreatment report (attached) was electronically received on 1/16/14, reviewed, deemed complete and compliant with the Federal Pretreatment Reporting requirements in 40 CFR 403.12(e) and more specifically compliant with the Metal Finishing standards in 40 CFR 433 using the combined wastestream formula (CWF) in 40 CFR 403.6(e).

Again, thank you for showing your calculations taking into account the dilution stream in the CWF. The CWF conversion factor has remained at 0.565 for a number of years. Please ensure your regulated and dilution flows reported are accurate measurements.

Unless MacLean's authorized representative (Mr. Dave Merwitz) has changed there are no further actions deemed necessary at this time.

Congratulations on your well-deserved retirement Steve and welcome Mr. Ryan. MacLean ESNA's semi-annual reports are due during the months of June and December each year.

Thank you Steve for your cooperation over the years complying with the Federal Pretreatment Program's requirements.

If there are further questions or concerns please feel free to contact this office.

Allen Gilliam  
ADEQ State Pretreatment Coordinator  
501.682.0625

ec: William Daniel, City of Pocahontas Wastewater Manager

E/NPDES/NPDES/Pretreatment/Reports

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**From:** Thielemier, Steve [<mailto:SThielemier@macleanfogg.com>]  
**Sent:** Thursday, January 16, 2014 1:57 PM  
**To:** Gilliam, Allen  
**Cc:** Ryan, Will  
**Subject:** Pretreatment Report

Allen  
Here is the report for the second half of 2013 for Maclean/ Esna and if I can be of further help please let me know. I apologize for this not being done before now but I have been off work having knee replacement surgery. I have got back to work this Monday 1/13/14 and have been able to completed this. I also will be leaving Maclean/Esna as of 1/31/14. I

have been here for 40 years and I'm ready for a break. I would like to let you know that Donnie Autry has left Maclean/Esna as of 12/31/13. Will Ryan will be the contact here in the future his phone # 1-870-892-4789 E-Mail is [WRyan@macleanfogg.com](mailto:WRyan@macleanfogg.com).

Thanks Steve



**Steve Thielemier** | Maintenance Supervisor  
**MacLean-ESNA**  
611 Country Club Road, Ar 72455 | ([Map](#))  
Office +1 870-892-4761 |  
[www.macleanfoggcs.com](http://www.macleanfoggcs.com)

# SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40CFR433

Use of this form is not an EPA/ADEQ requirement.

Attn: Water Div/NPDES

## (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: Cliff Hufstedler

TELEPHONE NUMBER: 870-892-4707

e-mail: CHufstedler@macleanfogg.com

## (2) REPORTING PERIOD--FISCAL YEAR From 2013 to 2013 (Both Semi-Annual Reports must cover Fiscal Year)

**A. MONTHS WHICH REPORTS ARE DUE**

June & December

**B. PERIOD COVERED BY THIS REPORT**

FROM: July 2013

TO: December 2013

## (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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**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

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

C. Number of Regular Employees at this Facility: 87

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)	2038	2263	Continuous
Regulated (Cyanide)	0	0	N/A
' 403.6(e) Unregulated*	0	0	N/A
' 403.6(e) Dilute**	98	109	Continuous
Cooling Water**	1568	1741	Continuous
Sanitary	1198	1300	Continuous
Total Flow to POTW	4805	5306	*****

\*\*"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	0.013	0.210	0.310	<0.04	0.310	<0.007	0.310	<0.01	TOMP
Ave Measured	0.013	0.210	0.310	<0.04	0.310	<0.007	0.310	<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

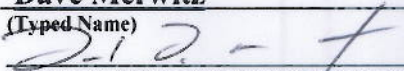
(6) CERTIFICATION

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)

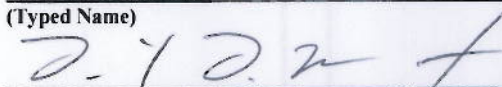
  
(Corporate Officer or authorized representative)

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.

