

Gage, Hannah

From: Johnson, Lindsay
Sent: Tuesday, March 28, 2017 9:12 AM
To: 'Lisa Rotenberry'; 'chuck.jones@danfoss.com'
Cc: Leamons, Bryan; McWilliams, Carrie; Yates, Adam; Gage, Hannah; 'dgreen@cityofarkadelphia.com'
Subject: AR0020605_Danfoss ARP001040 March 2017 quarterly Pretreatment report_20170328
Attachments: SA1 2017 Pretreatment Report Danfoss.pdf

Chuck,

Danfoss' quarterly Pretreatment report was electronically received, reviewed, and deemed complete and compliant with 40 CFR 403.12(e) reporting requirements and with Metal Finishing standards in 40 CFR 433.17. No further action is deemed necessary at this time.

Thank you for your timely report.

Best,

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

Cc: David Green, Arkadelphia Utilities Manager

[E/NPDES/NPDES/Pretreatment/Reports](#)

From: Lisa Rotenberry [<mailto:lrotenberry@harborenv.com>]
Sent: Monday, March 27, 2017 4:07 PM
To: Johnson, Lindsay; Yates, Adam
Subject: Semi-Annual Pretreatment Report - Danfoss AFIN: 10-00102

Lindsey/Adam,

I'm not sure who will be getting this report, so I'm sending it to both of you.

Please let me know if you have any questions or if it needs to go to someone else.

Thank you,

Lisa Rotenberry, *Regional Environmental Director*
Harbor · C 501.772.0016 · Lrotenberry@harborenv.com

Harbor Environmental | Safety | Engineering
5800 Evergreen Dr.
Little Rock, AR 72205
P 501.663.8800 | F 501.588.0123
www.harborenv.com



This email has been scanned for email related threats and delivered safely by Mimecast.
For more information please visit <http://www.mimecast.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(c).

Attn: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION and NPDES Pretreatment Tracking # ARP001040

<p>A. LEGAL NAME & MAILING ADDRESS</p> <p>Danfoss, LLC One Scroll Drive Arkadelphia, AR 71923</p>	<p>B. FACILITY & LOCATION ADDRESS</p> <p>Danfoss, LLC One Scroll Drive Arkadelphia, AR 71923</p>
<p>C. FACILITY CONTACT: Chuck Jones TELEPHONE NUMBER: 870-246-0714 e-mail: chuck.jones@danfoss.com</p>	

(2) REPORTING PERIOD--FISCAL YEAR From 2017 to 2017 (Both Semi-Annual Reports must cover Fiscal Year)

<p>A. MONTHS WHICH REPORTS ARE DUE</p> <p>March, June, September & December</p>	<p>B. PERIOD COVERED BY THIS REPORT</p> <p>FROM: January 2017 TO: March 2017</p>
--	--

(3) DESCRIPTION OF OPERATION

<p>A. REGULATED PROCESSES</p> <p><u>CORE PROCESS(ES)</u></p> <p>CHECK EACH APPLICABLE BLOCK</p> <p><input checked="" type="checkbox"/> Electroplating <input checked="" type="checkbox"/> Electroless Plating <input checked="" type="checkbox"/> Anodizing <input checked="" type="checkbox"/> Coating (conversion) <input checked="" type="checkbox"/> Chemical Etching and Milling <input checked="" type="checkbox"/> Printed Circuit Board Manufacture</p> <p><u>ANCILLARY PROCESS(ES)*</u></p> <p>LIST BELOW EACH PROCESS USED IN THE FACILITY</p> <p>_____</p> <p>_____</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>March 2017 Quarterly Report ARP001040 AR0020605 AFIN 10-00102 Filed Date 2017 03 27</p>
--	--

*SEE 40CFR433.10(a) FOR THE 40 ANCILLARY OPERATIONS

<p>C. Number of Regular Employees at this Facility <u> 195 </u></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 & Anc)		62,100	Continuous
Regulated (Cyanide)	16,985	62,100	Continuous
' 403.6(e) Unregulated*	0	0	N/A
' 403.6(e) Dilute	0	0	Batch
Cooling Water	0	0	Continuous
Sanitary	5,225	10,150	Continuous
Total Flow to POTW	22210	72,250	*****

*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 433.17 Pollutant(mg/l) limits	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 Avg	0.07	1.71	2.07	0.43	2.38	0.24	1.48	0.65	--
Max Measured	.000520	0.0104	0.024	0.0156	0.0484	0.0208	0.044	0.010	N/A
Avg Measured**	.000520	0.0104	0.024	0.0156	0.0484	0.0208	0.044	0.010	N/A

Sample Location After Pre-Treatment

Sample Type (Grab* or Composite) Grab

*If Grab, list # of grabs over what period of time

Number of Samples and Frequency Collected 1

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.

