Peltier, Hannah

From: Gilliam, Allen
Sent: Thursday, March 12, 2015 12:27 PM
To: chuck jones
Cc: Fuller, Kim; Peltier, Hannah; Arkadelphia - Brenda Gills; Healey, Richard
Subject: AR0020605_Danfoss ARP001040 late Dec 2014 quarterly report with ADEQ reply_ 20150312
Attachments: 20150304122210654.pdf

Chuck,

Danfoss' December 2014 quarterly report was electronically received late, reviewed, deemed complete and compliant with the reporting requirements in 40 CFR 403.12(e) and more specifically compliant with the Metal Finishing standards in 40 CFR 433.17.

Danfoss' late report meets the criteria of significant non-compliance (SNC) in 40 CFR 403.8(f)(2)(viii)(F), "Failure to provide, within 45 days after the due date, required reports such as baseline monitoring reports, 90-day compliance reports, periodic self-monitoring reports...". It is advisable to take Danfoss' samples earlier in your reporting period to avoid this.

Via our phone conversations during the latter part of December 2014, you did mention your contract lab did not analyze for the required metals after being instructed to do so. It would be advisable to have a strong conversation regarding the possible ramifications with your contract lab if you haven't already done so.

Note: The Chain of Custody (C of C) attached to this report is "broken" or not complete. The sampler's name is not shown. The C of C does not show who the sample was relinquished by, etc. all the way to the lab. Results from a broken C of C may not be admissible in court of law. Please discuss this with your contract lab to present a complete C of C in the future.

Hopefully, you've already secured samples/results for your March 2015 periodic report.

If you have any questions or concerns please feel free to contact this office.

Sincerely,

Allen Gilliam
ADEQ State Pretreatment Coordinator
501.682.0625

Ec: Brenda Gills, Arkadelphia Utilities Manager
Richard Healey, Water Division, Enforcement Branch Manager

E/NPDES/NPDES/Pretreatment/Reports

-----Original Message-----
From: Jones Chuck [mailto:Chuck.Jones@danfoss.com]
Sent: Wednesday, March 04, 2015 12:52 PM
To: Gilliam, Allen
Subject: FW:

Ok redone sir

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

4th Quarter through DEC 2014

B. PERIOD COVERED BY THIS REPORT

FROM: OCT TO: DEC

(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.

Dec 2014 QR
ARP 001040
AR0020605
AFIN 10-00102
Filed Date 2014 12 31

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 &		62100	Continuous
Regulated (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	5800	10150	Continuous
Total Flow to POTW	23942	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(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	0.001	0.010	0.024	0.016	0.335	0.021	0.093	0.01	0.020
Monthly Avg	0.07	1.71	2.07	0.43	2.38	0.24	1.48	0.65	--
Max Measured	.0007	.001	.0067	.00593	.0367	.0001	.0049	.011	*
Avg Measured**	.0007	.001	.0067	.00593	.0367	.0001	.0049	.011	*

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: 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 G '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(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
OFFICIAL TITLE

3/4/15
DATE SIGNED

CHEMISTS
ECOLOGISTS
CONSULTANTS
PLANNERS

SORRELLS RESEARCH
LABORATORY AND FIELD SERVICES

8100 National Drive
Little Rock, Arkansas 72209

Phone 501-562-8139
Fax 501-562-7025
Toll Free 1-800-331-8139

LABORATORY ANALYSIS

Date of Report: February 26, 2015
Date Received : February 11, 2015

For:DANFOSS - SCROLL TECHNOLOGIES
ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-8813
Job:INDUSTRIAL WASTEWATER ANALYSIS / P.O.#8585034
Sample From: EFFLUENT GRAB 02/11/15

ANALYTE		RESULT	UNITS	METHOD
Arsenic, As	<	0.010	mg/Liter	200.8
Cadmium, Cd	<	0.001	mg/Liter	200.8
Chromium, Cr	<	0.010	mg/Liter	200.8
Copper, Cu		0.024	mg/Liter	200.8
Lead, Pb	<	0.016	mg/Liter	200.8
Manganese, Mn		4.070	mg/Liter	200.8
Nickel, Ni		0.335	mg/Liter	200.8
Silver, Ag	<	0.021	mg/Liter	200.8
Zinc, Zn		0.093	mg/Liter	200.8
Metals, Digestion for	=	1.000	ea sample	3030 D