Dave Merwitz

(Typed Name)

  
(Corporate Officer or authorized representative)

Date of Signature 1-15-14

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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(l)]

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

D. Merwitz  
SIGNATURE

General Manager  
OFFICIAL TITLE

1-15-14  
DATE SIGNED

Date 1/15/2014

### 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
2038	divided by	3607	=	0.565



### Water from City

Year 2013	Days	Gallon Flow	
		Average	Total
6-10 to 7-9	29	3176	92100
7-9 to 8-8	30	4020	120600
8-8 to 9-9	32	3684	117900
9-9 to 10-7	28	3996	111900
10-7 to 11-7	31	3623	112300
11-7 to 12-9	32	3381	108200
		Avg.Flow	3647
		Max.Flow	4020

### Total Process Flow to City

Year 2013	Days	Gallon Flow	
		Average	Total
5-31 to 7-1	31	4006	124173
7-1 to 8-3	33	3943	130121
8-3 to 9-3	31	3884	120415
9-3 to 10-1	28	4003	112083
10-1 to 11-1	31	3873	120057
11-1 to 12-3	32	1933	61855
		Avg.used	3607
		Max.used	4006

**Max Flow for 6-1-1 to 12-1-13**

1393 GPD	Well Water	1393 GPD	Hydraulic Press non-contact cooling water - non-regulated dilution	
348 GPD		348 GPD	Lepel Induction Heater non-contact cooling water - non-regulated dilution	
1371 GPD		1371 GPD	Passivate rinse tank - regulated	Water used from City 4020 GPD
2720 GPD	City Water	871 GPD	Rust Removal rinse tank - regulated	IN 2263 GPD Aeration Mixing Basin
		21 GPD	Product Deburring - regulated	OUT TO CITY 4,006 GPD
		104 GPD	Mop water - dilute	
		1 GPD	Salt Spray blow down - dilute	Total Regulated = 2263 GPD
		2.8 GPD	Lab - dilute	
		1 GPD	Air compressor blow down - dilute	Total Dilute Flow = 1850 GPD
		1 GPD	Boiler blow down - dilute	
			Regulated Total	
			Avg. Flow	
			2263	
			Dilute	
			109	
			Cooling Water	
			1741	
			Sanitary	
			1300	
			Total Flow to POTW	
			5306	

**Avg Flow for 6-1-1 to 12-1-13**

1254 GPD	Well Water	1254 GPD	Hydraulic Press non-contact cooling water - non-regulated dilution
314 GPD		314 GPD	Lepel Induction Heater non-contact cooling water - non-regulated dilution
1234 GPD		1234 GPD	Passivate rinse tank - regulated
2449 GPD	City Water	784 GPD	Rust Removal rinse tank - regulated
		19 GPD	Product Deburring - regulated
		93 GPD	Mop water - dilute
		1 GPD	Salt Spray blow down - dilute
		2.5 GPD	Lab - dilute
		1 GPD	Air compressor blow down - dilute
		1 GPD	Boiler blow down - dilute
			<b>Regulated Total</b>
			<b>Dilute</b>
			<b>Cooling Water</b>
			<b>Sanitary</b>
			<b>Total Flow to POTW</b>
			<b>Avg. Flow</b>
			2038
			98
			1568
			1198
			4805
			<b>Total Regulated =</b>
			2038 GPD
			<b>Total Dilute Flow =</b>
			1666 GPD

Water used from City  
3647 GPD

IN  
2038 GPD Aeration Mixing Basin  
OUT TO CITY  
3,607 GPD




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 September 27, 2013. 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

This document has been distributed to the following:

PDF cc: MacLean ESNA  
ATTN: Mr. Steve Thielemier  
sthielemier@macleanfogg.com

MacLean ESNA  
611 Country Club Road  
Pocahontas, AR 72455

**SAMPLE INFORMATION**

**Project Description:**

Two (2) water sample(s) received on September 27, 2013  
P.O. No. 25857-00

**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>
170998-1	001 9-26-13 8:03am	26-Sep-2013 0803	1
170998-2	001 9-25-13 10:04am 9-26-13 10:00am	26-Sep-2013 1000	

**Notes:**

1. Received temperature of samples did not meet regulatory requirements

**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", 21st edition.  
"American Society for Testing and Materials" (ASTM).  
"Association of Analytical Chemists" (AOAC).