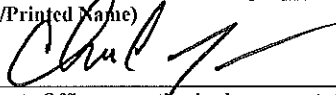
**A value here is the average of all samples taken during one (1) calendar month regardless of number of samples taken. If only one (1) sample is taken it must meet the monthly average limitation.

(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.

Chuck Jones, EHS Manager
(Typed/Printed Name)


(Corporate Officer or authorized representative signature)

Date of Signature 3/27/17

(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 Conservaton:

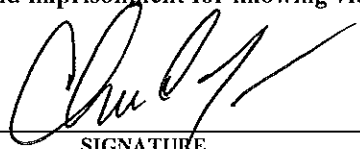
1. We continue to use mechanical separation of oil and grease prior to pre-treatment. _____
2. _____
3. _____
4. _____
5. _____

(8) GENERAL COMMENTS

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

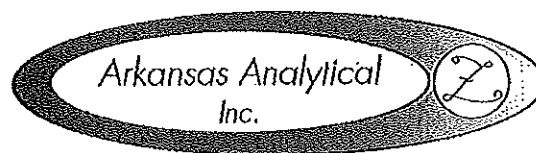
I certify under penalty of law that I have personally examined and am familiar with the information in this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information 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.

Chuck Jones
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE


SIGNATURE

EHS Manager
OFFICIAL TITLE

3/27/17
DATE SIGNED



8100 National Dr. - Little Rock, AR 72209
501-455-3233 Fax 501-455-6118

31 January 2017

Chuck Jones
Danfoss - Scroll Technologies
1 Scroll Drive
Arkadelphia, AR 71923-8813

Project: Industrial Wastewater Effluent Sample
Project Number: January 2017
SDG Number: 1701328

Enclosed are the results of analyses for samples received by the laboratory on 24-Jan-17 10:15. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	✓
Containers Correct	✓
COC/Labels Agree	✓
Received On Ice	
Temperature on Receipt	16.0°C

Sincerely,

Norma James / Teresa Coins

Norma James and/or Teresa Coins
Technical Director and/or QA Officer

This document is intended only for the use of the person(s) to whom it is expressly addressed. This document may contain information that is confidential and legally privileged. If you are not the intended recipient, you are notified that any disclosure, distribution, or copying of this document is strictly prohibited. If you have received this document in error, please destroy.

31 January 2017

Chuck Jones

Danfoss - Scroll Technologos

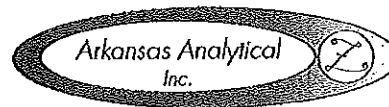
1 Scroll Drive

Arkadelphia, AR 71923-8813

Project: Industrial Wastewater Effluent Sample

Project Number: January 2017

Date Received: 24-Jan-17 10:15



CASE NARRATIVE

Sample Delivery Group – 1701328

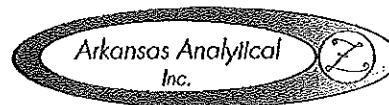
One OR more of the qualifiers described below may appear in this report. Qualifiers in RED apply to this SDG (Sample Delivery Group).

SAMPLE RECEIPT QUALIFIERS:

<u>Qualifier</u>	<u>Description</u>
ET	Samples received above required temperature.
ET	Samples received above required temperature. Although collected and received the same day, no ice was present to indicate the cooling preservation was attempted.
E2	Result qualified as it was received and analyzed outside of holding time. Analysis is considered a "Field" analysis.
E2	Result qualified as it was received and/or analyzed outside of holding time.
E3	Result qualified as it was received in the incorrect container and/or preservation.

31 January 2017

Chuck Jones
 Danfoss - Scroll Technologies
 1 Scroll Drive
 Arkadelphia, AR 71923-8813
 Project: Industrial Wastewater Effluent Sample
 Project Number: January 2017
 Date Received: 24-Jan-17 10:15



ANALYTICAL RESULTS

Lab Number: 1701328-01
 Sample Name: Effluent Grab
 Date/Time Collected: 1/23/17 10:30
 Sample Matrix: Water

Total Metals	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Arsenic	mg/L	< 0.0104		1/25/17 14:28	B701411	200.7, Rev 4.4 (1994)
Cadmium	mg/L	< 0.000520		1/25/17 14:28	B701411	200.7, Rev 4.4 (1994)
Chromium	mg/L	< 0.0104		1/25/17 14:28	B701411	200.7, Rev 4.4 (1994)
Copper	mg/L	0.024		1/25/17 14:28	B701411	200.7, Rev 4.4 (1994)
Lead	mg/L	< 0.0156		1/25/17 14:28	B701411	200.7, Rev 4.4 (1994)
Manganese	mg/L	1.21		1/25/17 14:28	B701411	200.7, Rev 4.4 (1994)
Nickel	mg/L	0.0484		1/25/17 14:28	B701411	200.7, Rev 4.4 (1994)
Silver	mg/L	< 0.0208		1/25/17 14:28	B701411	200.7, Rev 4.4 (1994)
Zinc	mg/L	0.044		1/25/17 14:28	B701411	200.7, Rev 4.4 (1994)
Wet Chemistry	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Cyanide (total)	mg/L	< 0.010	ET	1/30/17 14:07	B701456	4500-CN B,E-1999