STANDARD METHODS, 20TH ED.; EPA METHODS, 3RD ED.
Collected by:
CLIENT on 02/11/15 at 13:00
Analysis by :
SEE ATTACHED QUALITY ASSURANCE PAGE.
Sample preservation and Laboratory Analysis conducted according to EPA 40 CFR Part 136. Test/Analyst/Time/Coeff./Var./ QA plan filed with ADPC&E. Includes 10 % replication and 10 % recovery studies by random selection. Instruments maintained and calibrated and records kept.
See Attached.

Copies to:
MR. CHUCK JONES
ENV. HEALTH & SAFETY MGR

ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-

Laboratory Number: 17883.0001 TKR Reviewed By: K. E. Sorrells, M.S. [ ]

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QUALITY ASSURANCE

February 11, 2015
The following QA represents SRA's Quality Assurance values for this report.

ANALYTE	ANALYST	BEG. DATE	BEG. TIME	FIN. DATE	FIN. TIME	S.D. %	SPK. REC.	#IN BAT
Arkansas Analytical Inc.	QA OF	/ /	0	/ /	0	0.00	0.0	0

Field PH/TEMP/D.O. Sampler or Courier/ at time of sampling or pick up Sample preservation and laboratory analysis conducted according to EPA 40 CFR Part 136 TEST/ANALYST/TIME/COEF. VAR.* QA PLAN filed with ADPC&E. Include replication.

KES = K. E. Sorrells
JBS = James B. Sorrells
CAS = Cecil A. Sorrells
MKM = Mark Kyle McKenzie

KESII = K. E. Sorrells, II
TJS = Todd J. Sanders
JHD = J. Henry Dodson

Laboratory Number: 17883.0001 TKR

SORRELLS RESEARCH ASSOCIATES, INC

8100 NATIONAL DRIVE, LITTLE ROCK, AR 72209
501-562-8139 800-331-8139
FAX 501-562-7025

CHAIN OF CUSTODY RECORD

TURN AROUND TIME
RUSH 24HR. 48 HR.
5 DAY REG
OTHER_____

FOR LAB/OFFICE USE ONLY
LAB # 17883.0001
CLIENT # 41017
P.O.#_____

STANDARD METHODS PRESERVATION PER EPA 40 CFR
C 4= COOL TO 4.C
S<2= SULFURIC ACID TO pH<2
N<2= NITRIC ACID TO pH<2
T= THIOSULFATE FOR DECHLORINATION
W= WINKLER AZIDE MODIFICATION
P= MEMBRANE ELECTRODE
NaOH= pH >12

110913k2

NAME OF COMPANY, CITY, OR PROJECT: Dan Foss Industrial wastewater
PROJECT NO:
SAMPLER(S) NAME: (PRINT)

SAMPLE NO:	SAMPLE ID AND/ OR COLLECTION LOCATION	START DATE/TIME	END DATE/TIME	COMP GRAB	FIELD ANALYSIS pH	TEMP	FLOW	CL2	D,O (W) D.O(P)	CONTAINER TYPE PRESERVATIVE	ANALYSIS REQUIRED
	Effluent Grab	13:00	2/11/15	G						~~¼ plastic C<4~~	~~BOD, TSS~~
	"			G						~~1000 ml glass s<2~~	~~Oil & grease~~
	"			G						~~1000 ml glass~~ s<2	~~Phenols~~
	" Metals only			G						50 ml vial P HNO3	As,Cd,Cr,Cu,Pb,Mn,Ni,Ag,Zn
	"			G						~~500 P NaOH~~	~~CN~~
				G						~~1L ATC C4, 3(40ml)~~	~~TTO~~
										~~onsite~~	~~pH, temp,~~

