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

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(e). Attn: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION and NPDES Pretreatment Tracking # ARP001040

A. LEGAL NAME & MAILING ADDRESS

Danfoss, LLC
One Scroll Drive
Arkadelphia, AR 71923

B. FACILITY & LOCATION ADDRESS

Danfoss, LLC
One Scroll Drive
Arkadelphia, AR 71923

C. FACILITY CONTACT: Chuck Jones TELEPHONE NUMBER: 870-246-0714 e-mail: chuck.jones@danfoss.com

(2) REPORTING PERIOD--FISCAL YEAR From 2017 to 2017

(Both Semi-Annual Reports must cover Fiscal Year)

A. MONTHS WHICH REPORTS ARE DUE

March, June, September & December

B. PERIOD COVERED BY THIS REPORT

FROM: January 2017 TO: March 2017

(3) DESCRIPTION OF OPERATION

A. REGULATED PROCESSES

CORE PROCESS(ES)

CHECK EACH APPLICABLE BLOCK

G Electroplating
G Electroless Plating
G Anodizing
X Coating (conversion)
G Chemical Etching and Milling
G Printed Circuit Board Manufacture

ANCILLARY PROCESS(ES)*

LIST BELOW EACH PROCESS USED IN THE FACILITY

_____

_____

_____

_____

_____

_____

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

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.

March 2017 Quarterly Report
ARP001040
AR0020605
AFIN 10-00102
Filed Date 2017 03 27

C. Number of Regular Employees at this Facility __195____

D. [Reserved]

40 CFR 433 SEMI-ANNUAL REPORT CON'D FACILITY NAME: __Danfoss, LLC_____

(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

G Neutralization
X Chemical Precipitation and Sedimentation
G Chromium Reduction
G Cyanide Destruction
G Other _____
G 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: X Yes G 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: G '433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED X '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

40 CFR 433 SEMI-ANNUAL REPORT CON'D FACILITY NAME: __Danfoss, LLC_____

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

__Chuck Jones_____ _____
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE SIGNATURE

__EHS Manager_____ 3/27/17
OFFICIAL TITLE DATE SIGNED

Arkansas Analytical Inc.

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

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

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:

Qualifier	Description
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

Arkansas Analytical Inc.
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_2SO_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
	Telephone: 870-246-0714	5-Day (Routine)	TEST PARAMETERS
Attn: Chuck Jones	Fax: 870-245-0150	Preservative Code:	1,4 / 1,3
	Email: chuck.jones@danfoss.com	Bottle Type:	P / P

Sampler(s) Signature:

Sampler(s) Printed:

Field Number	SAMPLE COLLECTION Date/s	Time/s	Grab	Comp	Number of Bottles	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION	Cyanide	As, Cd, Cr, Cu, Pb, Mn, Ni, Ag, Zn	Bottle Type Code	Arkansas Analytical Work Order Number:
	1/23/17	1030	X		2	Water	Effluent Grab	X	X	P	1701328
											01

1. Relinquished by: (Signature)	Date/Time	2. Received by: (Signature)
	1/23/17 1030	UPS
3. Relinquished by: (Signature)	Date/Time	4. Received by lab: (Signature)
UPS	1-24-17 1015	Danning Riddle

SAMPLE CONDITION UPON RECEIPT IN LAB		
1. CUSTODY SEALS:	✓ Yes	___ No
2. CONTAINERS CORRECT:	↓ Yes	___ No
3. COC/LABELS AGREE:	↓ Yes	___ No
4. RECEIVED ON ICE:	___ Yes	X No
5. TEMPERATURE ON RECEIPT:	1.6 °C	
6. TEMPERATURE GUN ID:	IHT# 2	
FOR COMPLETION BY LAB ONLY		

REMARKS / SAMPLE COMMENTS

Revision 3
1/4/16