

# SEMI-ANNUAL REPORT FOR USERS REGULATED BY THE ALUMINUM FORMING CATEGORY

*Allen*

Use of this form is not an EPA/PC&E requirement. Attn: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION																												
A. LEGAL NAME & MAILING ADDRESS  SAPA Extrusions, Inc. Magnolia Operations P.O. Box 40 Magnolia, AR 71754	B. FACILITY & LOCATION ADDRESS for PLANT #2  SAPA Extrusions, Inc. Alumax Drive off Green Street Magnolia, AR 71753																											
C. FACILITY CONTACT: Gerry Eddy TELEPHONE NUMBER: (870) 235-2692 FAX NUMBER: (870) 235-2609 EMAIL ADDRESS: gerry.eddy@sapagroup.com																												
(2) REPORTING PERIOD--FISCAL YEAR from September 1 to August 31 (Both Semi-Annual Reports to cover Fiscal Year)																												
A. MONTHS WHICH REPORTS ARE DUE  JANUARY & JULY	B. PERIOD COVERED BY THIS REPORT  FROM: January 1, 2009 TO: June 30, 2009																											
(3) DESCRIPTION OF OPERATION																												
A. REGULATED PROCESSES per 40 CFR Part 467 Subpart C--Extrusion §467.35 Pretreatment standards for existing sources  <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">PROCESS</th> <th style="text-align: center;">PROD'N RATE(S)<sup>m</sup> Total Off-lbs for Six Months</th> <th style="text-align: center;">PROD'N DAYS<sup>n</sup> Number of Operating Days</th> </tr> </thead> <tbody> <tr> <td>Core</td> <td style="text-align: center;"><u>3,378,402</u></td> <td style="text-align: center;"><u>120</u></td> </tr> <tr> <td>Extrus Press Leak</td> <td style="text-align: center;"><u>3,378,402</u></td> <td style="text-align: center;"><u>120</u></td> </tr> <tr> <td>Direct Chill CCW</td> <td style="text-align: center;"><u>N/P</u></td> <td style="text-align: center;"><u>N/P</u></td> </tr> <tr> <td>Pres Heat Trt CCW</td> <td style="text-align: center;"><u>722,400</u></td> <td style="text-align: center;"><u>120</u></td> </tr> <tr> <td>Sol Heat Trt CCW</td> <td style="text-align: center;"><u>N/P</u></td> <td style="text-align: center;"><u>N/P</u></td> </tr> <tr> <td>Clean/Etch Bath</td> <td style="text-align: center;"><u>9,624,709</u></td> <td style="text-align: center;"><u>120</u></td> </tr> <tr> <td>Clean/Etch Rinse</td> <td style="text-align: center;"><u>9,624,709</u></td> <td style="text-align: center;"><u>120</u></td> </tr> <tr> <td>Clean/Etch Sebr Liq</td> <td style="text-align: center;"><u>722,400</u></td> <td style="text-align: center;"><u>120</u></td> </tr> </tbody> </table> <p>Show Rate &amp; Days--If process is not present, show "Not Present" or "N/P"</p>	PROCESS	PROD'N RATE(S) <sup>m</sup> Total Off-lbs for Six Months	PROD'N DAYS <sup>n</sup> Number of Operating Days	Core	<u>3,378,402</u>	<u>120</u>	Extrus Press Leak	<u>3,378,402</u>	<u>120</u>	Direct Chill CCW	<u>N/P</u>	<u>N/P</u>	Pres Heat Trt CCW	<u>722,400</u>	<u>120</u>	Sol Heat Trt CCW	<u>N/P</u>	<u>N/P</u>	Clean/Etch Bath	<u>9,624,709</u>	<u>120</u>	Clean/Etch Rinse	<u>9,624,709</u>	<u>120</u>	Clean/Etch Sebr Liq	<u>722,400</u>	<u>120</u>	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.  <div style="text-align: center; font-size: 1.2em;"> <i>compliant &amp; complete no further action necessary AE 7100</i> </div> <div style="text-align: center; font-size: 1.5em; margin-top: 20px;"> <i>MH</i> </div> <div style="margin-top: 20px;">                     AFIN NO: _____ PERMIT NO: <u>ARPD001044</u>                      Media: <u>Water</u>                      Sort: <u>Permit Compliance</u>                      Date Scanned: <u>9/27/09 KH</u> </div>
PROCESS	PROD'N RATE(S) <sup>m</sup> Total Off-lbs for Six Months	PROD'N DAYS <sup>n</sup> Number of Operating Days																										
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C. Number of Regular Employees at this Facility: <u>220</u>	Reserve																											

