

## Gage, Hannah

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**From:** Johnson, Lindsay  
**Sent:** Tuesday, February 14, 2017 7:59 AM  
**To:** Mark Moore  
**Cc:** Yates, Adam; Leamons, Bryan; McWilliams, Carrie; Gage, Hannah  
**Subject:** AR0034835\_ESNA ARP001048 December 2016 semi annual Pretreatment report\_20170214  
**Attachments:** State Weir results 2016.pdf

Good Morning,

ESNA's December 2016 semi-annual report was electronically received, reviewed, and deemed complete and compliant with the reporting requirements in 40 CFR 403.12(e). The report was also compliant with the Metal Finishing Standards in 40 CFR 433.14 using the combined wastestream formula in 40 CFR 403.6(e).

It was noted that the noncontact cooling water has been moved to go into the sanitary system.

Thank you for the timely report and apologize for the delayed response on our end.

Have a great day,

*Lindsay Johnson*  
*NPDES Staff Engineer*  
*ADEQ-Office of Water Quality*  
*(501)682-0045*

E/NPDES/NPDES/Pretreatment/Reports

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**From:** Yates, Adam  
**Sent:** Monday, February 13, 2017 4:27 PM  
**To:** Mark Moore  
**Cc:** Johnson, Lindsay  
**Subject:** RE: Semi Annual Reports

Mr. Moore,

Yes, I have received the semi-annual reports from ESNA and you will receive an official response shortly. I apologize for not responding to your initial e-mail in a timely manner. At that time, the Department was still evaluating the "Pretreatment workload" and how best to handle it. Currently, the work is split between myself and Ms. Lindsay Johnson. Lindsay has been tasked with the review of your report and she has already completed several so I am sure you will hear from her soon.

Thank you for your patience thus far, and please bear with us as we adjust to our new duties. If you have any questions or concerns, please feel free to contact either Lindsay or myself.

Kindly,

Adam Yates  
Engineer, NPDES Permits Section

Office of Water Quality  
Arkansas Department of Environmental Quality  
Phone: (501) 682-0617  
Fax: (501) 682-0880

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**From:** Mark Moore [<mailto:mmoore@esnaproducts.com>]  
**Sent:** Monday, February 13, 2017 11:16 AM  
**To:** Yates, Adam  
**Subject:** Semi Annual Reports

Mr. Yates,

I was wondering if you had received the reports from ESNA for the semi-annual weir test. I have not seen any of the reports saying we are okay. I know Mr. Gilliam gave me an unofficial they looked fine, but was wondering if we will be receiving an official copy.

Thank you,

**Mark Moore**

Plant Manager  
611 Country Club Road Pocahontas, AR 72455  
Phone: 870.892.4789 cell: 870.378.7024  
[mmoore@esnaproducts.com](mailto:mmoore@esnaproducts.com)



**SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40 CFR 433**

Use of this form is not an ADEQ requirement, but satisfies the reporting requirements in 40 CFR 403.12(e)

Attn: Water Div/NPDES Pretreatment

**(1) IDENTIFYING INFORMATION and NPDES Pretreatment Tracking # \_\_\_\_\_**

<p><b>A. LEGAL NAME &amp; MAILING ADDRESS</b></p> <p>ESNA 611 Country Club Road Pocahontas, Ark 72455</p>	<p><b>B. FACILITY &amp; LOCATION ADDRESS</b></p> <p>ESNA 611 Country Club Road Pocahontas, Ark 72455</p>
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**C. FACILITY CONTACT: Mark Moore    TELEPHONE NUMBER: 870-892-4789    e-mail: mmoore@esnaproducts.com**

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

<p><b>A. MONTHS WHICH REPORTS ARE DUE</b></p> <p><u>June</u> &amp; <u>December</u></p>	<p><b>B. PERIOD COVERED BY THIS REPORT</b></p> <p><b>FROM: July - 2016                      TO: December - 2016</b></p>
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**(3) DESCRIPTION OF OPERATION**

