
SEPARATOR


10-00102

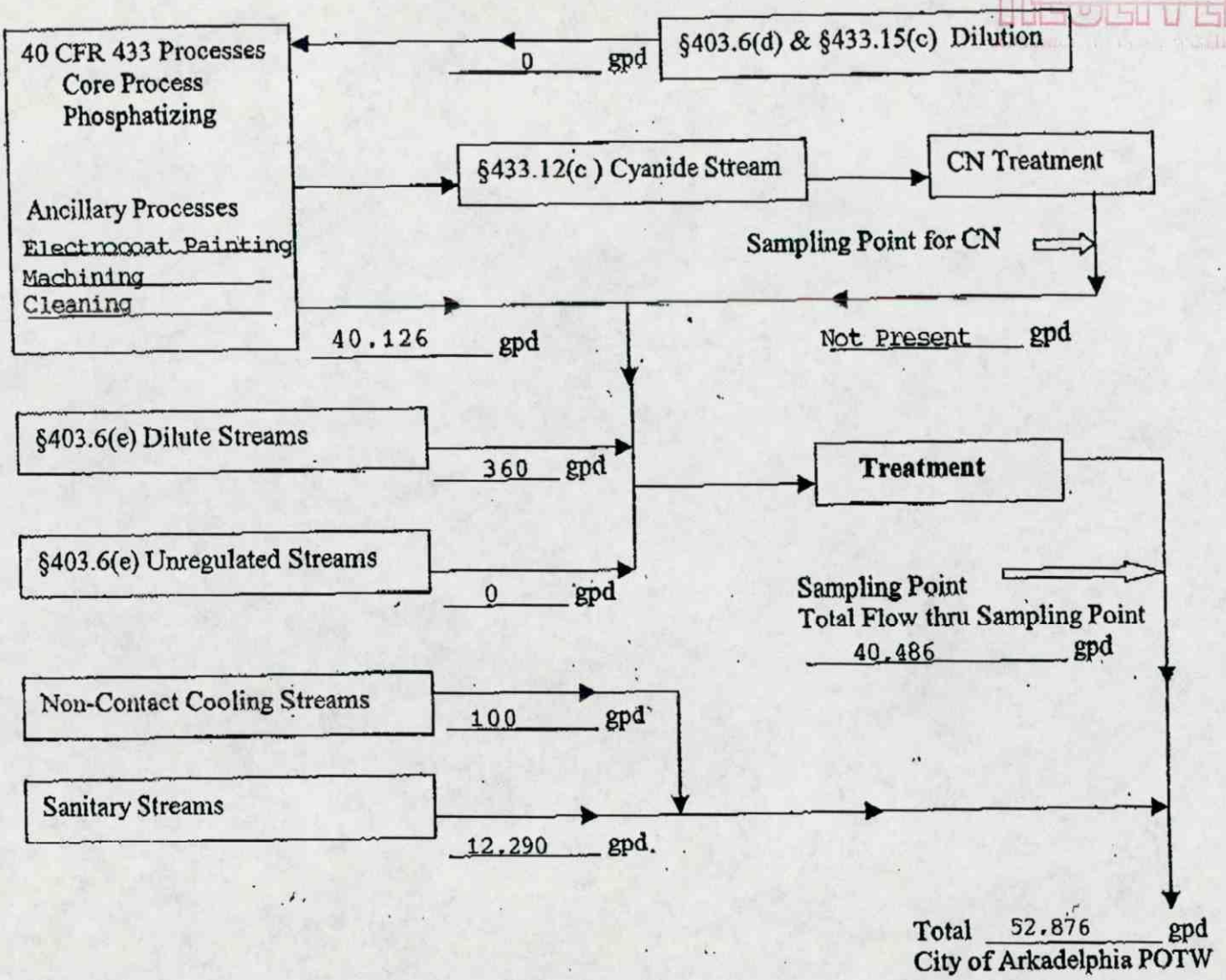

WATER NPDES


PRETREATMENT


09/24/2002


ARP001040

Scroll Technologies **Arkadelphia, Arkansas**



If a stream is not present, show NOT PRESENT or N/P. If a stream is present, the wastewater can enter the POTW but currently has no flow, show 0.0 gpd. If a stream is present but the wastewater cannot enter the POTW, show Zero Discharge or Z/D. If an unregulated stream is present but the User has decided not to declare it at this time, show N/P.

William B. Stanton, P.E.
Signature of §403.12(b) Professional

September 24. 2002
Date

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

Plant Manager or the authorized §403.12(l) official

9/24/02
Date

SCT_Diagram.doc (03-14-2002)

Submitted with Sep 2002 SAR

INDUSTRIAL BASELINE MONITORING REPORT

Instructions: Please complete this form in as much detail as possible. Include additional information on attached sheets as necessary. Refer to the supplemental instructions and return this report to the address shown in the instructions.

(1) Identifying Information: Scroll Tech

A. Legal Name: United Technologies Carrier
Mailing Address: One Scroll Drive
Clark County Industrial Park
Arkadelphia, Arkansas Zip: 71923

B. Facility Name: Same as Above
Location: Same as Above

Zip:

C. Name of Owners: United Technologies Carrier

D. Name of Operators: Carrier Corporation

E. Facility Contact (provide the name, title & phone number of a designated person to contact if additional information is necessary.) Jim Rumburg, Plant Engineer
Tel. (501) 246-0783

F. Number of Employees 400 G. Number of Shifts 4

H. Number of Months/Year in Operation 12 months/year

I. Provide the name of the publicly owned treatment works (sewerage authority, municipality, etc.) that receives the wastewater discharges from this facility (if this facility is not connected to a sewerage system describe where wastewater is discharged.) Arkadelphia Water and Sewer Utility, 601 Caddo Street, Arkadelphia, Arkansas 71923

J. Provide the date the facility began/will begin discharging to the publicly owned treatment works (sewerage authority, municipality, etc.) June 25, 1992
Date facility began operation April 4, 1993

(2) Permits:
Describe all environmental control permits held by or for the facility

Describe Title of the Permit	Permit No.	Issuing Office	Exp. Date
Air Pollution Control Permit	1223-A	ADPC&E	-
General Storm Water Permit	ARR00A000	ADPC&E	9/30/97
Hazardous Waste Generator ID	ARD980868491	ADPC&E	-

ARP001040

(3) Description of Operations:

A. List Raw Materials Used: Previously Submitted

B. List Chemicals Used: MSDS Previously Submitted, See Additional Information

C. Describe Manufacturing or Service Activities Conducted and the Final Products: The facility manufactures air conditioning compressors for use in residential and commercial HVAC systems

D. Summarize each Regulated Process: The regulated core process is coating (phosphating); the regulated unit processes are cleaning, grinding, machining and painting. All regulated process are described in the attached additional information.