METHOD OF SHIPMENT (CIRCLE)	FIELD CALIBRATION RECORD		NOTES/COMMENTS/OBSERVATIONS
FED EX WALK IN SRA UPS OTHER	pH 7	7.00	All containers at C4
	pH 4	4.01	
	pH 10	10.00	
	D.O		
TYPE OF SAMPLE(S): (CIRCLE)			
WATER SOIL W/W SLUDGE OTHER			FIELD ANALYSIS CONDUCTED BY: (CIRCLE) SRA CLIENT

RELINQUISHED BY: DATE/TIME: RECEIVED BY: DATE/TIME: 2.11.15 1520

RELINQUISHED BY: DATE/TIME: RECEIVED BY(LAB): DATE/TIME: 2.11.15 1600

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LABORATORY ANALYSIS

Date of Report: January 13, 2015
Date Received : December 17, 2014

For: DANFOSS - SCROLL TECHNOLOGIES
ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-8813
Job: INDUSTRIAL WASTEWATER ANALYSIS / P.O.#8585034
Sample From: EFFLUENT COMP 12/16-17/14 1000-1001

ANALYTE		RESULT	UNITS	METHOD
Biochemical oxygen demand		5.880	mg/Liter	5210 B
Total suspended solids		28.500	mg/Liter	2540D
Oil and grease - Gravimetric	<	3.000	mg/Liter	1664A
Phenolics, total		0.010	mg/Liter	420.1
Cyanide, total	<	0.010	mg/Liter	4500cn
Acrolein	<	50.000	ug/Liter	624
Acrylonitrile	<	20.000	ug/Liter	624
Benzene	<	10.000	ug/Liter	624
Bromodichloromethane	<	10.000	ug/Liter	624
Bromoform	<	10.000	ug/Liter	624
Bromomethane (Methyl bromide)	<	50.000	ug/Liter	624
Carbon tetrachloride	<	2.000	ug/Liter	624
Chlorobenzene	<	10.000	ug/Liter	624
Chloroethane	<	50.000	ug/Liter	624
Chloroform	<	10.000	ug/Liter	624
Chloroethylvinyl ether, 2-	<	10.000	ug/Liter	624
Chloromethane (Methyl chloride)	<	50.000	ug/Liter	624
Chlorodibromomethane	<	10.000	ug/Liter	624
Dichloroethane, 1,1-	<	10.000	ug/Liter	624
Dichloroethylene, cis-1,2-	<	10.000	ug/Liter	624
Dichloroethane, 1,2-	<	10.000	ug/Liter	624
Dichloroethylene, trans-1,2-	<	10.000	ug/Liter	624
Dichloroethylene, 1,1- (1,1-dichloroethene)	<	10.000	ug/Liter	624
Dichloropropane, 1,2-	<	10.000	ug/Liter	624
Dichloropropylene, cis-1,3-	<	10.000	ug/Liter	624
Dichloropropylene, trans-1,3-	<	10.000	ug/Liter	624
Ethylbenzene	<	10.000	ug/Liter	624
Methylene chloride	<	20.000	ug/Liter	624
Tetrachloroethane, 1, 1, 2, 2	<	10.000	ug/Liter	624
Tetrachloroethylene	<	10.000	ug/Liter	624
Toluene	<	10.000	ug/Liter	624
Trichloroethane, 1, 1, 1-	<	10.000	ug/Liter	624

Laboratory Number: 17733.0001

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LABORATORY ANALYSIS

Date of Report: January 13, 2015
Date Received : December 17, 2014

For: DANFOSS - SCROLL TECHNOLOGIES
ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-8813
Job: INDUSTRIAL WASTEWATER ANALYSIS / P.O.#8585034
Sample From: EFFLUENT COMP 12/16-17/14 1000-1001