<p><b>A. REGULATED PROCESSES</b></p> <p><u><b>CORE PROCESS(ES)</b></u></p> <p>CHECK EACH APPLICABLE BLOCK</p> <p><b>G</b> Electroplating  <b>G</b> Electroless Plating  <b>G</b> Anodizing  <b>X</b> Coating (conversion)  <b>G</b> Chemical Etching and Milling  <b>G</b> Printed Circuit Board Manufacture</p> <p><u><b>ANCILLARY PROCESS(ES)*</b></u></p> <p>LIST BELOW EACH PROCESS USED IN THE FACILITY</p> <p><u>Passivate Rinse Tank</u></p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p><b>B. CHANGES:</b>    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><b>Noncontact cooling water from water Well which ran to Hydraulic press discharge and Lepel Induction Heater discharge was remove from the Aeration Mixing Basin and changed to go into the Sanitary system on 6-8-2016.</b></p>
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\*SEE 40CFR433.10(a) FOR THE 40 ANCILLARY OPERATIONS

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 &	700	1269	Continuous
Regulated (Cyanide)	N/A	N/A	N/A
' 403.6(e) Unregulated*	N/A	N/A	N/A
' 403.6(e) Dilute	23	38	Continuous
Cooling Water	N/A	N/A	N/A
Sanitary	3168	4217	Continuous
<b>Total Flow to POTW</b>	<b>3891</b>	<b>5524</b>	*****

\*If batch discharged please list the period of time of each batch discharge (300 gallons/day; 500 gallons/week, 2,000 gallons/3 months, etc). Do not normalize over that period for the average flow.

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

**(5) MEASUREMENT OF POLLUTANTS**

**A. TYPE OF TREATMENT SYSTEM**

CHECK EACH APPLICABLE BLOCK

- Neutralization
- Chemical Precipitation and Sedimentation
- Chromium Reduction
- Cyanide Destruction
- Other \_\_\_\_\_
- None

**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.**

40 CFR 433.15 Pollutant(mg/l) limits	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN	TTO*
Max for 1 day	.669	2.684	3.275	.669	3.856	.417	2.529	1.163	2.064
Monthly Avg	.252	1.657	2.006	.417	2.306	.233	1.434	.630	--
Max Measured	.0042	.056	.18	<.04	.094	<.007	.19	<.01	N/A
Avg Measured**	.0042	.056	.18	<.04	.094	<.007	.19	<.01	N/A

Sample Location Pretreatment system Effluent

Sample Type (Grab\* or Composite) Grab/Composite

If Grab sampled, list # of grabs over what period of time 1 over 24 hours and if composited by facility or the certified lab X.

Number of Samples and Frequency Collected 1 per Semi-Annual

40CFR136 Preservation and Analytical Methods Use:  Yes  No (include complete Chain of Custody)

\*If a TOMP has been submitted and approved by ADEQ place N/A.

\*\*A value here is the average of all samples taken during one (1) calendar month regardless of number of samples taken. If only one (1) sample is taken it must meet the monthly average limitation.

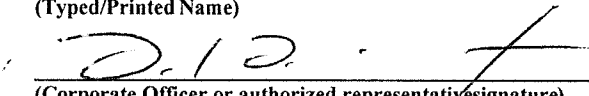
Indicate Combined Wastestream Factor (include calculations) if dilution streams commingle with regulated process wastestream: .969

**(6) CERTIFICATION (ONLY IF A TOMP HAS BEEN SUBMITTED/APPROVED BY ADEQ)**

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.

David Merwitz  
(Typed/Printed Name)

  
(Corporate Officer or authorized representative signature)

Date of Signature 12/19/2016

**(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 including Best or Environmental Management Practices, Source Reduction, Waste Minimization, Lean Manufacturing, Water and/or Energy Conservation:

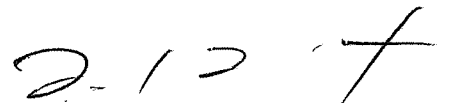
1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

(8) GENERAL COMMENTS

(9) SEMI-ANNUAL/PERIODIC REPORT CERTIFICATION STATEMENT REQUIRED UNDER 40 CFR 403.12(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.