Process Description	Production Rate	Pretreatment Standard Category	Subpart	SIC Code
1. Painting	-	433.17	A	3585
2. Phosphating	-	433.17	A	3585
3. Cleaning	-	433.17	A	3585
4. Grinding	-	433.17	A	3585
5. Machining	-	433.17	A	3585
6. Machining	-	433.17	A	3585

E. Provide on a separate sheet:

1) a schematic drawing of flow chart of each regulated process that generates wastewater. ATTACHED

2) a schematic drawing showing all wastewater flows (regulated and unregulated), location of any treatment system, and sampling locations and estimated flows for each individual wastestream. ATTACHED

3) a schemeatic process diagram which indicates points of discharge to the POTW from regulated processes. ATTACHED

(4). Flow Measurement:

A. Total Plant Flow in Gallons Per Day (gpd):

Average 33,403 Maximum 36,427

B. Individual Process Flows in Gallons Per Day (gpd) SEE ADDITIONAL INFORMATION

Regulated Process	Average Flow Rate (gpd)	Maximum Flow Rate (gpd)	Type of Discharge (Batch, etc)
1. Painting	26,057	28,800	Continuous
2. Phosphating	3,909	4,320	Continuous
3. Cleaning	3,909	4,320	Continuous
4. Grinding	825	900	Batch
5. Machining	433	6,500	Batch
6. Machining	30	300	Batch

Unregulated Process	Average FLow Rate (gpd)	Maximum Flow Rate (gpd)	Type of Discharge (Batch, etc.)
SEE ADDITIONAL INFORMATION			
Cooling Water	50	100	Continuous
Sanitary Wastewater	9,000	14,000	Continuous

(5) Measurement of Pollutants

A. Provide on a Separate Sheet:

1) The user shall identify the Pretreatment Standards applicable to each regulated process. ATTACHED

2) A description of any and all wastewater treatment utilized (show treatment system location in relation to process flows and sampling points on schematic drawing required by Question 3.E.).

ATTACHED

B. Analysis of Regulated Flows:
The industrial user must perform sampling and analysis of the effluent from all regulated processes (after treatment, if applicable). Provide the analytical data for the regulated processes in the space provided below. Attach additional sheets if necessary. **(Only those pollutants specifically regulated by the applicable category need be reported.)**

Regulated Process: Phosphating - (Alkaline/Phosphate Washer)

Pollutant (mg/l)											
Maximum											
Average											

Sample Location: _____

Sample Type (composite samples are required except where not feasible or where grab samples are specifically required (see 40 CFR 403.12(b)(5)(iii)): _____

Number of Samples and Frequency Collected: _____

Analytical Methods Used: _____

C. Analysis of Total Plant Flow (if appropriate) SEE ATTACHED CALCS.
An industrial user may sample and analyze the total plant flow and calculate an equivalent concentration limit using the combined wastestream formula if regulated process flows are mixed with other flows prior to treatment and/or sampling. Record the analytical results for all regulated pollutants below. Record the calculated concentration limits as well as the actual measured concentrations.

Pollutant (mg/l)	Cd	Cr	Cu	Pb	Ni	Ag	Zn	Cn	TTO		
MEC*	.109	2.73	3.33	.68	3.92	.42	2.57	1.18	2.10		
AEC*	.069	1.69	2.04	.42	2.35	.24	1.46	.64	-		
AMMC*	.004	.045	2.61	.06	1.40	.002	.923	.02	.30		
AAAC*	.002	.016	.513	.02	.566	.001	.355	.006	.131		

Sample Location: Final discharge from pretreatment system to sewer
Sample Type (composite samples are required except where not feasible or where grab samples are specifically required (see 40 CFR 403.12(b)(5)(iii)): Metals - composite, O&G, pH - grab
Number of Samples and Frequency Collected: 6 over six month period
Analytical Methods Used: See attached laboratory analyses

*MEC - Maximum Equivalent Concentration (derived through the combined wastestream formula)
*AEC - Average Equivalent Concentration (derived through the combined wastestream formula)
*AMMC - Actual Measured Maximum Concentration
*AAAC - Actual Measured Average Concentration

(6) Certification:

A. Is the facility meeting applicable categorical pretreatment standards on a consistent basis ? YES X NO _____

B. If no, do you require:

1) additional operation and maintenance (o&M) to achieve compliance? YES _____ NO _____

2) new or additional pretreatment facilities to achieve compliance? YES _____ NO _____

3) Name of Qualified Professional that reviewed this certification:

Name & Title William B. Denton, P.E. President

Industrial Engineering Associates, Inc.

Signature William B. Denton Date April 26, 1993

ALABAMA
REGISTERED
PROFESSIONAL
ENGINEER
No. 5035
WILLIAM B. DENTON

(7) Compliance Schedule:

A. If additional O&M or new or additional pretreatment will be required to meet categorical pretreatment standards on a consistent basis, attach a schedule on a separate sheet projecting increments of progress indicating dates for the commencement and completion of major events leading to compliance with the standard. Note: the final compliance date in this schedule shall not be later than the compliance date for the applicable pretreatment standard. Written progress reports are required within 14 days of each of the compliance dates specified in the compliance schedule.

B. Signatory Requirement

I certify under penalty of law that I have personally examined and am familiar with the information in this Baseline Monitoring 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.

Name - Authorized Representative	Signature
Geary Pope	Geary Pope
Official Title	Date
Plant Manager	4/27/93

Torrence, Rufus

From: Torrence, Rufus

Sent: Thursday, May 10, 2007 10:33 AM

To: 'Beer, Ian'; Sam Ngar (sngar@leerlp.com)

Cc: Bailey, John; 'aswanson@uscompliance.com'

Subject: ARP000012 AFIN 21-00061 Leer Star/Starrett Compliance Assurance Sampling Site Visit in Dumas, AR0033987

Tracking:

Recipient	Delivery
'Beer, Ian'	
Sam Ngar (sngar@leerlp.com)	
Bailey, John	Delivered: 5/10/2007 10:33 AM
'aswanson@uscompliance.com'	

Attn: Ian Beer, Plant Manager

Thank you for taking the time to show me the Leer Star/Starrett Dumas facility on May 9, 2007.