**SEMI-ANNUAL REPORT CON'D FACILITY NAME SAPA Extrusions, Inc.**

**(4) FLOW MEASUREMENT (CON'D)**

**B. INDIVIDUAL PROCESS FLOWS DISCHARGED TO POTW IN GALLONS PER DAY (gpd)**

Operation	Ave Tot Flow <sup>1</sup>	Max Tot Flow <sup>2</sup>	Type of Discharge	No. Disc Days
Core-Extrusion	500	1000	Continuous	152
Ext Press Leakage	100	300	Continuous	152
Pres Heat Trt CCW	4,300	11,500	Batch	152
Clean or Etch Bath	1,400	3,600	Batch	184
Clean or Etch Rinse	39,799	100,600	Continuous	152
Clean/Etch Sebr Liq	14,000	14,000	Continuous	152
Total Regulated	60,099	131,000	Continuous	152
§403.6(e) Unregulated <sup>3</sup>	3,500	4,000	Batch	20
§403.6(e) Dilute	500	1,000	Batch	30
Cooling Water	0	0	*****	*****
Sanitary	5,000	7,000	Continuous	184
Total Flow to the POTW	69,099	143,000	*****	*****

<sup>1</sup>"Ave Tot Flow" is the average of "total gallons discharged in a 24-hour day" during the reporting period. Note that "Ave Tot Flow" times "No. Disc Days" must equal the actual total gallons discharged to the POTW for this six month period.

<sup>2</sup>"Max Tot Flow" is the maximum "total gallons discharged in a 24-hour day" during the reporting period.

<sup>3</sup>"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 Equalization
- None

**B. COMMENTS ON TREATMENT SYSTEM**

**C. THE INDUSTRIAL USER MUST PERFORM SAMPLING AND ANALYSIS ON 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	Cd	Cr	Cu	Pb	Ni	Zn	O&G	CN <sup>+</sup>	TTO <sup>+</sup>
Daily Max (mg/l)		0.40				1.35	44.75	0.28	0.64
Monthly (mg/l)		0.15				0.53	22.37	0.11	-----
AMMC (mg/l)		0.026				0.026	2.8	<0.01	<0.05
AMAC (mg/l)		0.009				0.009	2.0	<0.01	-----

PROVIDE THE CONCENTRATION HERE IF NO CERTIFICATION IS PROVIDED IN SECTION 6 BELOW OR MARK N/A IF A CERTIFICATION IS PROVIDED. MAKE ANY CHANGES IN PARAMETER HEADING TO SUBMIT THOSE REQUIRED.

Sample Location Outfall 001

Sample Type (Grab or Composite) 24 hr composite for metals and grab for CN and Oil & Grease

Number of Samples and Frequency Collected Collected 25 samples collected at 1/wk and 1 sample for TTO

40CFR136 Preservation and Analytical Methods Use:  Yes  No

SEMI-ANNUAL REPORT CON'D FACILITY NAME SAPA Extrusions, Inc.

(6) CERTIFICATION

A CHECK ONE:  CYANIDE ANALYSIS ATTACHED       CYANIDE CERTIFICATION PROVIDED BELOW (July SAR Only)

In accordance with §467.03(a), based on my inquiry of the person or persons directly responsible for managing compliance with pretreatment standards, I certify that to the best of my knowledge, cyanide has not been used or generated and will not be used or generated in our processes which are regulated by the Aluminum Forming (40 CFR 467.35) categorical pretreatment standards since analyzing the first wastewater sample in January, February or March of this calendar year; and that the results of the first analysis contained less than 0.07 mg/l cyanide.

\_\_\_\_\_  
(Typed Name)

\_\_\_\_\_  
(Corporate Officer or authorized representative)

Date of Signature \_\_\_\_\_

B CHECK ONE REQUIRED  TOXIC ORGANIC ANAL ATT'D       O & G ANAL ATTACHED

In accordance with §467.03(b), as an alternative monitoring procedure for pretreatment, the POTW user may measure and limit oil and grease to the levels shown in Section 5.C in lieu of measuring and regulating total toxic organics (TTO).

