

Wilson, Tabatha

From: Gilliam, Allen
Sent: Friday, January 10, 2014 2:52 PM
To: Colleen Tuggle (ctuggle@southernaluminum.com); Leon Ryan (lryan@southernaluminum.com)
Cc: Bernie K. Finch; Fuller, Kim; Wilson, Tabatha; magnolia russell thomas
Subject: AR0043613_Southern Aluminum ARP001059 Dec 2013 zinc periodic reports and ADEQ reply_20140110
Attachments: Southern Aluminum Dec 2013 ZN Analyticals.pdf; Southern Aluminum 2nd Dec 2013 ZN analyticals.pdf

Colleen,

Southern Aluminum's (SA) two (2) periodic reports on zinc (sampled in December '13) were received via Finch Environmental (attached) and were compliant with the zinc Metal Finishing "monthly average shall not exceed" standard of 1.48 mg/l.

The agreement between the City of Magnolia, SA and this office has been fulfilled to sample/report zinc analysis semi-monthly for three (3) consecutive months. As long as these periodic reports indicated zinc was in compliance with the Metal Finishing "monthly average" SA could resume reporting on a semi-annual basis.

It is understood SA will continue to batch discharge its "work" tank(s) along with the rinse tank ~once/2 week period as its standard discharge practice. Russell Thomas (Magnolia's Wastewater Manager) must be notified 48 hours in advance of these batch discharges for him to have the opportunity to sample.

It is strongly recommended SA periodically conduct its own sampling (with or without the City present during a batch discharge) for analysis of zinc to verify the standard discharge practice is achieving the results it was designed for. Per 40 CFR 403.12(g)(6), "If [SA]...monitors any regulated pollutant at the appropriate sampling location more frequently than required by [ADEQ], using the procedures prescribed in paragraph (g)(5) of this section, the results of this monitoring shall be included in the [semi-annual] report."

Semi-Annual reports for the entire compliment of parameters (except TTO) in 40 CFR 433 will now be due to ADEQ and Magnolia during the months of December and June of each year. If at any time SA's analyticals indicate an excursion for zinc, let it be understood SA will be subject to more frequent sampling until a period of compliance can be established once again.

Per 40 CFR 403.12(o)(2), Record-keeping requirements. (2) [SA]...shall be required to retain for a minimum of 3 years any records of monitoring activities and results (whether or not such monitoring activities are required by this section) and shall make such records available for inspection and copying by the Director and the Regional Administrator..."

Thank you again for your patience and cooperation in coming into compliance with the Federal Metal Finishing standards in 40 CFR 433.

Sincerely,

Allen Gilliam
ADEQ State Pretreatment Coordinator
501.682.0625

ec: Russell Thomas, City of Magnolia Wastewater Manager
Bernie Finch, Finch Environmental

E/NPDES/NPDES/Pretreatment/Reports

AWZIO

Finch Environmental, PLC

9 Heritage Park Circle
North Little Rock, Arkansas 72116-8528

Municipal and Industrial
NPDES Storm Water
Pollution Prevention Plans
Control Plans Environmental Permitting
Reporting Hazardous Waste
Pretreatment

12/31/2013

Mr. Allen Gilliam
Pretreatment Coordinator
ADEQ
5301 Northshore Drive
North Little Rock, AR 72118

JAN 8 2014

Periodic report for 12035 TW
Zn only. Compliant.
AF

Re: Southern Aluminum Company, Inc., Pretreatment Tracking Number ARP001059

Dear Mr. Gilliam,

On behalf of Southern Aluminum Company, please accept this attached "Periodic Report" form as requested. Also included with this submittal is the laboratory analytical results and chain of custody form.

Please accept this submittal and contact me with questions.

Thank you.