Based upon my site visit I have attached the following process description and sampling requirements. Please advise me of any changes that may be necessary.

The Dumas facility manufactures commercial ice storage freezer units. The facility receives steel sheets which have been pre-cut to the approximate final size (about 4' X 6' X 1/16") Star/Starrett assembly crew cuts the sheets to the final desired size using sheers; automated machine tools punched the sheets. The crew uses presses to fold the sheets. The crew sends the sheets through cleaning (alkaline bath & rinse) and coating (iron phosphate bath & rinse) operations before the crew powder paints the sheets.

The crew assembles the interior sheet metal shell and attaches copper cooling coils or compact refrigeration units depending on the customer requirements; the refrigeration units are manufactured off-site. The crew encloses the interior shell with the painted exterior shell, add doors, insulation and logos. The crew tests the final units for UL compliance.

During the pre-inspection meeting Mr. Beer handed me a TOMP (Toxic Organic Management Plan); I did not get a chance to review the TOMP until I returned to my office. The TOMP does not have a signature; Mr. Leer must mail me a TOMP with his signature and date.

During the plant tour I took a sample of wastewater from the clarifier tank in the pretreatment system; only rinse water was entering the treatment system at this time. The results of this analysis should be available within a month.

Leer has a rinse tank with continuous overflow. The phosphate and sealer tanks have batch discharges at four to six month intervals. Based upon current operations the sample must be taken when Leer is releasing wastewater from BOTH the sealer and phosphate tanks at concentrations representative of what would be seen at the POTW.

Star/Starrett next pretreatment report and the "signed" TOMP are due in August 2007.

If you have any questions or concerns, give me a call or email me.

Rufus J. Torrence, NPDES Pretreatment Engineer

5/14/2007

Pretreatment Industrial Inspection
Facility Information

Facility Name: AFIN 10-00102 Scroll Technologies	Site Address: One Scroll Drive Arkadelphia, AR 71923
Signatory Authority (Name & Title): Carlos Zamudio, Gen Mgr	
Phone: (870) 246-0700	Mailing Address (if different): (same)
Fax:	
Address: (same)	Corporate Owner Name and address (if applicable): Joint Venture of Carlyle & Bristol / Carrier & York
Phone:	
Fax:	Phone: —
Contact Person (Name & Title): Robby Tefteller, Tech Ser Mgr	Fax: —
e-mail: robby.tefteller@scrolltech.com	Corporate CEO: N/A
Facility Permit # X or ARP00 1040	e-mail:
	Last Inspection Date: 6-8-05
POTW (City) IU discharges to: Arkadelphia Water Util	POTW's NPDES #AR00 20605
Industrial Classification: ☒ Categorical	☐ Significant
If Categorical, list which CFR #(s) the facility is subject to: 40 CFR 433	

Table of Contents

Comments :

Inspector's Name (Print): Rufus Torrence	Signature:
IU Rep's Name (Print) Robby Tefteller	Signature:
Date and Time Inspection Ended: 5-3-06 @	11:30 am

I. Summary of Inspection

A. Inspection and Objective (Complete Before Inspection)

☐ Permit Renewal	☒ Annual – Bi	☐ Spill/Slug	☐ Unscheduled
☐ New Construction	☐ Noncompliance	☐ Follow-up	☐ Complaint

Inspection Objective(s)

Compliance Assurance

Checklist of items to be reviewed and/or visually inspected:

☐ Pre-inspection Meeting	☐ Permit Conditions	☐ Safety Concerns
☐ Process Inspection	☐ Pretreatment Process	☐ TOMP
☐ Chemical Storage	☐ Discharge point(s)	☐ Spills/Slug Control Plan
☐ Records Review	☐ RCRA information	☐ Process/Flow/Pretreatment Schematics
☐ IU sampling procedures	☐ Flow/pH Meter(s)	☐ Calibration Records
☐ MSDS Inventory List	☐ New MSDS	☐

Comments:

B. Inspection Analysis

Were there any deficiencies/violations identified and noted during the inspection? ☐ Yes ☒ No

Provide a brief narrative of deficiencies/violations or other concerns in the following areas:

Records Review

Process Area(s)

Pretreatment System

Self Monitoring Procedures

Diversion/Sewer Meters

Spill/Slug Control Plan

Sampling Point

Chemical Storage

II. Pre-Inspection Meeting

A. General Information

Date and Time Inspection Started: 5-3-06 @ 10:00 am | SIC code(s): 3585

IU Reps/Titles: Robby Teftellar

Control Authority Reps/Titles: Rufus Torrence, Pret Eng

End product(s): Scroll Compressors | Approx. # of units produced: 2300/day

Days of Operation: 7 days / week | Days of Production (if different): 5 days/ week

Hours of Operation: 24 hrs / day | Hours of Production (if different): Same

Shift 1, hrs.: to | Shift 2, hrs.: to | Shift 3, hrs.: to

# of Employees: 786 | Peak Mos.: Mar to Sep | "Off" Mos.: Winter

Are there any scheduled plant shutdowns? Yes ☒ No ☐ N/A ☐ If yes, when? Labor Day

Are there designated plant clean-up days? Yes ☐ No ☒ N/A ☐ If yes, when?

Is the facility currently in compliance with all pretreatment reporting requirements and limits? Yes ☒ No ☐

If No, explain:

Are there any Special Entry Procedures for the Discharge/Sample point locations? Yes ☐ No ☒

If Yes, explain:

Are there any Safety Concerns or Identified Hazards that the inspector should be aware of: ☐ Yes. ☒ No

If Yes, explain:

Has there been any changes since the last inspection regarding the following items:

Plant/flow/process layout? Yes ☐ No ☒ If yes, obtain copy of updated schematic for facility file.

Processes? Yes ☐ No ☒ If yes, explain:

Production Levels? Yes ☐ No ☒ If yes, explain:

Raw materials? Yes ☐ No ☒ If yes, explain:

Flow rates? Yes ☐ No ☒ If yes, explain

Are regulated and non-regulated wastestreams combined?	yes ☒	no ☐	
Prior to Pretreatment System?	yes ☒	no ☐	N/A ☐
If Yes, was the CWF used to calculate limits?	yes ☒	no ☐	
Prior to connection to the POTW sanitary sewer?	yes ☐	no ☐	N/A ☒
At connection to sanitary sewer?	yes ☐	no ☒	N/A ☐
Production and flows verified for Production-Based Standards?	yes ☐	no ☐	N/A ☒

What is the current avg. production rate and process flow? N/A

Is the prod. rate or flow substantially different (+/- 20%) from those used in calculating limits? yes ☐ no ☐ N/A

B. Facility Permits		
Permit Type	Permit No.	Expiration Date
Air	1223-A	Voided
RCRA	—	
NPDES	ARR00B641	Active
Other	ARR00A240	Voided

C. Additional Comments

(Note which section or attachment comments are regarding)

* Water Sample taken from pH adjustment Tank; split sample w/ Scroll.

