

Gage, Hannah

From: Gilliam, Allen
Sent: Tuesday, June 28, 2016 8:47 AM
To: 'Jones Chuck'
Cc: Gage, Hannah; Leamons, Bryan; Arkadelphia - Brenda Gills; Nseniyukuri, Bonesphore
Subject: AR0020605_Danfoss ARP001040 June 2016 quarterly Pretreatment report_20160628
Attachments: 20160628061931545.pdf

Chuck,

Danfoss' June 2016 quarterly report (attached) was electronically received, reviewed, deemed complete and compliant with the reporting requirements in 40 CFR 403.12(e) and more specifically in compliance with the Metal Finishing standards in 40 CFR 433.15.

No further action is deemed necessary at this time.

Note: the chain of custody is not complete. The sampler's name is not shown. Analytical results from a "broken" chain of custody may not be admissible in a court of law.

Thank you for your timely report.

Sincerely,

Allen Gilliam
ADEQ State Pretreatment Coordinator
501.682.0625

cc: Brenda Gills, Arkadelphia Utilities Manager

E/NPDES/NPDES/Pretreatment/Reports

-----Original Message-----

From: Jones Chuck [<mailto:Chuck.Jones@danfoss.com>]
Sent: Tuesday, June 28, 2016 7:02 AM
To: Gilliam, Allen
Subject: FW:

Results for this quarter

Chuck Jones, NREMT-P
Environmental, Health and Safety Manager Commercial Compressors North America Danfoss LLC One Scroll Drive
Arkadelphia, AR 71923 chuck.jones@danfoss.com
Tel.: 870-246-0714
Mobile: 501-617-3459
Fax: 870-245-0150
<http://www.danfoss.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 LCC
 One Scroll Drive
 Arkadelphia AR 71923

B. FACILITY & LOCATION ADDRESS
 Danfoss LCC
 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 _____ to _____ (Both Semi-Annual Reports must cover Fiscal Year)

A. MONTHS WHICH REPORTS ARE DUE
 2nd Quarter through April 2016

B. PERIOD COVERED BY THIS REPORT
FROM: May **TO:** July

(3) DESCRIPTION OF OPERATION

A. REGULATED PROCESSES

CORE PROCESS(ES)

CHECK EACH APPLICABLE BLOCK

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

ANCILLARY PROCESS(ES)*

LIST BELOW EACH PROCESS USED IN THE FACILITY

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.

July 2016 QR
 ARP 001040
 AR0020605
 AFIN 10-00102
 Filed Date 2016 06 26

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

C. Number of Regular Employees at this Facility 195

D. [Reserved]

(4) FLOW MEASUREMENT

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

Process	Average	Maximum	Type of Discharge*
Regulated (Core & Cyanide)	18142	62100	Continuous
' 403.6(e) Unregulated*	0	0	N/A
' 403.6(e) Dilute	0	0	Batch
Cooling Water	0	0	Continuous
Sanitary	4800	10150	Continuous
Total Flow to POTW	22942	72250	*****

*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(c).

(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	.00052	.0104	.0291	.0156	.0681	.0208	.00784	.010	*
Avg Measured**	.00052	.0104	.0291	.0156	.0681	.0208	.00784	.010	*

Sample Location After Pre-Treatment

Sample Type (Grab* or Composite) Composite

*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.

(Typed/Printed Name)

(Corporate Officer or authorized representative signature)

Date of Signature _____

(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:

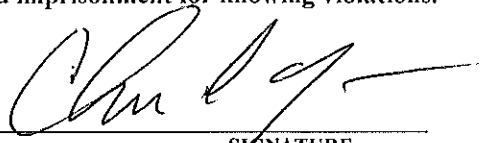
1. We continue to use mechanical separation of oil and grease prior to pre-treatment.
2. _____
3. _____
4. _____
5. _____

(8) GENERAL COMMENTS

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

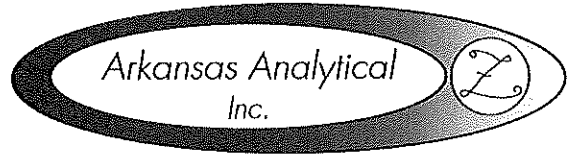
I certify under penalty of law that I have personally examined and am familiar with the information in this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information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

6/28/16
DATE SIGNED



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

21 June 2016

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

Project: Industrial Wastewater Effluent Sample
Project Number: June 2016
SDG Number: 1606243

Enclosed are the results of analyses for samples received by the laboratory on 15-Jun-16 09:23. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

<u>Custody Seals</u>	✓
<u>Containers Correct</u>	✓
<u>COC/Labels Agree</u>	✓
<u>Received On Ice</u>	
Temperature on Receipt	25.0°C

Sincerely,

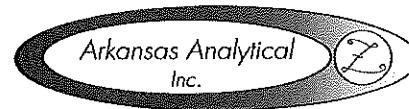
Norma James / Teresa Coins

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

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21 June 2016

Chuck Jones
Danfoss - Scroll Technologies
1 Scroll Drive
Arkadelphia, AR 71923-8813
Project: Industrial Wastewater Effluent Sample
Project Number: June 2016
Date Received: 15-Jun-16 09:23



CASE NARRATIVE

Sample Delivery Group – 1606243

One OR more of the qualifiers described below may appear in this report.

