

Peltier, Hannah

From: Gilliam, Allen
Sent: Tuesday, January 22, 2013 2:27 PM
To: Barker, Chuck L.
Cc: Autry, Donnie; Thielemier, Steve; pocawater@suddenlinkmail.com; Peltier, Hannah
Subject: AR0034835_MacLean ESNA ARP001048 supplement to Dec 2012 semi annual Pretreatment Report reply_20130122

Chuck, et.al,

Your contract lab's analyticals and Chain of Custody were received supplementing MacLean-ESNA's December 2012 semi-annual Pretreatment report. The report is complete and compliant with the Federal Pretreatment Regulations in 40 CFR 403.

Thank you for your attention to this matter.

Sincerely,

Allen Gilliam
ADEQ State Pretreatment Coordinator
501.682.0625

ec: William Daniel, City of Pocahontas Wastewater Plant Manager

From: Barker, Chuck L. [<mailto:CBarker@macleanfogg.com>]
Sent: Tuesday, January 22, 2013 10:24 AM
To: Gilliam, Allen
Cc: Autry, Donnie; Thielemier, Steve
Subject: FW: AR0034835_MacLean ESNA ARP001048 Dec 2012 semi annual Pretreatment Report reply_20130104

Allen,

Please find attached the sampling and analysis reports requested.

Best regards,



Chuck Barker | Engineering Manager

MacLean-ESNA

611 Country Club Road, Pocahontas, AR 72455

Office 870-892-4785 Cell 870-378-7206

www.macleanfoggcs.com

From: Gilliam, Allen [<mailto:GILLIAM@adeq.state.ar.us>]
Sent: Friday, January 04, 2013 2:43 PM
To: Autry, Donnie; Thielemier, Steve
Cc: pocawater@suddenlinkmail.com
Subject: AR0034835_MacLean ESNA ARP001048 semi annual Pretreatment Report reply_20130104

Donnie,

Your December 2012 semi-annual Pretreatment report was received, reviewed and deemed incomplete, but compliant with the alternative Metal Finishing limitations in 40 CFR 433.17 utilizing the combined wastestream formula.

Per 40 CFR 402.12(g), "...the [semi-annual] reports required in paragraphs...(e)...of this section shall contain the results of sampling and analysis..."

Please submit your contract lab's analytical data and chain of custody for the samples you had analyzed for this semi-annual report within thirty (30) days from the date on this correspondence. MacLean has included these in previous reports and is necessary to verify the values typed into the submitted semi-annual report form.

A signature on the cover letter would be appropriate also.

Thank you for the flow calculations verifying the alternative limits using the combined wastestream formula in 40 CFR 403.6(e)(1)(i). Please continue this procedure.

Please retain all Pretreatment reports and related correspondence/documentation for a period of three (3) years per 40 CFR 403.12(o).

Sincerely,

Allen Gilliam
ADEQ State Pretreatment Coordinator
501.682.0625

ec: William Daniel, City of Pocahontas Wastewater Plant Manager

From: Autry, Donnie [<mailto:DAutry@macleanfogg.com>]
Sent: Thursday, January 03, 2013 1:56 PM
To: Gilliam, Allen
Subject: Semi-Annual Report ARP001048

Allen,

Please find the semi-annual report attached. Thanks.



Donnie Autry | Product Development Supervisor
MacLean-ESNA
611 Country Club Road, Pocahontas, AR 72455
Office 870-892-4710 Cell 870-378-7065
www.macleanfoggcs.com



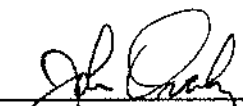
November 21, 2012
Control No. 162591
Page 1 of 5

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 November 16, 2012. 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 November 16, 2012
P.O. No. 24296-00

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>
162591-1	001 11-15-12 8:36am	15-Nov-2012 0836	
162591-2	001 11-14-12 10:30am 11-15-12 10:30am	15-Nov-2012 1030	

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. 162591-1

Sample Identification: 001 11-15-12 8:36am

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Cyanide SM 4500-CN C,E	0.012	0.01	mg/l	
Prep: 20-Nov-2012 1013 by 306	Analyzed: 20-Nov-2012 1649 by 306		Batch: W41740	