CORPORATE ACKNOWLEDGEMENT (Optional)

STATE OF ARKANSAS )  
( COUNTY OF \_\_\_\_\_ )

Before me, the undersigned authority, on this day personally appeared \_\_\_\_\_ of \_\_\_\_\_ a corporation, known to me to be the person whose name is subscribed to the foregoing instrument(s), and acknowledged to me that he executed the same for purposes and considerations therein expressed, in the capacity therein stated and as the act and deed of said corporation.

Given under my hand and seal of office on this \_\_\_\_\_ day of \_\_\_\_\_, 199\_\_.

\_\_\_\_\_  
Notary Public in and for \_\_\_\_\_  
County, Arkansas

My commission expires \_\_\_\_\_

**SEMI-ANNUAL REPORT CON'D FACILITY NAME SAPA Extrusions, Inc.**

§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 semi-annual compliance report and all attachments, and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the report, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Kevin Stuban  
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

General Manager  
OFFICIAL TITLE

  
SIGNATURE

7-30-09  
DATE SIGNED

Alcoa Extruded Construction Products  
Post Office Box 40  
Magnolia, AR 71754

ANALYTICAL RESULTS

AIC No. 126565-1

Sample Identification: Outfall 001 2-5-09 900AM

Analyte	Method	Result	RL	Units	Batch	Qualifier
BOD 5-day	SM 5210 B	7.7	2	mg/l	W27990	
Total Suspended Solids	USGS 3765	6.8	4	mg/l	W28003	
Aluminum	EPA 200.8	0.80	0.04	mg/l	S24877	
Chromium	EPA 200.8	0.026	0.007	mg/l	S24877	
Lead	EPA 200.8	< 0.04	0.04	mg/l	S24877	
Zinc	EPA 200.8	0.013	0.002	mg/l	S24877	

AIC No. 126565-2

Sample Identification: Outfall 001 2-5-09 900AM

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	< 0.01	0.01	mg/l	W27981	
Oil and Grease	EPA 1664A	< 2	2	mg/l	B5551	

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ANALYTICAL RESULTS

AIC No. 130142-1

Sample Identification: Outfall 001 6-18-09 7:00am

Analyte	Method	Result	RL	Units	Batch	Qualifier
BOD 5-day	SM 5210 B	4.0	2	mg/l	W29386	
Total Suspended Solids	USGS 3765	58	4	mg/l	W29381	
Aluminum	EPA 200.7	7.6	0.04	mg/l	S25788	
Chromium	EPA 200.7	< 0.007	0.007	mg/l	S25788	
Lead	EPA 200.7	< 0.04	0.04	mg/l	S25788	
Zinc	EPA 200.7	0.0039	0.002	mg/l	S25788	

AIC No. 130142-2

Sample Identification: Outfall 001 6-18-09 7:00am

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	< 0.01	0.01	mg/l	W29395	
Oil and Grease	EPA 1664A	< 2	2	mg/l	B5783	

AIC No. 130142-3

Sample Identification: Outfall 001 6-18-09 7:00am

Analyte	Method	Result	RL	Units	Batch	Qualifier
Base/Neutral and Acid Compounds By EPA 625						
Acenaphthene		< 10	10	ug/l	B5784	
Acenaphthylene		< 10	10	ug/l	B5784	
Anthracene		< 10	10	ug/l	B5784	
Benidine		< 50	50	ug/l	B5784	
Benzo(a)anthracene		< 5	5	ug/l	B5784	
Benzo(a)pyrene		< 5	5	ug/l	B5784	
Benzo(b)fluoranthene		< 10	10	ug/l	B5784	
Benzo(g,h,i)perylene		< 20	20	ug/l	B5784	
Benzo(k)fluoranthene		< 5	5	ug/l	B5784	
bis(2-Chloroethoxy)methane		< 10	10	ug/l	B5784	
bis(2-Chloroethyl)ether		< 10	10	ug/l	B5784	
bis(2-Chloroisopropyl)ether		< 10	10	ug/l	B5784	
bis(2-Ethylhexyl)phthalate		44	20	ug/l	B5784	D
4-Bromophenyl phenyl ether		< 10	10	ug/l	B5784	
Butyl benzyl phthalate		< 10	10	ug/l	B5784	
4-Chloro-3-methylphenol		< 10	10	ug/l	B5784	
2-Chloronaphthalene		< 10	10	ug/l	B5784	
2-Chlorophenol		< 10	10	ug/l	B5784	
4-Chlorophenyl phenyl ether		< 10	10	ug/l	B5784	
Chrysene		< 5	5	ug/l	B5784	
Di-n-octyl phthalate		< 10	10	ug/l	B5784	
Dibenz(a,h)anthracene		< 5	5	ug/l	B5784	
Dibutyl phthalate		< 10	10	ug/l	B5784	
1,2-Dichlorobenzene		< 10	10	ug/l	B5784	
1,3-Dichlorobenzene		< 10	10	ug/l	B5784	
1,4-Dichlorobenzene		< 10	10	ug/l	B5784	
3,3'-Dichlorobenzidine		< 5	5	ug/l	B5784	
2,4-Dichlorophenol		< 10	10	ug/l	B5784	
Diethyl phthalate		< 10	10	ug/l	B5784	
Dimethyl phthalate		< 10	10	ug/l	B5784	