ANALYTE		RESULT	UNITS	METHOD
Trichloroethane, 1, 1, 2-	<	10.000	ug/Liter	624
Trichloroethylene	<	10.000	ug/Liter	624
Vinyl chloride	<	10.000	ug/Liter	624
Acenaphthene	<	10.000	ug/Liter	625mod
Acenaphthylene	<	10.000	ug/Liter	625mod
Anthracene	<	10.000	ug/Liter	625mod
Benzidine	<	50.000	ug/Liter	625mod
Benzo (a) anthracene	<	5.000	ug/Liter	625mod
Benzo (a) pyrene	<	5.000	ug/Liter	625mod
Benzo (b) fluoranthene	<	5.000	ug/Liter	625mod
Benzo (g,h,i) perylene	<	20.000	ug/Liter	625mod
Benzo (k) fluoranthene	<	5.000	ug/Liter	625mod
bis (2-chloroethoxy) methane	<	10.000	ug/Liter	625mod
bis (2-chloroethyl) ether	<	10.000	ug/Liter	625mod
bis (2-chloroisopropyl) ether	<	10.000	ug/Liter	625mod
bis (2-ethylhexyl) phthalate	<	10.000	ug/Liter	625mod
Bromophenyl phenyl ether, 4-	<	10.000	ug/Liter	625mod
Butylbenzyl phthalate	<	10.000	ug/Liter	625mod
Chloronaphthalene, 2-	<	10.000	ug/Liter	625mod
Chlorophenol, 2-	<	10.000	ug/Liter	625mod
Chlorophenyl phenyl ether, 4-	<	10.000	ug/Liter	625mod
Chrysene	<	5.000	ug/Liter	625mod
Dibenzo (a,h) anthracene	<	5.000	ug/Liter	625mod
Dichlorobenzene, 1,2-	<	10.000	ug/Liter	625mod
Dichlorobenzene, 1,3-	<	10.000	ug/Liter	625mod
Dichlorobenzene, 1,4-	<	10.000	ug/Liter	625mod
Dichlorobenzidine, 3,3-	<	5.000	ug/Liter	625mod
Dichlorophenol, 2,4-	<	10.000	ug/Liter	625mod
Diethylphthalate	<	10.000	ug/Liter	625mod
Dimethylphenol, 2,4-	<	50.000	ug/Liter	625mod
Dimethylphthalate	<	10.000	ug/Liter	625mod
Di-n-butyl phthalate	<	10.000	ug/Liter	625mod

Laboratory Number: 17733.0001

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LABORATORY ANALYSIS

Date of Report: January 13, 2015
Date Received : December 17, 2014

For: DANFOSS - SCROLL TECHNOLOGIES
ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-8813
Job: INDUSTRIAL WASTEWATER ANALYSIS / P.O.#8585034
Sample From: EFFLUENT COMP 12/16-17/14 1000-1001

ANALYTE		RESULT	UNITS	METHOD
Dinitro-o-cresol,4,6-	<	10.000	ug/Liter	625mod
Dinitrophenol, 2,4-	<	50.000	ug/Liter	625mod
Dinitrotoluene, 2,4-	<	10.000	ug/Liter	625mod
Dinitrotoluene, 2,6-	<	10.000	ug/Liter	625mod
Di-n-octyl phthalate	<	10.000	ug/Liter	625mod
Diphenylhydrazine, 1,2-	<	20.000	ug/Liter	625mod
Fluoranthene	<	10.000	ug/Liter	625mod
Fluorene	<	10.000	ug/Liter	625mod
Hexachlorobenzene	<	5.000	ug/Liter	625mod
Hexachlorobutadiene	<	10.000	ug/Liter	625mod
Hexachlorocyclopentadiene	<	10.000	ug/Liter	625mod
Hexachloroethane	<	20.000	ug/Liter	625mod
Indeno (1,2,3-Cd) pyrene	<	5.000	ug/Liter	625mod
Isophorone	<	10.000	ug/Liter	625mod
Naphthalene	<	10.000	ug/Liter	625mod
Nitrobenzene	<	10.000	ug/Liter	625mod
Nitrophenol, 2-	<	20.000	ug/Liter	625mod
Nitrophenol, 4-	<	50.000	ug/Liter	625mod
N-Nitrosodimethylamine	<	50.000	ug/Liter	625mod
N-nitrosodi-n-propylamine	<	20.000	ug/Liter	625mod
N-Nitrosodiphenylamine	<	20.000	ug/Liter	625mod
p-Chloro-m-cresol	<	10.000	ug/Liter	625mod
Pentachlorophenol	<	5.000	ug/Liter	625mod
Phenanthrene	<	10.000	ug/Liter	625mod
Phenol	<	10.000	ug/Liter	625mod
Pyrene	<	10.000	ug/Liter	625mod
Trichlorobenzene, 1, 2, 4-	<	10.000	ug/Liter	625mod
Trichlorophenol, 2, 4, 6-	<	10.000	ug/Liter	625mod
Aldrin	<	0.010	ug/Liter	608
BHC, Alpha	<	0.050	ug/Liter	608
BHC, Beta	<	0.050	ug/Liter	608
BHC, Delta	<	0.050	ug/Liter	608