MacLean ESNA  
611 Country Club Road  
Pocahontas, AR 72455

**ANALYTICAL RESULTS**

**AIC No. 170998-1**

**Sample Identification:** 001 9-26-13 8:03am

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
<b>Total Cyanide</b> SM 4500-CN C,E	<b>&lt; 0.01</b> Analyzed: 01-Oct-2013 1624 by 308	<b>0.01</b>	<b>mg/l</b> Batch: W45091	
	Prep: 30-Sep-2013 1336 by 308			

**AIC No. 170998-2**

**Sample Identification:** 001 9-25-13 10:04am 9-26-13 10:00am

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
<b>Cadmium</b> EPA 200.8	<b>0.013</b> Analyzed: 27-Sep-2013 1516 by 305	<b>0.004</b>	<b>mg/l</b> Batch: S35484	
	Prep: 27-Sep-2013 1314 by 305			
<b>Chromium</b> EPA 200.8	<b>0.21</b> Analyzed: 27-Sep-2013 1516 by 305	<b>0.007</b>	<b>mg/l</b> Batch: S35484	
	Prep: 27-Sep-2013 1314 by 305			
<b>Copper</b> EPA 200.8	<b>0.31</b> Analyzed: 27-Sep-2013 1516 by 305	<b>0.006</b>	<b>mg/l</b> Batch: S35484	
	Prep: 27-Sep-2013 1314 by 305			
<b>Lead</b> EPA 200.8	<b>&lt; 0.04</b> Analyzed: 27-Sep-2013 1516 by 305	<b>0.04</b>	<b>mg/l</b> Batch: S35484	
	Prep: 27-Sep-2013 1314 by 305			
<b>Nickel</b> EPA 200.8	<b>0.31</b> Analyzed: 27-Sep-2013 1516 by 305	<b>0.01</b>	<b>mg/l</b> Batch: S35484	
	Prep: 27-Sep-2013 1314 by 305			
<b>Silver</b> EPA 200.8	<b>&lt; 0.007</b> Analyzed: 27-Sep-2013 1516 by 305	<b>0.007</b>	<b>mg/l</b> Batch: S35484	
	Prep: 27-Sep-2013 1314 by 305			
<b>Zinc</b> EPA 200.8	<b>0.31</b> Analyzed: 27-Sep-2013 1516 by 305	<b>0.002</b>	<b>mg/l</b> Batch: S35484	
	Prep: 27-Sep-2013 1314 by 305			



MacLean ESNA  
611 Country Club Road  
Pocahontas, AR 72455

**LABORATORY CONTROL SAMPLE RESULTS**

<u>Analyte</u>	<u>Spike Amount</u>	<u>%</u>	<u>Limits</u>	<u>RPD</u>	<u>Limit</u>	<u>Batch</u>	<u>Preparation Date</u>	<u>Analysis Date</u>	<u>Dil</u>	<u>Qual</u>
Total Cyanide	0.1 mg/l	92.1	85.0-115			W45091	30Sep13 1336 by 308	01Oct13 1622 by 308		
Cadmium	0.05 mg/l	94.7	85.0-115			S35484	27Sep13 1035 by 305	27Sep13 1313 by 305		
Chromium	0.05 mg/l	95.8	85.0-115			S35484	27Sep13 1035 by 305	27Sep13 1313 by 305		
Copper	0.05 mg/l	101	85.0-115			S35484	27Sep13 1035 by 271	27Sep13 1313 by 305		
Lead	0.05 mg/l	98.1	85.0-115			S35484	27Sep13 1035 by 305	27Sep13 1313 by 305		
Nickel	0.05 mg/l	95.7	85.0-115			S35484	27Sep13 1035 by 305	27Sep13 1313 by 305		
Silver	0.02 mg/l	103	85.0-115			S35484	27Sep13 1035 by 305	27Sep13 1313 by 305		
Zinc	0.05 mg/l	104	85.0-115			S35484	27Sep13 1035 by 305	27Sep13 1313 by 305		