Sincerely,

B-K-F

Bernie K. Finch
Finch Environmental, PLC

Attachment

Cc (w/attachments)

Russell Thomas, City of Magnolia

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

A. LEGAL NAME & MAILING ADDRESS

Southern Aluminum
P.O. Box 884
Magnolia, AR 71754

B. FACILITY & LOCATION ADDRESS

Southern Aluminum
5 Highway 82 West
Magnolia, AR 71753

C. FACILITY CONTACT: Colleen Tuggle
ctuggle@southernaluminum.com

TELEPHONE NUMBER: 870.234.8660 e-mail:

(2) REPORTING PERIOD

A. MONTHS WHICH REPORTS ARE DUE

*This is a Periodic Batch Report

B. PERIOD COVERED BY THIS REPORT

FROM: December 10, 2013 TO: December 10, 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

Coating

Cleaning

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.

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

C. Number of Regular Employees at this Facility **135**
135

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)	See Note Below	See Note Below	2882
Regulated (Cyanide)	0	0	N/A
' 403.6(e) Unregulated*	0	0	N/A
' 403.6(e) Dilute	0	0	N/A
Cooling Water**	0	0	N/A
Sanitary**	0	0	N/A
Total Flow to POTW	See Note Below	See Note Below	2882

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

**Indicate if these Streams commingle with Regulated Streams BEFORE treatment

(5) MEASUREMENT OF POLLUTANTS

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	0.11	2.77	3.38	0.69	3.98	0.43	2.61	1.20	2.13
Monthly Ave	0.07	1.71	2.07	0.43	2.38	0.24	1.48	0.65	--
Max Measured	N/A	N/A	N/A	N/A	N/A	N/A	0.694	N/A	TOMP (N/A)
Ave Measured	N/A	N/A	N/A	N/A	N/A	N/A	0.694	N/A	TOMP (N/A)

Sample Location Sample taken at confluence of all regulated processes (Dip Tank, Wash Tank and Rinse Tank) immediately preceding discharge to municipal collection system. Dip tank was not discharged on 12-10-2013.

Sample Type (Grab or Composite) Grab

Number of Samples and Frequency Collected one (1) collected 12-10-2013;

40 CFR 136 Preservation and Analytical Methods Use: Yes No

Indicate Combined Wastestream Factor if Dilution Streams Exist w/Regulated Streams N/A

(6) CERTIFICATION

A. Required under 40 CFR 403.12(g)

'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: Initial submittal of a Toxic Organic Management Plan (TOMP).

(8) GENERAL COMMENTS

Flow Calculations:

Southern Aluminum batch discharged on December 10, 2013.

2050 gallons from Wash Tank (core process)

+

832 gallons from Rinse Tank (ancillary process)

= 2882 gallons to the Magnolia municipal sewer system.

pH: 7.4 s.u.

(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.

Leon M. Ryan
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

Leon Ryan
SIGNATURE

Vice President/General Manager
OFFICIAL TITLE

12-30-13
DATE SIGNED

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.

Leon M. Ryan Vice President/General Manager

(Typed Name)

Leon Ryan
(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.

Leon M. Ryan Vice President/General Manager

(Typed Name)

Leon Ryan
(Corporate Officer or authorized representative)

Date of Signature 12-30-13

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Environmental Services Company, Inc.

Corporate Office
 13715 West Markham
 Little Rock, AR 72211
 Tel. (501)221-2565 Fax (501)221-1341


Northwest Arkansas Branch
 1107 Century Avenue
 Springdale, AR 72762
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 1312010274	Sample Date : 12/10/13	Collected By: D CROCKETT/C TU
Customer Name : SOUTHERN ALUMINUM CO., INC.	Sample Time : 1515	Delivery By : UPS
Customer Number : 2754	Sample Type : GRAB WATER	Work Order :
Report Date : 12/16/13	Sample From :	Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>			<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>					<u>Parameter</u>	<u>% RPD</u>
12/13	1227	RAH	Zinc, Total	694.00 ug/L		EPA 200.7	10.92	104.4 *

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature: 
 Environmental Services Co., Inc.