Laboratory Number: 17733.0001

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LABORATORY ANALYSIS

Date of Report: January 13, 2015
Date Received : December 17, 2014

For: DANFOSS - SCROLL TECHNOLOGIES
ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-8813
Job: INDUSTRIAL WASTEWATER ANALYSIS / P.O.#8585034
Sample From: EFFLUENT COMP 12/16-17/14 1000-1001

ANALYTE		RESULT	UNITS	METHOD
BHC, Gamma (Lindane)	<	0.050	ug/Liter	608
Chlordane	<	0.200	ug/Liter	608
4, 4'-DDD	<	0.100	ug/Liter	608
4, 4'-DDE	<	0.100	ug/Liter	608
4, 4'-DDT	<	0.020	ug/Liter	608
Dieldrin	<	0.020	ug/Liter	608
Endosulfan, Alpha-	<	0.020	ug/Liter	608
Endosulfan, Beta-	<	0.020	ug/Liter	608
Endosulfan sulfate	<	0.100	ug/Liter	608
Endrin	<	0.020	ug/Liter	608
Endrin aldehyde	<	0.100	ug/Liter	608
Heptachlor	<	0.010	ug/Liter	608
Heptachlor epoxide (beta)	<	0.010	ug/Liter	608
2, 3, 7, 8- TCDD	<	10.000	ug/Liter	625mod
Toxaphene	<	0.300	ug/Liter	608
PCB-1016	<	0.200	ug/Liter	608
PCB-1221	<	0.200	ug/Liter	608
PCB-1232	<	0.200	ug/Liter	608
PCB-1242	=	0.000	n/a	608
PCB-1248	<	0.200	ug/Liter	608
PCB-1254	=	0.000	n/a	8270Da
PCB-1260	<	0.200	ug/Liter	608
TTO, Total Toxic Organics	<	0.020	mg/Liter	Calc.
Extraction, Base-Neutrals, Acids	=	1.000	ea	3510
Extraction, Pesticides, PCB's	=	1.000	ea	3510
pH <-H+>		7.380	units	4500 B

Laboratory Number: 17733.0001

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Date of Report: January 13, 2015
Date Received : December 17, 2014

For:DANFOSS - SCROLL TECHNOLOGIES
ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-8813
Job:INDUSTRIAL WASTEWATER ANALYSIS / P.O.#8585034
Sample From: EFFLUENT COMP 12/16-17/14 1000-1001

ANALYTE	RESULT	UNITS	METHOD

STANDARD METHODS, 20TH ED.; EPA METHODS, 3RD ED.
Collected by:
CLIENT on 12/17/14 at 10:00
Analysis by :
SEE ATTACHED QUALITY ASSURANCE PAGE.
Sample preservation and Laboratory Analysis conducted according to EPA 40 CFR Part 136. Test/Analyst/Time/Coeff./Var./ QA plan filed with ADPC&E. Includes 10 % replication and 10 % recovery studies by random selection. Instruments maintained and calibrated and records kept.
See Attached.