David Merwitz  
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

  
SIGNATURE

General Manager  
OFFICIAL TITLE

12/19/2016  
DATE SIGNED

Water from City				Total Process Flow to City			
Year	2016 Days	Gal. Avg	Flow Total	Year	2016 Days	Gal. Avg	Flow Total
Jul	30	3173	95200	Jul	30	1307	39224
Aug	29	3334	96700	Aug	31	524	16230
Sep	31	4194	130000	Sep	31	730	22618
Oct	29	3545	102800	Oct	33	605	19970
Nov	32	3578	114500	Nov	28	453	12676
Dec	29	5524	160200	Dec	30	722	21655
		Avg Flow	3891			Avg. Used	723
		Max Flow	5524			Max Used	1307

1. Update months depending on 1st half or 2r
2. Update days on calendar basis
3. Get water bills as outlined in call out
4. Flow meter reading to be taken and record  
Maintenance Dept.

These are monthly readings from water bills. Water bills are located in Accounting department. Flow total column is only one that needs to be populated, rest will calculate.

These are monthly readings from flow meter at Weir (oil & water separation unit) located at Northeast corner of property. Reading to be taken first working day on or near the 8th day of each month.

## Avg Flow for 7-1-16 to 12-31-16

539 GPD	Passivate rinse tank - regulated		Water used from City 3891 GPD
157 GPD	Rust Removal rinse tank - regulated		
		IN 723 GPD	OUT TO CITY 723 GPD
4 GPD	Product Deburring - regulated	Aeration Mixing Basin	
19 GPD	Mop water - dilute		
1 GPD	Salt Spray blow down - dilute		Total Regulated = 700 GPD
1 GPD	Lab - dilute		
1 GPD	Air compressor blow down - dilute		Total Dilute Flow = 23 GPD
1 GPD	Boiler blow down - dilute		
	Avg. Flow		
	Regulated Total	700	
	Dilute	23	
	Sanitary	3168	
	Total Flow to POTW	3891	



## Max Flow for 7-1-16 to 12-31-16

976 GPD	Passivate rinse tank - regulated		Water used from City
			5524 GPD
286 GPD	Rust Removal rinse tank - regulated		
		IN	OUT TO CITY
		1307 GPD	1,307 GPD
		Aeration Mixing Basin	
7 GPD	Product Deburring - regulated		
34 GPD	Mop water - dilute		
1 GPD	Salt Spray blow down - dilute		
		Total Regulated =	1269 GPD
1 GPD	Lab - dilute		
1 GPD	Air compressor blow down - dilute		
		Total Dilute Flow =	38 GPD
1 GPD	Boiler blow down - dilute		
	Avg. Flow		
Regulated Total	1269		
Dilute	38		
Sanitary	4217		
Total Flow to POTW	5524		

PSES for All Plants Except Job Shops and Independent Printed Circuit Board Manufacturers

Pollutant or pollutant property	Maximum for any 1 day Milligrams per liter (mg/l)	Monthly average shall not exceed
Cadmium (T)	0.69	0.26
Chromium (T)	2.77	1.71
Copper (T)	3.38	2.07
Lead (T)	0.69	0.43
Nickel (T)	3.98	2.38
Silver (T)	0.43	0.24
Zinc (T)	2.61	1.48
Cyanide (T)	1.2	0.65
TTO	2.13	

Wastestream factor 0.969

Pollutant or pollutant property	Maximum for any 1 day Milligrams per liter (mg/l)	Monthly average shall not exceed
Cadmium (T)	0.669	0.252
Chromium (T)	2.684	1.657
Copper (T)	3.275	2.006
Lead (T)	0.669	0.417
Nickel (T)	3.856	2.306
Silver (T)	0.417	0.233
Zinc (T)	2.529	1.434
Cyanide (T)	1.163	0.630
TTO	2.064	