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ANALYTICAL RESULTS

AIC No. 130142-3 (Continued)

Sample Identification: Outfall 001 6-18-09 7:00am

Analyte	Method	Result	RL	Units	Batch	Qualifier
Base/Neutral and Acid Compounds By EPA 625 (Continued)						
2,4-Dimethylphenol		< 10	10	ug/l	B5784	
2,4-Dinitrophenol		< 50	50	ug/l	B5784	
2,4-Dinitrotoluene		< 10	10	ug/l	B5784	
2,6-Dinitrotoluene		< 10	10	ug/l	B5784	
1,2-Diphenylhydrazine		< 20	20	ug/l	B5784	
Fluorene		< 10	10	ug/l	B5784	
Hexachlorobenzene		< 5	5	ug/l	B5784	
Hexachlorobutadiene		< 10	10	ug/l	B5784	
Hexachlorocyclopentadiene		< 10	10	ug/l	B5784	
Hexachloroethane		< 20	20	ug/l	B5784	
Indeno(1,2,3-cd)pyrene		< 5	5	ug/l	B5784	
Isophorone		< 10	10	ug/l	B5784	
2-Methyl-4,6-dinitrophenol		< 50	50	ug/l	B5784	
N-Nitroso-di-n-propylamine		< 20	20	ug/l	B5784	
N-Nitrosodimethylamine		< 50	50	ug/l	B5784	
n-Nitrosodiphenylamine		< 20	20	ug/l	B5784	R
Naphthalene		< 10	10	ug/l	B5784	
Nitrobenzene		< 10	10	ug/l	B5784	
2-Nitrophenol		< 20	20	ug/l	B5784	
4-Nitrophenol		< 50	50	ug/l	B5784	
Pentachlorophenol		< 5	5	ug/l	B5784	
Phenanthrene		< 10	10	ug/l	B5784	
Phenol		< 10	10	ug/l	B5784	
Pyrene		< 10	10	ug/l	B5784	
2,3,7,8-TCDD		< 1	1	ug/l	B5784	
1,2,4-Trichlorobenzene		< 10	10	ug/l	B5784	
2,4,6-Trichlorophenol		< 10	10	ug/l	B5784	
Surrogate Recovery						
2-Fluorobiphenyl		75.8	-	%	B5784	
2-Fluorophenol		50.9	-	%	B5784	
Nitrobenzene-D5		66.4	-	%	B5784	
Phenol-D5		37.8	-	%	B5784	
Terphenyl-D14		89.9	-	%	B5784	
2,4,6-Tribromophenol		78.5	-	%	B5784	
Volatile Organic Compounds By EPA 624						
Acrolein		< 50	50	ug/l	V7079	
Acrylonitrile		< 20	20	ug/l	V7079	
Benzene		< 4.4	4.4	ug/l	V7079	
Bromoform		< 4.7	4.7	ug/l	V7079	
Carbon tetrachloride		< 2	2	ug/l	V7079	
Chlorobenzene		< 6	6	ug/l	V7079	
Chlorodibromomethane		< 3.1	3.1	ug/l	V7079	
Chloroethane		< 8.7	8.7	ug/l	V7079	
2-Chloroethylvinyl ether		< 5.1	5.1	ug/l	V7079	
Chloroform		4.4	1.6	ug/l	V7079	J
1,2-Dichlorobenzene		< 1.9	1.9	ug/l	V7079	
1,3-Dichlorobenzene		< 1.9	1.9	ug/l	V7079	
1,4-Dichlorobenzene		< 4.4	4.4	ug/l	V7079	