QUALITY CONTROL RESULTS

Total Metals -- Batch: B701411 (Water)

Prepared: 25-Jan-17 11:35 By: ST -- Analyzed: 25-Jan-17 14:24 By: ST

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Arsenic	<0.0104 mg/L	103% / NA	110% / 111%		0.0671%	
Cadmium	<0.000520 mg/L	100% / NA	100% / 100%		0.116%	
Chromium	<0.0104 mg/L	100% / NA	101% / 101%		0.186%	
Copper	<0.005 mg/L	103% / NA	103% / 104%		0.182%	
Lead	<0.0156 mg/L	100% / NA	95.8% / 95.9%		0.111%	
Manganese	<0.0104 mg/L	95.0% / NA	92.7% / 89.4%		0.993%	
Nickel	<0.0104 mg/L	98.9% / NA	97.1% / 97.1%		0.0207%	
Silver	<0.0208 mg/L	99.1% / NA	88.2% / 94.0%		6.38%	
Zinc	<0.005 mg/L	97.3% / NA	101% / 101%		0.0774%	

Wet Chemistry -- Batch: B701456 (Water)

Prepared: 27-Jan-17 14:54 By: CAS -- Analyzed: 30-Jan-17 14:07 By: CAS

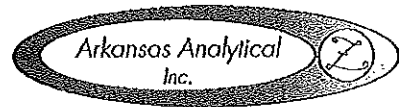
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Cyanide (total)	<0.010 mg/L	101% / 101%	100% / NA		0.660%	

QUALIFIER(S)

*ET: Estimated Result; Temperature Upon Receipt Exceeded 6 Degrees Centigrade

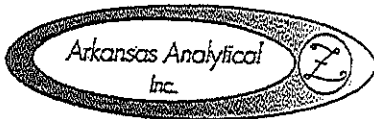
31 January 2017

Chuck Jones
Danfoss - Scroll Technologies
1 Scroll Drive
Arkadelphia, AR 71923-8813
Project: Industrial Wastewater Effluent Sample
Project Number: January 2017
Date Received: 24-Jan-17 10:15



All Analysis performed according to EPA approved methodology when available:
SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods.
Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Reviewed by: Norma James / Teresa Coins
Norma James and/or Teresa Coins
Technical Director and/or QA Officer



8100 National Dr.
 Little Rock, AR 72209
 PHONE: 501-455-3233
 FAX: 501-455-6118

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION			Project Description		Turnaround Time	Preservation Codes:											
Danfoss - Scroll Technologies			Industrial Wastewater		1 Day (100%)	1. Cool, 4 Degrees Centigrade					4. Thiosulfate for Dechlorination						
One Scroll Dr.			Effluent Sample		2 Day (50%)	2. Sulfuric Acid (H ₂ SO ₄), pH < 2					5. Hydrochloric Acid (HCl)						
Arkadelphia, AR 71923-8813			Reporting Information		3 Day (25%)	3. Nitric Acid (HNO ₃), pH < 2					6. Sodium Hydroxide (NaOH), pH > 12						
Attn: Chuck Jones			Telephone: 870-246-0714		5-Day (Routine)	TEST PARAMETERS										Bottle Type-Code	
			Fax: 870-245-0150		Preservative Codes:	1,4	1,3									G - Glass; P - Plastic	
			Email: chuck.jones@danfoss.com		Bottle Type:	P	P									V - Septum; A - Amber	
Sampler(s) Signature			Sampler(s) Printed														
Field Number	SAMPLE COLLECTION		Grab	Comp	Number of Bottles	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION										Arkansas Analytical Work Order Number:
	Date/s	Time/s					Cyanide	As, Cd, Cr, Cu, Pb, Mn, Ni, Ag, Zn									
	1/23/17	10:30	X		2	Water	Effluent Grab	X	X								1701328 01
1. Relinquished by: (Signature)			Date/Time		2. Received by: (Signature)			SAMPLE CONDITION UPON RECEIPT IN LAB					REMARKS / SAMPLE COMMENTS				
			1/23/17 10:30		UPS			1. CUSTODY SEALS: <input checked="" type="checkbox"/> Yes ___ No 2. CONTAINERS CORRECT: <input checked="" type="checkbox"/> Yes ___ No 3. COC/LABELS AGREE: <input checked="" type="checkbox"/> Yes ___ No 4. RECEIVED ON ICE: ___ Yes <input checked="" type="checkbox"/> No 5. TEMPERATURE ON RECEIPT: 16 °C 6. TEMPERATURE GUN ID: HHT# 2									
3. Relinquished by: (Signature)			Date/Time		4. Received by lab: (Signature)			FOR COMPLETION BY LAB ONLY									
UPS			1-24-17 10:15		Johnny Riddle												