Waste Stream Factor

Total flow at Sample Point to City = Total Regulated + Total Dilute Flow

Combined wastestream factor is total regulated divided by total flow at sample point

Flow Total at Sample Point	Minus	Diluted Flow	Divided by	Flow Total at Sample Point	Equals	Waste Stream Factor
723			23	723		0.969

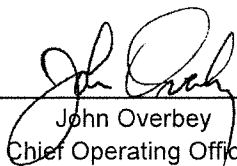


ESNA  
ATTN: Mr. Mark Moore  
611 Country Club Road  
Pocahontas, AR 72455

This report contains the analytical results and supporting information for samples submitted on November 10, 2016. 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 Chief Operating Officer or a qualified designee.



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John Overbey  
Chief Operating Officer

This document has been distributed to the following:

PDF cc: ESNA  
ATTN: Mr. Mark Moore  
mmoore@esnaproducts.com

ESNA  
611 Country Club Road  
Pocahontas, AR 72455

**SAMPLE INFORMATION**

**Project Description:**

Two (2) water sample(s) received on November 10, 2016  
433 Report - ADEQ  
P.O. No. 22-448-00

**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>
207207-1	001	09-Nov-2016 0405	
207207-2	002	09-Nov-2016 0405	

**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", (SM).

"American Society for Testing and Materials" (ASTM).

"Association of Analytical Chemists" (AOAC).

ESNA  
611 Country Club Road  
Pocahontas, AR 72455

**ANALYTICAL RESULTS**

**AIC No. 207207-1**

**Sample Identification: 001 09-Nov-2016 0405**

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
<b>Total Cyanide</b> SM 4500-CN C,E 1999	<b>&lt; 0.01</b>	0.01	<b>mg/l</b>	
Prep: 14-Nov-2016 1340 by 319	Analyzed: 14-Nov-2016 1741 by 319		Batch: W57817	

**AIC No. 207207-2**

**Sample Identification: 002 09-Nov-2016 0405**

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
<b>Cadmium</b> EPA 200.7	<b>0.0042</b>	0.004	<b>mg/l</b>	
Prep: 10-Nov-2016 1652 by 313	Analyzed: 11-Nov-2016 0935 by 308		Batch: S42080	
<b>Chromium</b> EPA 200.7	<b>0.056</b>	0.007	<b>mg/l</b>	
Prep: 10-Nov-2016 1652 by 313	Analyzed: 11-Nov-2016 0935 by 308		Batch: S42080	
<b>Copper</b> EPA 200.7	<b>0.18</b>	0.006	<b>mg/l</b>	
Prep: 10-Nov-2016 1652 by 313	Analyzed: 11-Nov-2016 0935 by 308		Batch: S42080	
<b>Lead</b> EPA 200.7	<b>&lt; 0.04</b>	0.04	<b>mg/l</b>	
Prep: 10-Nov-2016 1652 by 313	Analyzed: 11-Nov-2016 0935 by 308		Batch: S42080	
<b>Nickel</b> EPA 200.7	<b>0.094</b>	0.01	<b>mg/l</b>	
Prep: 10-Nov-2016 1652 by 313	Analyzed: 11-Nov-2016 0935 by 308		Batch: S42080	
<b>Silver</b> EPA 200.7	<b>&lt; 0.007</b>	0.007	<b>mg/l</b>	
Prep: 10-Nov-2016 1652 by 313	Analyzed: 11-Nov-2016 0935 by 308		Batch: S42080	
<b>Zinc</b> EPA 200.7	<b>0.19</b>	0.002	<b>mg/l</b>	
Prep: 10-Nov-2016 1652 by 313	Analyzed: 11-Nov-2016 0935 by 308		Batch: S42080	