CALIBRATION QUALIFIERS:

<u>Qualifier</u>	<u>Description</u>
CR	Result above highest calibration standard, but within linear calibration range.
Est3	Result at the Instrument was above the concentration of the highest standard in the calibration curve.
E5	Second Source Verification Failure
E7	Internal Standard Response Failure
E11	Initial Calibration Minimum Response Factor Failure
E21	CCV Low
E-01	CCV High
E35	Low Level CCV Failure

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.

21 June 2016

Chuck Jones
Danfoss - Scroll Technologies
1 Scroll Drive
Arkadelphia, AR 71923-8813
Project: Industrial Wastewater Effluent Sample
Project Number: June 2016
Date Received: 15-Jun-16 09:23



ANALYTICAL RESULTS

Lab Number: 1606243-01
Sample Name: Effluent Grab
Date/Time Collected: 6/14/16 14:00
Sample Matrix: Water

Total Metals	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Arsenic	mg/L	< 0.0104		6/20/16 14:58	B606277	200.7, Rev 4.4 (1994)
Cadmium	mg/L	< 0.000520	E35	6/20/16 14:58	B606277	200.7, Rev 4.4 (1994)
Chromium	mg/L	< 0.0104		6/20/16 14:58	B606277	200.7, Rev 4.4 (1994)
Copper	mg/L	0.0291		6/20/16 14:58	B606277	200.7, Rev 4.4 (1994)
Lead	mg/L	< 0.0156		6/20/16 14:58	B606277	200.7, Rev 4.4 (1994)
Manganese	mg/L	1.87		6/20/16 14:58	B606277	200.7, Rev 4.4 (1994)
Nickel	mg/L	0.0681		6/20/16 14:58	B606277	200.7, Rev 4.4 (1994)
Silver	mg/L	< 0.0208		6/20/16 14:58	B606277	200.7, Rev 4.4 (1994)
Zinc	mg/L	0.0784		6/20/16 14:58	B606277	200.7, Rev 4.4 (1994)
Wet Chemistry	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Cyanide (total)	mg/L	< 0.010	ET	6/20/16 14:29	B606229	4500-CN B,E-1999

QUALITY CONTROL RESULTS

Wet Chemistry -- Batch: B606229 (Water)
Prepared: 15-Jun-16 14:07 By: CAS -- Analyzed: 20-Jun-16 14:29 By: CAS

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Cyanide (total)	<0.010 mg/L	102% / 95.0%	90.0% / NA		7.43%	

Total Metals -- Batch: B606277 (Water)
Prepared: 17-Jun-16 13:50 By: HF -- Analyzed: 20-Jun-16 14:43 By: HF

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Arsenic	<0.0104 mg/L	107% / NA	114% / 116%		1.95%	
Cadmium	<0.000520 mg/L	106% / NA	107% / 109%		1.65%	
Chromium	<0.0104 mg/L	109% / NA	109% / 112%		2.01%	
Copper	<0.00520 mg/L	107% / NA	105% / 108%		2.12%	
Lead	<0.0156 mg/L	110% / NA	104% / 105%		1.46%	
Manganese	<0.0104 mg/L	110% / NA	105% / 107%		2.32%	
Nickel	<0.0104 mg/L	108% / NA	108% / 112%		2.45%	
Silver	<0.0208 mg/L	109% / NA	100% / 103%		2.98%	
Zinc	<0.00520 mg/L	105% / NA	110% / 112%		1.03%	

QUALIFIER(S)

*E35: Estimated Result Due to Low Level CCV Failure
*ET: Estimated Result; Temperature Upon Receipt Exceeded 6 Degrees Centigrade

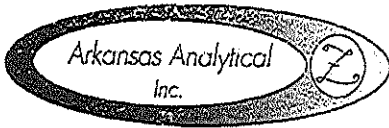
21 June 2016

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Danfoss - Scroll Technologies
1 Scroll Drive
Arkadelphia, AR 71923-8813
Project: Industrial Wastewater Effluent Sample
Project Number: June 2016
Date Received: 15-Jun-16 09:23



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 Code:		1,3	1,6														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	As, Cd, Cr, Cu, Pb, Mn, Ni, Ag, Zn	Cyanide											Arkansas Analytical Work Order Number:			
	Date/s	Time/s																					
	6/14/16	1400	X		2	Water	Effluent Grab	X	X													16016243	
																						01	
1. Relinquished by: (Signature)			Date/Time		2. Received by: (Signature)			SAMPLE CONDITION UPON RECEIPT IN LAB						REMARKS / SAMPLE COMMENTS									
			6/14/16 1410		UPS			1. CUSTODY SEALS: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 2. CONTAINERS CORRECT: <input type="checkbox"/> Yes <input type="checkbox"/> No 3. COC/LABELS AGREE: <input type="checkbox"/> Yes <input type="checkbox"/> No 4. RECEIVED ON ICE: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 5. TEMPERATURE ON RECEIPT: 25°C 6. TEMPERATURE GUN ID: HHT# 2															
3. Relinquished by: (Signature)			Date/Time		4. Received by lab: (Signature)			FOR COMPLETION BY LAB ONLY															
UPS			6-15-16 9:23		Johnny Riddle																		