**MATRIX SPIKE SAMPLE RESULTS**

<u>Analyte</u>	<u>Sample</u>	<u>Spike Amount</u>	<u>%</u>	<u>Limits</u>	<u>Batch</u>	<u>Preparation Date</u>	<u>Analysis Date</u>	<u>Dil</u>	<u>Qual</u>
Total Cyanide	170998-1	0.1 mg/l	89.8	75.0-125	W45091	30Sep13 1336 by 308	01Oct13 1626 by 308		
	170998-1	0.1 mg/l	101	75.0-125	W45091	30Sep13 1336 by 308	01Oct13 1628 by 308		
	Relative Percent Difference:		11.6	20.0	W45091				
Cadmium	170949-1	0.05 mg/l	90.7	75.0-125	S35484	27Sep13 1035 by 305	27Sep13 1318 by 305		
	170949-1	0.05 mg/l	90.7	75.0-125	S35484	27Sep13 1035 by 305	27Sep13 1323 by 305		
	Relative Percent Difference:		0.0926	20.0	S35484				
Chromium	170949-1	0.05 mg/l	93.8	75.0-125	S35484	27Sep13 1035 by 305	27Sep13 1318 by 305		
	170949-1	0.05 mg/l	94.4	75.0-125	S35484	27Sep13 1035 by 305	27Sep13 1323 by 305		
	Relative Percent Difference:		0.584	20.0	S35484				
Copper	170949-1	0.05 mg/l	91.3	75.0-125	S35484	27Sep13 1035 by 271	27Sep13 1318 by 305		
	170949-1	0.05 mg/l	92.2	75.0-125	S35484	27Sep13 1035 by 271	27Sep13 1323 by 305		
	Relative Percent Difference:		0.961	20.0	S35484				
Lead	170949-1	0.05 mg/l	92.8	75.0-125	S35484	27Sep13 1035 by 305	27Sep13 1318 by 305		
	170949-1	0.05 mg/l	93.2	75.0-125	S35484	27Sep13 1035 by 305	27Sep13 1323 by 305		
	Relative Percent Difference:		0.489	20.0	S35484				
Nickel	170949-1	0.05 mg/l	83.1	75.0-125	S35484	27Sep13 1035 by 305	27Sep13 1318 by 305		
	170949-1	0.05 mg/l	83.9	75.0-125	S35484	27Sep13 1035 by 305	27Sep13 1323 by 305		
	Relative Percent Difference:		0.945	20.0	S35484				
Silver	170949-1	0.02 mg/l	96.5	75.0-125	S35484	27Sep13 1035 by 305	27Sep13 1318 by 305		
	170949-1	0.02 mg/l	98.0	75.0-125	S35484	27Sep13 1035 by 305	27Sep13 1323 by 305		
	Relative Percent Difference:		1.49	20.0	S35484				
Zinc	170949-1	0.05 mg/l	87.7	75.0-125	S35484	27Sep13 1035 by 305	27Sep13 1318 by 305		
	170949-1	0.05 mg/l	87.2	75.0-125	S35484	27Sep13 1035 by 305	27Sep13 1323 by 305		
	Relative Percent Difference:		0.444	20.0	S35484				