* 10% Nitric Acid (Passivation) used with Manganese Phosphate Coating to provide preliminary lubrication

* Phosphoric Acid Cleaning/Coating on paint line

Attachment A: Industrial Process(es)

List process(es) generating wastewater. Note if it's categorical (federally regulated w/pretreatment limits) or not

1.	Yes ☐ No ☐	4.	Yes ☐ No ☐
2.	Yes ☐ No ☐	5.	Yes ☐ No ☐
3.	Yes ☐ No ☐	6.	Yes ☐ No ☐

Were processes visually inspected? Yes ☒ No ☐ N/A ☐

Brief description of process(es):

General observations of facility's indoor housekeeping: Good

General observations of area outside facility's building: Excellent

Check all sources of wastewater being discharged into the City's collection system. Indicate avg. gal/day, measured (M) or estimated (E). If batch (B) discharged, list frequency and volume (1000 gal/month, e.g.).

☐ Process Rinse Overflows	☐ Equip. Cleanup	☐ Floor Cleanup	☐ Spent Bath Solutions
☐ Product Cleaning	☐ Forklifts Maint./Wash	☐ Tank Dragout	☐ Air Pollution Devices
☐ Boiler Blowdown	☐ Spent Rinse Tanks	☐ Equipment Coolants	☐ Non-Contact Cooling Water
☐ Stormwater	☐	☐	☐

List Major Raw Materials and Chemicals used:

Phosphate

Alkaline

Check Waste Stream Pollutants of Concern from Process(es)

☐ BOD	☒ CN^-	☒ Metals (List) Cd, Cr, Cu, Pb, Ni, Ag & Zn	☐ Solvents (List)
☐ TSS	☐ Cl_2		
☐ O&G	☐ S^-		
☐ pH	☐		

Are there floor drains in the Process area? ☐ Yes ☒ No If yes list number and the location of all floor drains:

Attachment B: Pollution Prevention (P2) / Recycling Activities

Does the facility have a written P2 Plan? Yes ☐ No ☐

Does this facility practice P2? Yes ☐ No ☐

Environmental Management System in place? Yes ☐ No ☐

ISO Certified? Yes ☐ No ☐

Written Standard Operating Procedures? Yes ☐ No ☐

Explain:

Preventative Maintenance Program Yes ☐ No ☐ (hydraulic systems, valves, pumps, etc)

Explain:

Water Reuse: Yes ☐ No ☐

Explain:

Cost Accounting to Track Savings: Yes ☐ No ☐

Explain:

Inventory Control / "Green Purchasing": Yes ☐ No ☐ (lean manufacturing/"env. friendly purchasing", etc)

Explain:

Employee Training: Yes ☐ No ☐

Explain:

Spent Solvent Reclamation? Yes ☐ No ☐

Explain:

Recycle Paper, Aluminum, Boxes, and Pallets? Yes ☐ No ☐

Explain:

Recycle Waste Oil, Solvents, and Lubricants? Yes ☐ No ☐

Explain:

Other Activities

P2 Equipment/Practices in use:

☐ Overflow Alarms	☐ Aqueous Cleaning Solutions
☐ Fog Spray Rinsing	☐ Countercurrent Rinsing
☐ Dragout Collection Trays	☐ Seal-Less Pumps
☐ Air Jets to Blow Parts Dry	☐ Secondary Containment of Process Solutions
☐ Aqueous Paint Stripping Solutions	☐ Bead Blasting to Remove Paint
☐ Water Soluble Cutting Fluids	☐ Recycle Overspray
☑ In-Process Recycle (Ion Exchange, Reverse Osmosis)	☐ Conductivity Meters
☐ Dead Rinse Tanks	☐ Bath / Rinse Filtration

Attachment C: Pretreatment System

Are wastestreams segregated before pretreatment?	☐ Yes	☒ No	☐ N/A
Are they pretreated prior to discharge to the sanitary sewer?	☒ Yes	☐ No	☐ N/A
Was the pretreatment system visually inspected during this visit?	☒ Yes	☐ No	☐ N/A

Check which of the following are utilized for pretreatment prior to discharge to sanitary sewer:

☐ Dissolved air floatation	☐ Membrane Tech.	☐ Ion Exchange	☐ Biological Treatment
☐ Centrifugation	☐ Flow Equalization	☐ Ozonation	☐ Chlorinating
☒ Chemical Precipitation	☐ Oil/Water Separation	☐ Reverse Osmosis	☐ Grit Removal
☐ Sludge Filter Press	☐ Grease Trap	☐ Screen	☐ Solvent Separation
☐ pH Adjustment	☐ Sand Trap	☐ Sedimentation	☐ Silver Recovery
☐ Belt/Disk Oil Skimmer	☐	☐	☐

Provide Brief Description of Pretreatment System (leaks, cleanliness, equipment not in working order):

Does the description match the schematic currently on file? ☐ Yes ☐ No ☐ N/A

System Operator(s) Name: Joe May, James Diemer & Douglas Cue are operators

Does discharge permit require licensed operator? ☐ Yes ☐ No ☒ N/A

Is the System Operator(s) licensed by the State of Arkansas (per Reg. # 3?) ☒ Yes ☐ No ☐ N/A

List Name(s) and License classification:

(See above)

Is training provided to the Pretreatment System Operator(s)? ☒ Yes ☐ No ☐ N/A

If Yes, list type and frequency:

Is the discharge from the Pretreatment System? ☐ Batch ☒ Continuous ☐ Combination

If any discharges are batch type or combination, describe the following:

Volume of each batch: gallons per

Describe process from which batch originated (spent bath, e.g.):

Approximate duration of batch discharge:

Meter Type	Calibration Procedure and Frequency	Comments (Totalizer Reading)

Attachment D: Chemical Storage Area(s)

Does the facility have a designated chemical storage area(s)? ☒ Yes ☐ No

Was this area(s) visually inspected? ☒ Yes ☐ No ☐ N/A

Describe Chemical Storage Area(s)	Are there floor drains in this area?	If yes, where does this drain lead to?
1. Oil & Sul Acid	☐ Yes ☐ No	☐ Pretreatment ☐ Sanitary Sewer ☐ Storm Sewer
2. Alk & Phos Acid Wash	☐ Yes ☐ No	☐ Pretreatment ☐ Sanitary Sewer ☐ Storm Sewer
3.	☐ Yes ☐ No	☐ Pretreatment ☐ Sanitary Sewer ☐ Storm Sewer
4.	☐ Yes ☐ No	☐ Pretreatment ☐ Sanitary Sewer ☐ Storm Sewer

Does the Chemical Storage Area(s) contain any of the following?