Copies to:
MR. CHUCK JONES
ENV. HEALTH & SAFETY MGR

ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-

Laboratory Number: 17733.0001 TKR Reviewed By: K. E. Sorrells, M.S. [ ]

SORRELLS RESEARCH
LABORATORY AND FIELD SERVICES

CHEMISTS
ECOLOGISTS
CONSULTANTS
PLANNERS

8100 National Drive
Little Rock, Arkansas 72209

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QUALITY ASSURANCE

December 17, 2014
The following QA represents SRA's Quality Assurance values for this report.

ANALYTE	ANALYST	BEG. DATE	BEG. TIME	FIN. DATE	FIN. TIME	S.D. %	SPK. REC.	#IN BAT
Arkansas Analytical Inc.	QA OF	/ /	0	/ /	0	0.00	0.0	0
pH <-H+>	EAS	12/17/14	1350	12/17/14	1350	0.00	0.0	1

Field PH/TEMP/D.O. Sampler or Courier/ at time of sampling or pick up Sample preservation and laboratory analysis conducted according to EPA 40 CFR Part 136 TEST/ANALYST/TIME/COEF. VAR.* QA PLAN filed with ADPC&E. Include replication.

KES = K. E. Sorrells
JBS = James B. Sorrells
CAS = Cecil A. Sorrells
MKM = Mark Kyle McKenzie
KESII = K. E. Sorrells, II
TJS = Todd J. Sanders
JHD = J. Henry Dodson

Laboratory Number: 17733.0001 TKR

SORRELLS RESEARCH ASSOCIATES, INC
8100 NATIONAL DRIVE, LITTLE ROCK, AR 72209
501-562-8139 800-331-8139
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CHAIN OF CUSTODY RECORD

TURN AROUND TIME
RUSH 24HR. 48 HR.
5 DAY REG
OTHER_____

FOR LAB/OFFICE USE ONLY
LAB # 17733.0001
CLIENT # 41017
P.O.#_____

STANDARD METHODS PRESERVATION PER EPA 40 CFR
C4= COOL TO 4.C
S<2= SULFURIC ACID TO pH<2
N<2= NITRIC ACID TO pH<2
T= THIOSULFATE FOR DECHLORINATION
W= WINKLER AZIDE MODIFICATION
P= MEMBRANE ELECTRODE
NaOH= pH >12

NAME OF COMPANY, CITY, OR PROJECT: Dan Foss Industrial wastewater
PROJECT NO:
SAMPLER(S) NAME: (PRINT) + Greg Newton

SAMPLE NO:	SAMPLE ID AND/ OR COLLECTION LOCATION	START DATE/TIME	END DATE/TIME	COMP GRAB	FIELD ANALYSIS pH	TEMP	FLOW	CL2	D,O (W) D.O(P)	CONTAINER TYPE PRESERVATIVE	ANALYSIS REQUIRED
	Effluent Grab	12.16.14	12.17.14	GC						¼ plastic C<4	BOD, TSS
	"	1000 Am	1001 Am	G						1000 ml glass s<2	Oil & grease
	"	"	"	G						1000 ml glass s<2	Phenols
	"	"	"	G						~~50 ml vial P HNO3~~	~~As,Cd,Cr,Cu,Pb,Mn,Ni,Ag,Zn~~
	"	"	"	G						500 P NaOH	CN-
		"	"	G						1L ATC C4, 3(40ml)	TTO
					7.38					onsite	pH, temp,

METHOD OF SHIPMENT (CIRCLE)
FED EX WALK IN (SRA) UPS OTHER

TYPE OF SAMPLE(S): (CIRCLE)
WATER SOIL (W/W) SLUDGE OTHER

FIELD CALIBRATION RECORD

pH 7	7.00	7.00
pH 4	4.01	4.02
pH 10	10.00	
D.O		

NOTES/COMMENTS/OBSERVATIONS
All containers at C4

FIELD ANALYSIS CONDUCTED BY: (CIRCLE) SRA CLIENT

RELINQUISHED BY: + Greg Newton DATE/TIME:
RECEIVED BY: DATE/TIME: 12.17.14 1350
RELINQUISHED BY: DATE/TIME:
RECEIVED BY(LAB): DATE/TIME: 12.17.14 1500