ESNA  
611 Country Club Road  
Pocahontas, AR 72455

**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	0.1 mg/l	92.0	85.0-115			W57817	14Nov16 1340 by 319	14Nov16 1723 by 319		
Cadmium	5 mg/l	98.2	85.0-115			S42080	10Nov16 1652 by 313	11Nov16 0915 by 308		
Chromium	0.5 mg/l	98.3	85.0-115			S42080	10Nov16 1652 by 313	11Nov16 0915 by 308		
Copper	0.5 mg/l	95.8	85.0-115			S42080	10Nov16 1652 by 313	11Nov16 0915 by 308		
Lead	5 mg/l	97.0	85.0-115			S42080	10Nov16 1652 by 313	11Nov16 0915 by 308		
Nickel	0.5 mg/l	96.9	85.0-115			S42080	10Nov16 1652 by 313	11Nov16 0915 by 308		
Silver	0.1 mg/l	101	85.0-115			S42080	10Nov16 1652 by 313	11Nov16 0915 by 308		
Zinc	0.5 mg/l	98.3	85.0-115			S42080	10Nov16 1652 by 313	11Nov16 0915 by 308		

**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	207196-2	0.1 mg/l	91.8	75.0-125	W57817	14Nov16 1340 by 319	14Nov16 1726 by 319		
	207196-2	0.1 mg/l	90.0	75.0-125	W57817	14Nov16 1340 by 319	14Nov16 1728 by 319		
	Relative Percent Difference:		1.98	20.0	W57817				
Cadmium	207216-1	5 mg/l	96.6	75.0-125	S42080	10Nov16 1652 by 313	11Nov16 0919 by 308		
	207216-1	5 mg/l	98.3	75.0-125	S42080	10Nov16 1652 by 313	11Nov16 0923 by 308		
	Relative Percent Difference:		1.66	20.0	S42080				
Chromium	207216-1	0.5 mg/l	96.6	75.0-125	S42080	10Nov16 1652 by 313	11Nov16 0919 by 308		
	207216-1	0.5 mg/l	98.8	75.0-125	S42080	10Nov16 1652 by 313	11Nov16 0923 by 308		
	Relative Percent Difference:		2.24	20.0	S42080				
Copper	207216-1	0.5 mg/l	94.9	75.0-125	S42080	10Nov16 1652 by 313	11Nov16 0919 by 308		
	207216-1	0.5 mg/l	96.6	75.0-125	S42080	10Nov16 1652 by 313	11Nov16 0923 by 308		
	Relative Percent Difference:		1.76	20.0	S42080				
Lead	207216-1	5 mg/l	94.9	75.0-125	S42080	10Nov16 1652 by 313	11Nov16 0919 by 308		
	207216-1	5 mg/l	97.2	75.0-125	S42080	10Nov16 1652 by 313	11Nov16 0923 by 308		
	Relative Percent Difference:		2.44	20.0	S42080				
Nickel	207216-1	0.5 mg/l	94.7	75.0-125	S42080	10Nov16 1652 by 313	11Nov16 0919 by 308		
	207216-1	0.5 mg/l	96.9	75.0-125	S42080	10Nov16 1652 by 313	11Nov16 0923 by 308		
	Relative Percent Difference:		2.25	20.0	S42080				
Silver	207216-1	0.1 mg/l	100	75.0-125	S42080	10Nov16 1652 by 313	11Nov16 0919 by 308		
	207216-1	0.1 mg/l	102	75.0-125	S42080	10Nov16 1652 by 313	11Nov16 0923 by 308		
	Relative Percent Difference:		1.48	20.0	S42080				
Zinc	207216-1	0.5 mg/l	95.3	75.0-125	S42080	10Nov16 1652 by 313	11Nov16 0919 by 308		
	207216-1	0.5 mg/l	97.6	75.0-125	S42080	10Nov16 1652 by 313	11Nov16 0923 by 308		
	Relative Percent Difference:		2.23	20.0	S42080				