☒ Dikes, Berms for Containment (1)	☐ Plugs for Floor Drains
☐ Secondary Tanks for Holding	☐ Premix (low) Concentrations
☐ Alarms	☐ Chain restraints, limited access
☐ Spills Control Kits for Cleanup	☐ Notification Procedures
☐ Chemical desegregation within Storage Area	☐ Other

Chemical Inventory List (MSDS) on file? ☒ Yes ☐ No ☐ N/A

Were any new MSDS reviewed during the Inspection? ☐ Yes ☐ No ☐ N/A

If yes, list below:

Chemical storage comments:

(1) Poly IBC Spill Containment Units

Chemical handling procedures (totes, dolly, buckets, hardline, etc):

Attachment E: Spill/Slug Control Plan	
Does the facility have a Spill/Slug control plan?	☐ yes ① ☒ no
If yes are the following: 403.8(f)(2)(v)(A-D) requirements in place?	
Is the spill/slug control plan <2 years old?	☐ yes ☐ no ☐ N/A
(A) Describes discharge practices including non routine batch (slug) discharges	☐ yes ☐ no ☐ N/A
(B) Describes storage and handling of chemicals	☐ yes ☐ no ☐ N/A
(C) Procedures for immediate notification to POTW of slug discharges	☐ yes ☐ no ☐ N/A
(D) 1. Describes measures for controlling toxic/hazardous pollutants	☐ yes ☐ no ☐ N/A
2. Describes procedures and equipment for emergency response	☐ yes ☐ no ☐ N/A
3. Describes follow-up to limit damage suffered by POTW or environment	☐ yes ☐ no ☐ N/A
4. Does the facility have Spill/Slug Notification Procedures posted?	☐ yes ☐ no ☐ N/A
5. Are worker personnel provided training in the event of a spill or slug discharge?	☐ yes ☐ no ☐ N/A
If no:	
Does the facility have Spill/Slug Notification Procedures posted?	☐ yes ☐ no
Is it posted in areas where chemicals are used and stored?	☐ yes ☐ no
If Yes how many?	
Are appropriate personnel provided training in the event of a spill or slug discharge?	☐ yes ☐ no
Have there been any non-routine, episodic discharges or chemical spills in the past year?	☐ yes ☐ no
(Briefly Describe, Include Dates)	
Was the City notified of these occurrences? ☐ yes ☐ no ☐ N/A	

Visual Inspection of Discharge Lines/Points
Provide description of manhole condition and flow channel of the following where applicable:
Sampling / Monitoring Point
Vat at end of treatment system
Total Flow Monitoring Point
Line from vat w/ totalizer
Upstream Manhole
Point of Connection:

① Facility has no open floor drains so a SPCC for the POTW is not required.

Attachment F: Self-Monitoring & if CFR 433, TTO/TOMP Requirements

Have Operator (or person collecting the sample) to describe how composite and grab samples are collected and preserved. Record descriptions. Include name of individual and title.

Operators take 24-hr Composite sample from vat at end of pretreatment system

Where is the sample point located?

☐ End of Process	☒ Pretreatment Effluent	☐ Total Flow
☐ Combined Flow	☐ Metered Flow	☐ Flow Actuator
☐ Private Manhole	☐ Utility Manhole	☐ Advance Notice Required
☐ Safety Hazards Identified	☐	☐

Is the Sample Collection Site Adequate?	☑ Yes ☐ No ☐ N/A
Does the facility rep. request a split sample on this sampling/inspection?	☐ Yes ☐ No
Does the facility perform self-monitoring tests in-house?	☐ Yes ☒ No ☐ N/A
If no, record the name and address of Contract Lab: Sorrells	
Automatic Sampler ☐ or Manual ☐	
IU Self-Monitoring Results reviewed:	☐ Yes ☐ No ☐ N/A
Is the Contract Lab certified by ADEQ for test parameters?	☒ Yes ☐ No ☐ N/A
Dates and Times of Sample Analysis Recorded?	☐ Yes ☐ No ☐ N/A
Correct Methods Used for Test Analysis (Refer To 40CFR Part 136)	☐ Yes ☐ No ☐ N/A
EPA recommended holding times being met (Refer to 40CFR Part 136)	☐ Yes ☐ No ☐ N/A
Chain of Custody Records for Self-Monitoring Samples Reviewed	☐ Yes ☐ No ☐ N/A
Were correct Sample Types Collected	☐ Yes ☐ No ☐ N/A
Dates and times of Sample Collection Recorded?	☐ Yes ☐ No ☐ N/A
Were Samples preserved correctly (refer to 40CFR Part 136)	☐ Yes ☐ No ☐ N/A
Were Self Monitoring records on file for past 3 years?	☐ Yes ☐ No ☐ N/A

List the parameters the facility monitors and the frequency:

☐ Cd(t)	☐ Cu(t)	☐ Cr(t)	☐ Ni(t)	☐ Pb(t)
☐ Ag(t)	☐ Zn(t)	☐ pH	☐ CN^-(t)	☐ CN^-(a-c)
☐ TTO-Vol	☐ TTO-B/N	☐ TTO-A.E.	☐ TTO-Pest	☐ Cr(hex)
☐	☐	☐	☐	☐

Toxic Organic Management Plan (TOMP) for Metal Finishers under CFR 433

How does the IU report TTO? ☒ Analysis ☐ Certification Statement

Does the facility have a Toxic Organic Management Plan? ☐ Yes ☐ No ☒ N/A

If yes, Does the plan show how toxic organics are used, stored, and disposed? ☐ Yes ☐ No ☐ N/A

List the date of the last revision to the TOMP:

Is the TOMP being followed as written? ☐ Yes ☐ No ☐ N/A (If no, provide explanation in comments.)