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ANALYTICAL RESULTS

AIC No. 130142-3 (Continued)

Sample Identification: Outfall 001 6-18-09 7:00am

Analyte	Method	Result	RL	Units	Batch	Qualifier
Volatile Organic Compounds By EPA 624 (Continued)						
Dichlorobromomethane		< 2.2	2.2	ug/l	V7079	
1,1-Dichloroethane		< 4.7	4.7	ug/l	V7079	
1,2-Dichloroethane		< 2.8	2.8	ug/l	V7079	
1,1-Dichloroethylene		< 2.8	2.8	ug/l	V7079	
trans-1,2-Dichloroethylene		< 1.6	1.6	ug/l	V7079	
1,2-Dichloropropane		< 6	6	ug/l	V7079	
cis-1,3-Dichloropropylene		< 5	5	ug/l	V7079	
trans-1,3-Dichloropropylene		< 1.3	1.3	ug/l	V7079	
Ethylbenzene		< 7.2	7.2	ug/l	V7079	
Methyl bromide(Bromomethane)		< 8.9	8.9	ug/l	V7079	
Methyl chloride(Chloromethane)		< 7.8	7.8	ug/l	V7079	
Methylene chloride		< 10	10	ug/l	V7079	
1,1,2,2-Tetrachloroethane		< 6.9	6.9	ug/l	V7079	
Tetrachloroethylene		< 4.1	4.1	ug/l	V7079	
Toluene		< 6	6	ug/l	V7079	
1,1,1-Trichloroethane		< 3.8	3.8	ug/l	V7079	
1,1,2-Trichloroethane		< 5	5	ug/l	V7079	
Trichloroethylene		< 1.9	1.9	ug/l	V7079	
Vinyl chloride		< 6.4	6.4	ug/l	V7079	
Surrogate Recovery						
Bromofluorobenzene		104	-	%	V7079	
Dibromofluoromethane		96.4	-	%	V7079	
Toluene-D8		96.5	-	%	V7079	
Organochlorine Pesticides and PCBs By EPA 608						
Aldrin		< 0.004	0.004	ug/l	G7587	
alpha-BHC		< 0.003	0.003	ug/l	G7587	
alpha-Endosulfan		< 0.014	0.014	ug/l	G7587	
beta-BHC		< 0.006	0.006	ug/l	G7587	
beta-Endosulfan		< 0.004	0.004	ug/l	G7587	
Chlordane		< 0.014	0.014	ug/l	G7587	
Chlorpyrifos		< 0.05	0.05	ug/l	G7587	
4,4'-DDD		< 0.011	0.011	ug/l	G7587	
4,4'-DDE		< 0.004	0.004	ug/l	G7587	
4,4'-DDT		< 0.012	0.012	ug/l	G7587	
delta-BHC		< 0.009	0.009	ug/l	G7587	
Dieldrin		< 0.002	0.002	ug/l	G7587	
Endosulfan sulfate		< 0.066	0.066	ug/l	G7587	
Endrin		< 0.006	0.006	ug/l	G7587	
Endrin aldehyde		< 0.023	0.023	ug/l	G7587	
gamma-BHC (Lindane)		< 0.004	0.004	ug/l	G7587	
Heptachlor		< 0.003	0.003	ug/l	G7587	
Heptachlor epoxide		< 0.01	0.01	ug/l	G7587	
PCB 1016		< 0.2	0.2	ug/l	G7587	
PCB 1221		< 0.2	0.2	ug/l	G7587	
PCB 1232		< 0.2	0.2	ug/l	G7587	
PCB 1242		< 0.2	0.2	ug/l	G7587	
PCB 1248		< 0.2	0.2	ug/l	G7587	
PCB 1254		< 0.2	0.2	ug/l	G7587	





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ANALYTICAL RESULTS

AIC No. 130142-3 (Continued)

Sample Identification: Outfall 001 6-18-09 7:00am

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Batch</u>	<u>Qualifier</u>
Organochlorine Pesticides and PCBs By EPA 608 (Continued)						
PCB 1260		< 0.2	0.2	ug/l	G7587	
Toxaphene		< 0.24	0.24	ug/l	G7587	
Surrogate Recovery						
Decachlorobiphenyl		74.5	-	%	G7587	
Tetrachloro-m-xylene		98.7	-	%	G7587	