MacLean ESNA  
 611 Country Club Road  
 Pocahontas, AR 72455

**LABORATORY BLANK RESULTS**

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>PQL</u>	<u>QC Sample</u>	<u>Preparation Date</u>	<u>Analysis Date</u>	<u>Qual</u>
Total Cyanide	< 0.01 mg/l	0.01	0.01	W45091-1	30Sep13 1336 by 308	01Oct13 1620 by 308	
Cadmium	< 0.004 mg/l	0.004	0.004	S35484-1	27Sep13 1035 by 305	27Sep13 1307 by 305	
Chromium	< 0.007 mg/l	0.007	0.007	S35484-1	27Sep13 1035 by 305	27Sep13 1307 by 305	
Copper	< 0.006 mg/l	0.006	0.006	S35484-1	27Sep13 1035 by 271	27Sep13 1307 by 305	
Lead	< 0.04 mg/l	0.04	0.04	S35484-1	27Sep13 1035 by 305	27Sep13 1307 by 305	
Nickel	< 0.01 mg/l	0.01	0.01	S35484-1	27Sep13 1035 by 305	27Sep13 1307 by 305	
Silver	< 0.007 mg/l	0.007	0.007	S35484-1	27Sep13 1035 by 305	27Sep13 1307 by 305	
Zinc	< 0.002 mg/l	0.002	0.002	S35484-1	27Sep13 1035 by 305	27Sep13 1307 by 305	





CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client: <u>MACLEAN / ESNA</u>		AIC Control No: <u>170998</u>	
Project Reference:		AIC Proposal No:	
Project Manager: <u>STEVE THIELEMER</u>		Carrier:	
Sampled By: <u>STEVE THIELEMER</u>		Received Temperature °C: <u>19.8</u>	
AIC No. <u>1 001</u>		Remarks:	
Date/Time Collected: <u>9-26-13 8:03 AM</u>			
AIC No. <u>2 001</u>			
Date/Time Collected: <u>9-25-13 10:04 AM</u>			
AIC No. <u>001</u>			
Date/Time Collected: <u>9-26-13 10:00 AM</u>			
Container Type: _____		Field pH calibration on _____ @ _____	
Preservative: _____		T = Sodium Thiosulfate Z = Zinc acetate	
G = Glass NO = none P = Plastic S = Sulfuric acid pH2		H = HCl to pH2 B = NaOH to pH12	
Turnaround Time Requested: (Please circle) <u>(NORMAL)</u> or EXPEDITED IN _____ DAYS		Received Date/Time: <u>9-26-13 9:09 AM</u>	
Expedited results requested by: _____		By: <u>Jim Thucha</u>	
Who should AIC contact with questions: Phone: <u>810-892-4761</u> Fax: _____		Received in Lab Date/Time: <u>9-27-13 10:15</u>	
Report Attention to: <u>STEVE THIELEMER</u>		By: <u>Steve Thucha</u>	
Report Address to: _____		Comments: <u>12718 314035178 4919</u>	





# MACLEAN-ESNA

Shipping Order #:

7648

611 Country Club Road

(870) 892-5201

Date: 9/26/2013

Pocahontas, Arkansas 72455

Sold To  
 AMERICAN INTERPLEX  
 8600 KANIS ROAD  
 LITTLE ROCK AR 72204

Ship To  
 AMERICAN INTERPLEX  
 8600 KANIS ROAD  
 LITTLE ROCK AR 72204

Terms: FOB: Carrier: UPS NDA PO#:

Ordered	Shipped	ItemNumber	Description	Notes
	1		001 OUTFALL SAMPLE TO BE TESTED FOR	
			--- METALS AND CYANIDE	

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 9/26/2013	NumberOfContainers 1 PKG	Weight 11 #	ShippingDept: D. Boucher	CheckedBy:
ReleasingDept. S THELEMIER/C BARKER	Class	ReceivedBy:		

*Donald Boucher*

Signature

26 SEPT 13

Date