Environmental Services Company, Inc.
 Corporate Office
 13715 West Markham P.O. Box 55146
 Little Rock, AR 72211 Little Rock, AR 72215
 website: www.esclabs.com



Environmental Services Company, Inc.
 Northwest Branch
 1107 Century
 Springdale, AR 72764

Phone: 501-221-2565 Fax: 501-221-1341

CHAIN OF CUSTODY

Phone 479-750-1170 Fax: 479-750-1172

Client Information				Project Information				Requested Parameters						
Company Name:		Southern Aluminum Co., Inc.		Permit/Project #:				Zinc, Total(74.ZN)						
Address:		#5 Hwy 82 West Magnolia, AR 71753		Purchase Order #:										
Telephone:		800-221-0408		Work Order #:										
Fax:		870-234-4665		Sampler Name(s):		Dexter Crockett Colleen Tuggle								
Contact:		Ms. Colleen Tuggle		and Signature(s):		Dexter Crockett Colleen Tuggle								
ESC Client Number:		2754												
Sample Identification		Sample Collection				Sample Containers								
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#					
	1312010274	12-9-13	3:15pm	Grab	Water	Plastic	8 oz	HNO3 to pH <2*	1	X				
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:						
Dexter Crockett		12-9-13	3:15pm	Cindy Strauss				Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/>						
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:						
Cindy Strauss		12-9-13	3:15pm	Cindy Strauss		12-10-13	14:30	Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>						
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:						
Cindy Strauss		12-10-13	1500	Reddy, Neddy		12-10-13	1500	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						
				Flow Data	Field Test	Time	Analyst	Result	Result	Units				
Comments:				Analyst:	pH: 7.4									
				Time:										
				Reading:										
				Units:										
* Per 40 CFR 136.3 Table II Note 19, samples preserved in laboratory.						Fecal Start:		This Document is Page 1 of 1						

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Finch Environmental, PLC

9 Heritage Park Circle
North Little Rock, Arkansas 72116-8528

*Municipal and Industrial
NPDES Storm Water
Pollution Prevention Plans
Control Plans Environmental Permitting
Reporting Hazardous Waste
Pretreatment*

1/7/2014

Mr. Allen Gilliam
Pretreatment Coordinator
ADEQ
5301 Northshore Drive
North Little Rock, AR 72118

Re: Southern Aluminum Company, Inc., Pretreatment Tracking Number ARP001059

Dear Mr. Gilliam,

On behalf of Southern Aluminum Company, please accept this attached "Periodic Report" form as requested. Also included with this submittal is the laboratory analytical results and chain of custody form. This will conclude the "Periodic Reports". Semi-Annual Reports will be submitted in the future in a timely manner.

Please accept this submittal and contact me with questions.

Thank you.

Sincerely,



Bernie K. Finch
Finch Environmental, PLC

Attachment

Cc (w/attachments)
Russell Thomas, City of Magnolia

Cc/(w/o attachments)
Colleen Tuggle, Southern Aluminum Company

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>Southern Aluminum P.O. Box 884 Magnolia, AR 71754</p>	<p>B. FACILITY & LOCATION ADDRESS</p> <p>Southern Aluminum 5 Highway 82 West Magnolia, AR 71753</p>
<p>C. FACILITY CONTACT: Colleen Tuggle TELEPHONE NUMBER: 870.234.8660 e-mail: ctuggle@southernaluminum.com</p>	
(2) REPORTING PERIOD	
<p>A. MONTHS WHICH REPORTS ARE DUE</p> <p><u>*This is a Periodic Batch Report</u></p>	<p>B. PERIOD COVERED BY THIS REPORT</p> <p>FROM: December 19, 2013 TO: December 19, 2013</p>
(3) DESCRIPTION OF OPERATION	
<p>A. REGULATED PROCESSES</p> <p><u>CORE PROCESS(ES)</u></p> <p>CHECK EACH APPLICABLE BLOCK</p> <p>G Electroplating G Electroless Plating G Anodizing O Coating G Chemical Etching and Milling G Printed Circuit Board Manufacture</p> <p><u>ANCILLARY PROCESS(ES)*</u></p> <p>LIST BELOW EACH PROCESS USED IN THE FACILITY</p> <p><u>Coating</u></p> <p><u>Cleaning</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><small>*SEE 40CFR433.10(a) FOR 40 DIFFERENT OPERATIONS</small></p>	
<p>C. Number of Regular Employees at this Facility 135</p> <p>_____ 135</p>	<p>D. [Reserved]</p>