ESNA  
 611 Country Club Road  
 Pocahontas, AR 72455

**LABORATORY BLANK RESULTS**

Analyte	Result	RL	PQL	QC Sample	Preparation Date	Analysis Date	Qual
Total Cyanide	< 0.01 mg/l	0.01	0.01	W57817-1	14Nov16 1340 by 319	14Nov16 1721 by 319	
Cadmium	< 0.004 mg/l	0.004	0.004	S42080-1	10Nov16 1652 by 313	11Nov16 0911 by 308	
Chromium	< 0.007 mg/l	0.007	0.007	S42080-1	10Nov16 1652 by 313	11Nov16 0911 by 308	
Copper	< 0.006 mg/l	0.006	0.006	S42080-1	10Nov16 1652 by 313	11Nov16 0911 by 308	
Lead	< 0.04 mg/l	0.04	0.04	S42080-1	10Nov16 1652 by 313	11Nov16 0911 by 308	
Nickel	< 0.01 mg/l	0.01	0.01	S42080-1	10Nov16 1652 by 313	11Nov16 0911 by 308	
Silver	< 0.007 mg/l	0.007	0.007	S42080-1	10Nov16 1652 by 313	11Nov16 0911 by 308	
Zinc	< 0.002 mg/l	0.002	0.002	S42080-1	10Nov16 1652 by 313	11Nov16 0911 by 308	



207207

Shipping Order #:

8811

ESNA  
A NOVARIA GROUP COMPANY  
611 Country Club Road  
Pocahontas, Arkansas 72455  
(870) 892-5201

Date: 11/9/2016

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 RED PO#:

Ordered	Shipped	ItemNumber	Description	Notes
	1		WEIR SAMPLES	

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 11/9/2016	NumberOfContainers 1 PKG	Weight 24 #	ShippingDept: D. Boucher	CheckedBy:
ReleasingDept. M MOORE/BOUCHER	Class	ReceivedBy:		

Donald Boucher Signature 9 NOV 16 Date



CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client: <b>ESNA</b>			PO No.		NO OF BOTTLES	ANALYSES REQUESTED										AIC CONTROL NO: <b>207207</b>					
Project Reference: <b>433 Report - ADEO</b>			MATRIX			Cyanide Metals														AIC PROPOSAL NO:	
Project Manager:			G R A B	C O M P	W A T E R		S O I L	1												Carrier: <b>UPS</b>	
Sampled By:						X														X	X
AIC No.	Sample Identification	Date/Time Collected																			
<b>1</b>	<b>001</b>	<b>11/9/16</b>																			
<b>2</b>	<b>002</b>	<b>11/9/16</b>																	<b>L</b>		
Container Type																			Field pH calibration on _____ @ _____		
Preservative																			Buffer:		
G = Glass NO = none			P = Plastic S = Sulfuric acid pH2		V = VOA vials N = Nitric acid pH2		H = HCl to pH2 B = NaOH to pH12		T = Sodium Thiosulfate Z = Zinc acetate		A = (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> , NH <sub>4</sub> OH										
Turnaround Time Requested: (Please circle) NORMAL or EXPEDITED IN <u>10</u> DAYS Expedited results requested by: <u>Mark Moore</u>					Relinquished By: <u>Mark Moore</u>		Date/Time: <u>11/9/16 4:05AM</u>		Received By: <u>Daniel Boucher</u>		Date/Time: <u>11:50 9/10/16</u>										
Who should AIC contact with questions: Phone: _____ Fax: <u>870-892-4789</u>					Relinquished By:		Date/Time:		Received in Lab By: <u>D. BROWN</u>		Date/Time: <u>0930</u>										
Report Attention to: Report Address to: <u>dmerwitz@esna products.com</u>					Comments:																
Email Address: <u>MMOORE@esna products.com</u>																					

12 718 314 01 5357 6975

MIS 1 Revised:

207207

Shipping Order #:

8811

ESNA

A NOVARIA GROUP COMPANY

611 Country Club Road

Pocahontas, Arkansas 72455

(870) 892-5201

Date: 11/9/2016

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 RED                      PO#:

Ordered	Shipped	ItemNumber	Description	Notes
	1		WEIR SAMPLES	

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.

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Donald Boucher                      Signature                      9 NOV 16                      Date