If no, is there evidence that a TOMP is needed? ☐ Yes ☐ No ☐ N/A (If yes, provide description of evidence in comments.)

Comments:

Pretreatment Industrial Inspection

Facility Information

Facility Name: Scroll Technologies	Site Address: One Scroll Drive ArKadelphia, AR 71923
Signatory Authority (Name & Title): Carlos Zamudio, Gen Mgr.	
Phone: (870) 246-0700	Mailing Address (if different): (same)
Fax:	
Address: (same)	Corporate Owner Name and address (if applicable): Joint Venture of Carlyle & Bristol / Carrier & York
Phone:	
Fax:	Phone:
Contact Person (Name & Title): Robby Teftteller, Tech Ser Mgr.	Fax:
e-mail: robby.teftteller@scrolltech.com	Corporate CEO: N/A
Facility Permit # or ARP00 1040	e-mail:
	Last Inspection Date: N/A
POTW (City) IU discharges to: ArKadelphia Water Utilities	POTW's NPDES #AR00 20605
Industrial Classification: ☒ Categorical	☐ Significant
If Categorical, list which CFR #(s) the facility is subject to: 40 CFR 433 *	

Table of Contents

Comments :

Inspector's Name (Print): Rufus Torrence	Signature:
IU Rep's Name (Print) Robby Teftteller	Signature:
Date and Time Inspection Ended: 6-8-05 @ 12:30 pm	

* Possible 40 CFR 420 CIU

1. Summary of Inspection

A. Inspection and Objective (Complete Before Inspection)

☐ Permit Renewal	☐ Annual	☐ Spill/Slug	☐ Unscheduled
☐ New Construction	☐ Noncompliance	☐ Follow-up	☐ Complaint

Inspection Objective(s)

Checklist of items to be reviewed and/or visually inspected:

☐ Pre-inspection Meeting	☐ Permit Conditions	☐ Safety Concerns
☐ Process Inspection	☐ Pretreatment Process	☐ TOMP
☐ Chemical Storage	☐ Discharge point(s)	☐ Spills/Slug Control Plan
☐ Records Review	☐ RCRA information	☐ Process/Flow/Pretreatment Schematics
☐ IU sampling procedures	☐ Flow/pH Meter(s)	☐ Calibration Records
☐ MSDS Inventory List	☐ New MSDS	☐

Comments:

B. Inspection Analysis

Were there any deficiencies/violations identified and noted during the inspection? ☐ Yes ☒ No

Provide a brief narrative of deficiencies/violations or other concerns in the following areas:

Records Review

Process Area(s)

Pretreatment System

Self Monitoring Procedures

Diversion/Sewer Meters

Spill/Slug Control Plan

Sampling Point

Chemical Storage

B. Facility Permits		
Permit Type	Permit No.	Expiration Date
Air	None	—
RCRA	"	—
NPDES	"	—
Other		

C. Additional Comments

(Note which section or attachment comments are regarding)

342,000 sqft for entire plant

II. Pre-Inspection Meeting

A. General Information

Date and Time Inspection Started: 6-8-05 @ 10:15	SIC code(s): 3585
IU Reps/Titles	Control Authority Reps/Titles: Rufus Torrence, Pret Eng
End product(s): Scroll Compressors	Approx. # of units produced: 2,300/day
Days of Operation: 7days/week	Days of Production (if different): 5days/week
Hours of Operation: 24 hr/day	Hours of Production (if different): Same
Shift 1, hrs.: to	Shift 2, hrs.: to / Shift 3, hrs.: to
# of Employees: 646	Peak Mos.: March to Sep / "Off" Mos.: Winter

Are there any scheduled plant shutdowns? Yes ☒ No ☐ N/A ☐ If yes, when? Labor Day

Are there designated plant clean-up days? Yes ☐ No ☒ N/A ☐ If yes, when?

Is the facility currently in compliance with all pretreatment reporting requirements and limits? Yes ☒ **No** ☐

If **No**, explain:

Are there any Special Entry Procedures for the Discharge/Sample point locations? Yes ☐ No ☒

If Yes, explain:

Are there any Safety Concerns or Identified Hazards that the inspector should be aware of: ☐ Yes. ☒ No

If Yes, explain:

Has there been any changes since the last inspection regarding the following items:

Plant/flow/process layout? Yes ☐ No ☐ If yes, obtain copy of updated schematic for facility file.

Processes? Yes ☐ No ☐ If yes, explain:

Production Levels? Yes ☐ No ☐ If yes, explain:

Raw materials? Yes ☐ No ☐ If yes, explain:

Flow rates? Yes ☐ No ☐ If yes, explain

Are regulated and non-regulated wastestreams combined?	yes ☒	no ☐	
Prior to Pretreatment System?	yes ☒	no ☐	N/A ☐
If Yes, was the CWF used to calculate limits?	yes ☒	no ☐	
Prior to connection to the POTW sanitary sewer?	yes ☐	no ☐	N/A ☒
At connection to sanitary sewer?	yes ☐	no ☒	N/A ☐
Production and flows verified for Production-Based Standards?	yes ☐	no ☐	N/A ☒

What is the current avg. production rate and process flow?

N/A

Is the prod. rate or flow substantially different (+/- 20%) from those used in calculating limits? yes ☐ no ☐

N/A

Attachment A: Industrial Process(es)

List process(es) generating wastewater. Note if it's categorical (federally regulated w/pretreatment limits) or not

1.	Yes ☐ No ☐	4.	Yes ☐ No ☐
2.	Yes ☐ No ☐	5.	Yes ☐ No ☐
3.	Yes ☐ No ☐	6.	Yes ☐ No ☐

Were processes visually inspected? Yes ☒ No ☐ N/A ☐

Brief description of process(es):

General observations of facility's indoor housekeeping: Modern & Clean

General observations of area outside facility's building: Excellent / New Facility

Check all sources of wastewater being discharged into the City's collection system. Indicate avg. gal/day, measured (M) or estimated (E). If batch (B) discharged, list frequency and volume (1000 gal/month, e.g.).