(4) FLOW MEASUREMENT

INDIVIDUAL & TOTAL PROCESS FLOWS DISCHARGED TO POTW IN *GALLONS PER DAY*

Process	Average	Maximum	Type of Discharge
Regulated (Core & Ancillary)	See Note Below	See Note Below	2882
Regulated (Cyanide)	0	0	N/A
' 403.6(e) Unregulated*	0	0	N/A
' 403.6(e) Dilute	0	0	N/A
Cooling Water**	0	0	N/A
Sanitary**	0	0	N/A
Total Flow to POTW	See Note Below	See Note Below	2882

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

**Indicate if these Streams commingle with Regulated Streams BEFORE treatment

(5) MEASUREMENT OF POLLUTANTS

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	0.11	2.77	3.38	0.69	3.98	0.43	2.61	1.20	2.13
Monthly Ave	0.07	1.71	2.07	0.43	2.38	0.24	1.48	0.65	--
Max Measured	N/A	N/A	N/A	N/A	N/A	N/A	0.265	N/A	TOMP (N/A)
Ave Measured	N/A	N/A	N/A	N/A	N/A	N/A	0.265	N/A	TOMP (N/A)

Sample Location Sample taken at confluence of all regulated processes (Dip Tank, Wash Tank and Rinse Tank) immediately preceding discharge to municipal collection system. Dip tank was not discharged on 12-19-2013.

Sample Type (Grab or Composite) Grab

Number of Samples and Frequency Collected one (1) collected 12-19-2013;

40 CFR 136 Preservation and Analytical Methods Use: Yes No

Indicate Combined Wastestream Factor if Dilution Streams Exist w/Regulated Streams N/A

(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.

Leon M. Ryan Vice President/General Manager

(Typed Name)

Leon Ryan

(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.

Leon M. Ryan Vice President/General Manager

(Typed Name)

Leon Ryan

(Corporate Officer or authorized representative)

Date of Signature 1-3-14

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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: Initial submittal of a Toxic Organic Management Plan (TOMP).

(8) GENERAL COMMENTS

Flow Calculations:

Southern Aluminum batch discharged on December 19, 2013.

2050 gallons from Wash Tank (core process)

+

832 gallons from Rinse Tank (ancillary process)

= 2882 gallons to the Magnolia municipal sewer system.

pH: 7.2 s.u.

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

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.

Leon M. Ryan
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE


SIGNATURE

Vice President/General Manager
OFFICIAL TITLE

1 - 3 - 14
DATE SIGNED

Environmental Services Company, Inc.

Corporate Office
 13715 West Markham
 Little Rock, AR 72211
 Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch
 1107 Century Avenue
 Springdale, AR 72762
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 1312010488
 Customer Name : SOUTHERN ALUMINUM CO., INC.
 Customer Number : 2754
 Report Date : 01/02/14

Sample Date : 12/19/13
 Sample Time : 1100
 Sample Type : GRAB WATER
 Sample From :

Collected By: C TUGGLE/J FARR
 Delivery By : UPS
 Work Order :
 Purchase Order :

Laboratory Analysis

Analysis			Parameter	Result	Notes	Quantity	Method
Date	Time	By					
12/19	1100	CT	pH	7.2	S.U.		2000 4500 H+B
12/26	1532	RAH	Zinc, Total	264.70			EPA 200.7

Quality Assurance	
Precision	Accuracy
% RPD	% Recovery
9.12	86.1

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature _____



Environmental Services Co., Inc.

Finch Environmental, PLC

9 Heritage Park Circle

North Little Rock, AR 72116



Mr. Allen Gilliam
Pretreatment Coordinator
ADEQ
5301 Northshore Drive
North Little Rock, AR 72118

7211865317 R015

