

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*

10/12/2012

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,

Please accept this attached "Periodic Report" form as requested. In the future, all "Periodic" Reports will contain this signed, dated form.

Please accept this submittal and contact me with questions.

Thank you.

Sincerely,



Bernie K. Finch
Finch Environmental, PLC

Attachment

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—FISCAL YEAR 2010: (Both Semi-Annual Reports must cover Fiscal Year)

A. MONTHS WHICH REPORTS ARE DUE

*This is a Periodic Batch Report

B. PERIOD COVERED BY THIS REPORT

FROM: September 17, 2012 **TO:** September 17, 2012

(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

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	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	ND	N/A	TOMP (N/A)
Ave Measured	N/A	N/A	N/A	N/A	N/A	N/A	ND	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 09-17-2012.

Sample Type (Grab or Composite) Grab

Number of Samples and Frequency Collected One (1) collected 09-17-2012;

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 September 17, 2012.

2050 gallons from Wash Tank (core process)

+

832 gallons from Rinse Tank (ancillary process)

= 2882 gallons to the Magnolia municipal sewer system.

pH: 3.4 s.u.

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

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)


(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)


(Corporate Officer or authorized representative)

Date of Signature 10 4 12

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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

10 - 4 - 12
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: 1209010316
 Customer Name : SOUTHERN ALUMINUM CO., INC.
 Customer Number : 2754
 Report Date : 09/27/12

Sample Date : 09/17/12
 Sample Time : 1600
 Sample Type : GRAB WATER
 Sample From :

Collected By: LEON RYAN
 Delivery By : UPS
 Work Order :
 Purchase Order :

Laboratory Analysis

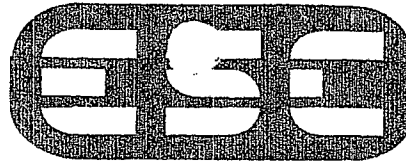
Analysis							Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recover
09/25	1230	NTR	Cyanide Total (as CN)	< 0.0100 mg/L			SM 18th 4500-CN E	1.22	97.6
09/17	1600	LR	pH	3.4 S.U.			SM 18 4500 H+B		
09/20	1834	NTR	Chromium	10.03 ug/L			EPA 200.8	5.95	88.4
09/20	1834	NTR	Nickel	18.15 ug/L			EPA 200.8	14.89	91.9
09/20	1834	NTR	Copper	14.16 ug/L			EPA 200.8	14.24	91.4
09/20	1834	NTR	Zinc	< 1.00 ug/L			EPA 200.8	17.58	89.9
09/20	1834	NTR	Silver	< 0.50 ug/L			EPA 200.8	3.09	70.1
09/20	1834	NTR	Cadmium	3.45 ug/L			EPA 200.8	2.16	91.2
09/17	1600	LR	Temperature (°F)	83.0 °F			SM 18th 2550B		
09/20	1834	NTR	Lead	< 0.50 ug/L			EPA 200.8	5.97	109.6

* 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 *Neil D. Ryan*
 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 #:							Cyanide(%)	pH(23.)	Metals (See Comments)									
Address: #5 Hwy 82 West				Purchase Order #:																		
Magnolia, AR 71753				Work Order #:																		
Telephone: 800-221-0408				Sampler Name(s): Leon Ryan																		
Fax: 870-234-4665				and Signature(s): <i>Leon Ryan</i>																		
Contact: Ms. Colleen Tuggle				ESC Client Number: 2754																		
Sample Identification		Sample Collection				Sample Containers																
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#													
	209010316	9-17-12	4:00pm	Grab	Water	Plastic	1 Liter	NaOH+Ascorbic	1	X												
				Grab	Water	Plastic	1 Liter	none	1		X											
				Grab	Water	Glass	1 Liter	HNO3 *	1			X										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:		Used?	Intact?											
<i>Leon Ryan</i>		9-17-12	4:00	<i>Cindy Strauss</i> UPS		9-18-12	1025	Turnaround:		Regular	Special											
Cindy Strauss Cindy Strauss		9-18-12	1140	Received By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes	No											
Richard Hall				Richard Hall		9-18-12	1140	Yes		X												
All samples cooled to ≤ 6 deg C with ice.				Flow Data	Field Test	Time	Analyst	Result	Result	Units												
Comments: Cd(48.PS), Cr(24.PS), Cu(29.PS), Pb(82.PS), Ni(28.PS), Ag(47.PS), Zn(30.PS)				Analyst:	pH:	4:00pm	Leon	3.4														
				Time:																		
				Reading:																		
				Units:																		
* Per 40 CFR 136.3 Table II Note 19, samples preserved in laboratory.				Chlorinated? Y N	Fecal Start:																	

ES&C

T.M. 82° E



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

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