☐ Process Rinse Overflows	☐ Equip. Cleanup	☐ Floor Cleanup	☐ Spent Bath Solutions
☐ Product Cleaning	☐ Forklifts Maint./Wash	☐ Tank Dragout	☐ Air Pollution Devices
☐ Boiler Blowdown	☐ Spent Rinse Tanks	☐ Equipment Coolants	☐ Non-Contact Cooling Water
☐ Stormwater	☐	☐	☐

List Major Raw Materials and Chemicals used: Phosphate Wash & Alkaline Wash

Check Waste Stream Pollutants of Concern from Process(es)

☐ BOD	☐ CN^-	☐ Metals (List) Ni, Cd, Cu, Cr, Pb, Ag, Zn	☐ Solvents (List)
☐ TSS	☐ Cl_2		
☐ O&G	☐ S^-		
☐ pH	☐		

Are there floor drains in the Process area? ☐ Yes ☒ No If yes list number and the location of all floor drains:

Attachment B: Pollution Prevention (P2) / Recycling Activities

Does the facility have a written P2 Plan? Yes ☐ No ☐

Does this facility practice P2? Yes ☐ No ☐

Environmental Management System in place? Yes ☐ No ☐

ISO Certified? Yes ☐ No ☐

Written Standard Operating Procedures? Yes ☐ No ☐

Explain:

Preventative Maintenance Program Yes ☐ No ☐ (hydraulic systems, valves, pumps, etc)

Explain:

Water Reuse: Yes ☐ No ☐

Explain:

Cost Accounting to Track Savings: Yes ☐ No ☐

Explain:

Inventory Control / "Green Purchasing": Yes ☐ No ☐ (lean manufacturing/"env. friendly purchasing", etc)

Explain:

Employee Training: Yes ☐ No ☐

Explain:

Spent Solvent Reclamation? Yes ☐ No ☐

Explain:

Recycle Paper, Aluminum, Boxes, and Pallets? Yes ☐ No ☐

Explain:

Recycle Waste Oil, Solvents, and Lubricants? Yes ☐ No ☐

Explain:

Other Activities

P2 Equipment/Practices in use:

☐ Overflow Alarms	☐ Aqueous Cleaning Solutions
☐ Fog Spray Rinsing	☐ Countercurrent Rinsing
☐ Dragout Collection Trays	☐ Seal-Less Pumps
☐ Air Jets to Blow Parts Dry	☐ Secondary Containment of Process Solutions
☐ Aqueous Paint Stripping Solutions	☐ Bead Blasting to Remove Paint
☐ Water Soluble Cutting Fluids	☐ Recycle Overspray
☐ In-Process Recycle (Ion Exchange, Reverse Osmosis)	☐ Conductivity Meters
☐ Dead Rinse Tanks	☐ Bath / Rinse Filtration

Attachment C: Pretreatment System

Are wastestreams segregated before pretreatment?	☐ Yes	☒ No	☐ N/A
Are they pretreated prior to discharge to the sanitary sewer?	☒ Yes	☐ No	☐ N/A
Was the pretreatment system visually inspected during this visit?	☒ Yes	☐ No	☐ N/A

Check which of the following are utilized for pretreatment prior to discharge to sanitary sewer:

☐ Dissolved air floatation	☐ Membrane Tech.	☐ Ion Exchange	☐ Biological Treatment
☐ Centrifugation	☐ Flow Equalization	☐ Ozonation	☐ Chlorinating
☒ Chemical Precipitation	☐ Oil/Water Separation	☐ Reverse Osmosis	☐ Grit Removal
☐ Sludge Filter Press	☐ Grease Trap	☐ Screen	☐ Solvent Separation
☐ pH Adjustment	☐ Sand Trap	☐ Sedimentation	☐ Silver Recovery
☐ Belt/Disk Oil Skimmer	☐	☐	☐

Provide Brief Description of Pretreatment System (leaks, cleanliness, equipment not in working order):

System well maintained based on appearance

Does the description match the schematic currently on file? ☐ Yes ☐ No ☐ N/A

System Operator(s) Name: Joe May, James Diemer & Douglas Coe all are "wastewater treatment Operators"

Does discharge permit require licensed operator? ☐ Yes ☐ No ☒ N/A

Is the System Operator(s) licensed by the State of Arkansas (per Reg. # 3?) ☒ Yes ☐ No ☐ N/A

List Name(s) and License classification: (See above)

Is training provided to the Pretreatment System Operator(s)? ☒ Yes ☐ No ☐ N/A

If Yes, list type and frequency:

Is the discharge from the Pretreatment System? ☐ Batch ☒ Continuous ☐ Combination

If any discharges are batch type or combination, describe the following:

Volume of each batch: gallons per

Describe process from which batch originated (spent bath, e.g.):

Approximate duration of batch discharge:

Meter Type	Calibration Procedure and Frequency	Comments (Totalizer Reading)
		63675.1

Attachment D: Chemical Storage Area(s)

Does the facility have a designated chemical storage area(s)? ☒ Yes ☐ No

Was this area(s) visually inspected? ☒ Yes ☐ No ☐ N/A

Describe Chemical Storage Area(s)	Are there floor drains in this area?	If yes, where does this drain lead to?
1. OILS & Sul Acid	☐ Yes ☒ No	☐ Pretreatment ☐ Sanitary Sewer ☐ Storm Sewer
2. Alk & phos Acid wash	☐ Yes ☒ No	☐ Pretreatment ☐ Sanitary Sewer ☐ Storm Sewer
3.	☐ Yes ☐ No	☐ Pretreatment ☐ Sanitary Sewer ☐ Storm Sewer
4.	☐ Yes ☐ No	☐ Pretreatment ☐ Sanitary Sewer ☐ Storm Sewer

Does the Chemical Storage Area(s) contain any of the following?

☒ Dikes, Berms for Containment ①	☐ Plugs for Floor Drains
☐ Secondary Tanks for Holding	☐ Premix (low) Concentrations
☐ Alarms	☐ Chain restraints, limited access
☐ Spills Control Kits for Cleanup	☐ Notification Procedures
☐ Chemical desegregation within Storage Area	☐ Other

Chemical Inventory List (MSDS) on file? ☒ Yes ☐ No ☐ N/A

Were any new MSDS reviewed during the Inspection? ☐ Yes ☐ No ☐ N/A

If yes, list below:

Chemical storage comments:

① Poly IBC Spill Containment Units

Chemical handling procedures (totes, dolly, buckets, hardline, etc):