AIC No. 162591-2

Sample Identification: 001 11-14-12 10:30am 11-15-12 10:30am

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Cadmium EPA 200.7	0.0075	0.004	mg/l	
Prep: 19-Nov-2012 0853 by 271	Analyzed: 19-Nov-2012 2309 by 270		Batch: S33513	
Chromium EPA 200.7	0.031	0.007	mg/l	
Prep: 19-Nov-2012 0853 by 271	Analyzed: 19-Nov-2012 2309 by 270		Batch: S33513	
Copper EPA 200.7	0.060	0.006	mg/l	
Prep: 19-Nov-2012 0853 by 271	Analyzed: 19-Nov-2012 2309 by 270		Batch: S33513	
Lead EPA 200.7	< 0.04	0.04	mg/l	
Prep: 19-Nov-2012 0853 by 271	Analyzed: 19-Nov-2012 2309 by 270		Batch: S33513	
Nickel EPA 200.7	0.18	0.01	mg/l	
Prep: 19-Nov-2012 0853 by 271	Analyzed: 19-Nov-2012 2309 by 270		Batch: S33513	
Silver EPA 200.7	< 0.007	0.007	mg/l	
Prep: 19-Nov-2012 0853 by 271	Analyzed: 19-Nov-2012 2309 by 270		Batch: S33513	
Zinc EPA 200.7	0.084	0.002	mg/l	
Prep: 19-Nov-2012 0853 by 271	Analyzed: 19-Nov-2012 2309 by 270		Batch: S33513	

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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	96.0	85.0-115			W41740	20Nov12 1013 by 306	20Nov12 1641 by 306		
Cadmium	5 mg/l	93.6	85.0-115			S33513	19Nov12 0853 by 271	19Nov12 2254 by 270		
Chromium	0.5 mg/l	91.6	85.0-115			S33513	19Nov12 0853 by 271	19Nov12 2254 by 270		
Copper	0.5 mg/l	94.7	85.0-115			S33513	19Nov12 0853 by 271	19Nov12 2254 by 270		
Lead	5 mg/l	92.6	85.0-115			S33513	19Nov12 0853 by 271	19Nov12 2254 by 270		
Nickel	0.5 mg/l	91.2	85.0-115			S33513	19Nov12 0853 by 271	19Nov12 2254 by 270		
Silver	0.1 mg/l	94.4	85.0-115			S33513	19Nov12 0853 by 271	19Nov12 2254 by 270		
Zinc	0.5 mg/l	86.7	85.0-115			S33513	19Nov12 0853 by 271	19Nov12 2254 by 270		

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	162613-2	0.1 mg/l	89.4	75.0-125	W41740	20Nov12 1013 by 306	20Nov12 1645 by 306		
	162613-2	0.1 mg/l	85.7	75.0-125	W41740	20Nov12 1013 by 306	20Nov12 1647 by 306		
	Relative Percent Difference:		4.09	20.0	W41740				
Cadmium	162591-2	5 mg/l	97.6	75.0-125	S33513	19Nov12 0853 by 271	19Nov12 2259 by 270		
	162591-2	5 mg/l	97.5	75.0-125	S33513	19Nov12 0853 by 271	19Nov12 2304 by 270		
	Relative Percent Difference:		0.0748	20.0	S33513				
Chromium	162591-2	0.5 mg/l	95.4	75.0-125	S33513	19Nov12 0853 by 271	19Nov12 2259 by 270		
	162591-2	0.5 mg/l	93.7	75.0-125	S33513	19Nov12 0853 by 271	19Nov12 2304 by 270		
	Relative Percent Difference:		1.68	20.0	S33513				
Copper	162591-2	0.5 mg/l	97.9	75.0-125	S33513	19Nov12 0853 by 271	19Nov12 2259 by 270		
	162591-2	0.5 mg/l	96.8	75.0-125	S33513	19Nov12 0853 by 271	19Nov12 2304 by 270		
	Relative Percent Difference:		1.07	20.0	S33513				
Lead	162591-2	5 mg/l	95.7	75.0-125	S33513	19Nov12 0853 by 271	19Nov12 2259 by 270		
	162591-2	5 mg/l	94.5	75.0-125	S33513	19Nov12 0853 by 271	19Nov12 2304 by 270		
	Relative Percent Difference:		1.22	20.0	S33513				
Nickel	162591-2	0.5 mg/l	94.0	75.0-125	S33513	19Nov12 0853 by 271	19Nov12 2259 by 270		
	162591-2	0.5 mg/l	92.3	75.0-125	S33513	19Nov12 0853 by 271	19Nov12 2304 by 270		
	Relative Percent Difference:		1.34	20.0	S33513				
Silver	162591-2	0.1 mg/l	99.8	75.0-125	S33513	19Nov12 0853 by 271	19Nov12 2259 by 270		
	162591-2	0.1 mg/l	97.8	75.0-125	S33513	19Nov12 0853 by 271	19Nov12 2304 by 270		
	Relative Percent Difference:		2.04	20.0	S33513				
Zinc	162591-2	0.5 mg/l	92.3	75.0-125	S33513	19Nov12 0853 by 271	19Nov12 2259 by 270		
	162591-2	0.5 mg/l	91.3	75.0-125	S33513	19Nov12 0853 by 271	19Nov12 2304 by 270		
	Relative Percent Difference:		0.972	20.0	S33513				



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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	W41740-1	20Nov12 1013 by 306	20Nov12 1639 by 306	
Cadmium	< 0.004 mg/l	0.004	0.004	S33513-1	19Nov12 0853 by 271	19Nov12 2249 by 270	
Chromium	< 0.007 mg/l	0.007	0.007	S33513-1	19Nov12 0853 by 271	19Nov12 2249 by 270	
Copper	< 0.006 mg/l	0.006	0.006	S33513-1	19Nov12 0853 by 271	19Nov12 2249 by 270	
Lead	< 0.04 mg/l	0.04	0.04	S33513-1	19Nov12 0853 by 271	19Nov12 2249 by 270	
Nickel	< 0.01 mg/l	0.01	0.01	S33513-1	19Nov12 0853 by 271	19Nov12 2249 by 270	
Silver	< 0.007 mg/l	0.007	0.007	S33513-1	19Nov12 0853 by 271	19Nov12 2249 by 270	
Zinc	< 0.002 mg/l	0.002	0.002	S33513-1	19Nov12 0853 by 271	19Nov12 2249 by 270	



8600 Kanis Road
 Little Rock, AR 72204-2322
 (501) 224-5060
 FAX (501) 224-5072

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client: MAKLEAN/ESNA PO No. 24296-00 ANALYSES REQUESTED

Project Reference: _____ NO OF BOTTLES _____

Project Manager: _____

Sampled By: STEVE THIELEMIER SAMPLE MATRIX: _____

AIC No. 001 Date/Time Collected 11-15-12 8:36 AM W A S O I L G R A B C O M P V O A N H B T Z R P M METALS

AIC Sample Identification 001 Date/Time Collected 11-15-12 10:30 AM W A S O I L G R A B C O M P V O A N H B T Z R P M CYANIDE

AIC Sample Identification 001 Date/Time Collected 11-15-12 10:30 AM W A S O I L G R A B C O M P V O A N H B T Z R P M METALS

AIC CONTROL NO: 162591 Carrier: VPS Received Temperature C: 26 Remarks: _____

AIC PROPOSAL NO: _____

Field pH calibration on _____ @ _____ Buffer: _____

Turnaround Time Requested: (Please circle) NORMAL or EXPEDITED IN _____ DAYS

Expedited results requested by: _____

Who should AIC contact with questions: STEVE THIELEMIER

Phone: 870-892-5201 Fax: _____

Report Attention to: _____

Report Address to: _____

Relinquished By: Steve Thiemier Date/Time: 11-15-12 9:04 AM

Relinquished By: Steve Thiemier Date/Time: 11-15-12 9:04 AM

Received By: Donald Baucher Date/Time: 15 NOV 12 9:04 AM

Received in Lab By: Steve Thiemier Date/Time: 11-16-12 1000

Comments: 177183140150833880

MACLEAN / ESNA

METALS

24 HOUR COMPOSITE

Sample #	Date	Time	Initial
1	11-14-12	10:30AM	SNT
2	11-14-12	12:30AM	SNT
3	11-14-12	2:26PM	SNT
4	11-14-12	4:28PM	SNT
5	11-14-12	6:26PM	SNT
6	11-14-12	8:30PM	SNT
7	11-14-12	10:31PM	SNT
8	11-15-12	12:29AM	SNT
9	11-15-12	2:30AM	SNT
10	11-15-12	4:28AM	SNT
11	11-15-12	6:27AM	SNT
12	11-15-12	8:30AM	SNT