Attachment E: Spill/Slug Control Plan	
Does the facility have a Spill/Slug control plan? (1)	☒ yes ☐ no
If yes are the following: 403.8(f)(2)(v)(A-D) requirements in place? (2)	
Is the spill/slug control plan <2 years old?	☐ yes ☐ no ☐ N/A
(A) Describes discharge practices including non routine batch (slug) discharges	☐ yes ☐ no ☐ N/A
(B) Describes storage and handling of chemicals	☐ yes ☐ no ☐ N/A
(C) Procedures for immediate notification to POTW of slug discharges	☐ yes ☐ no ☐ N/A
(D) 1. Describes measures for controlling toxic/hazardous pollutants	☐ yes ☐ no ☐ N/A
2. Describes procedures and equipment for emergency response	☐ yes ☐ no ☐ N/A
3. Describes follow-up to limit damage suffered by POTW or environment	☐ yes ☐ no ☐ N/A
4. Does the facility have Spill/Slug Notification Procedures posted?	☐ yes ☐ no ☐ N/A
5. Are worker personnel provided training in the event of a spill or slug discharge?	☐ yes ☐ no ☐ N/A
If no:	
Does the facility have Spill/Slug Notification Procedures posted?	☐ yes ☒ no
Is it posted in areas where chemicals are used and stored?	☐ yes ☐ no
If Yes how many?	
Are appropriate personnel provided training in the event of a spill or slug discharge?	☐ yes ☐ no
Have there been any non-routine, episodic discharges or chemical spills in the past year?	☐ yes ☒ no
(Briefly Describe, Include Dates)	
Was the City notified of these occurrences? ☐ yes ☐ no ☒ N/A	

Visual Inspection of Discharge Lines/Points	
Provide description of manhole condition and flow channel of the following where applicable:	
Sampling / Monitoring Point	Vat at end of treatment system
Total Flow Monitoring Point	Line from Vat w/ totalizer
Upstream Manhole	
Point of Connection:	

(1) SPCC incomplete at this time; I asked Robby to add ADEQ/EPA numbers & Post these numbers in a conspicuous location in the plant. Also need to add POTW number for contained spills.

(2) Facility has no open floor drains so a SPCC for the POTW is not required.

Attachment F: Self-Monitoring & if CFR 433, TTO/TOMP Requirements

Have Operator (or person collecting the sample) to describe how composite and grab samples are collected and preserved. Record descriptions. Include name of individual and title.

Operator takes 24-hr Composite sample from VAT at end of Pretreatment System.

Where is the sample point located?

☐ End of Process	☒ Pretreatment Effluent	☐ Total Flow
☐ Combined Flow	☐ Metered Flow	☐ Flow Actuator
☐ Private Manhole	☐ Utility Manhole	☐ Advance Notice Required
☐ Safety Hazards Identified	☐	☐

Is the Sample Collection Site Adequate?	☑ Yes ☐ No ☐ N/A
Does the facility rep. request a split sample on this sampling/inspection?	☐ Yes ☐ No
Does the facility perform self-monitoring tests in-house?	☐ Yes ☒ No ☐ N/A
If no, record the name and address of Contract Lab:	Sorrells
Automatic Sampler ☐ or Manual ☐	
IU Self-Monitoring Results reviewed:	☐ Yes ☐ No ☐ N/A
Is the Contract Lab certified by ADEQ for test parameters?	☒ Yes ☐ No ☐ N/A
Dates and Times of Sample Analysis Recorded?	☐ Yes ☐ No ☐ N/A
Correct Methods Used for Test Analysis (Refer To 40CFR Part 136)	☐ Yes ☐ No ☐ N/A
EPA recommended holding times being met (Refer to 40CFR Part 136)	☐ Yes ☐ No ☐ N/A
Chain of Custody Records for Self-Monitoring Samples Reviewed	☐ Yes ☐ No ☐ N/A
Were correct Sample Types Collected	☐ Yes ☐ No ☐ N/A
Dates and times of Sample Collection Recorded?	☐ Yes ☐ No ☐ N/A
Were Samples preserved correctly (refer to 40CFR Part 136)	☐ Yes ☐ No ☐ N/A
Were Self Monitoring records on file for past 3 years?	☐ Yes ☐ No ☐ N/A

List the parameters the facility monitors and the frequency:

☒ Cd(t)	☒ Cu(t)	☒ Cr(t)	☒ Ni(t)	☒ Pb(t)
☒ Ag(t)	☒ Zn(t)	☐ pH	☐ CN^-(t)	☐ CN^-(a-c)
☐ TTO-Vol	☐ TTO-B/N	☐ TTO-A.E.	☐ TTO-Pest	☐ Cr(hex)
☐	☐	☐	☐	☐

Toxic Organic Management Plan (TOMP) for Metal Finishers under CFR 433

How does the IU report TTO? ☒ Analysis ☐ Certification Statement

Does the facility have a Toxic Organic Management Plan? ☐ Yes ☐ No ☒ N/A

If yes, Does the plan show how toxic organics are used, stored, and disposed? ☐ Yes ☐ No ☐ N/A

List the date of the last revision to the TOMP:

Is the TOMP being followed as written? ☐ Yes ☐ No ☐ N/A (If no, provide explanation in comments.)

If no, is there evidence that a TOMP is needed? ☐ Yes ☐ No ☐ N/A (If yes, provide description of evidence in comments.)

Comments:

SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40CFR433/403.6(e)

e of this form is not an EPA/ADEQ requirement. Attn: Water Div/NPDES Pretreatme

(1) IDENTIFYING INFORMATION

A. LEGAL NAME & MAILING ADDRESS

Scroll Technologies
One Scroll Drive
Arkadelphia, AR 71923

B. FACILITY & LOCATION ADDRESS

Scroll Technologies
One Scroll Drive
Arkadelphia, AR 71923

C. FACILITY CONTACT: William G. Freuck TELEPHONE NUMBER: 870-246-0737

(2) REPORTING PERIOD--FISCAL YEAR From Mar 1 to Feb 28/29 (Both Semi-Annual Reports must cover Fiscal Year)

A. MONTHS WHICH REPORTS ARE DUE

March & September

B. PERIOD COVERED BY THIS REPORT

FROM: 9/1/2006 TO: 3/1/2007

(3) DESCRIPTION OF OPERATION

A. REGULATED PROCESSES

CORE PROCESS(ES)

CHECK EACH APPLICABLE BLOCK

- ☐ Electroplating
- ☐ Electroless Plating
- ☐ Anodizing
- ☒ Coating
- ☐ Chemical Etching and Milling
- ☐ Printed Circuit Board Manufacture

ANCILLARY PROCESS(ES)*

LIST BELOW EACH PROCESS USED IN THE FACILITY

Cleaning

Machining

Grinding

Painting

*SEE 40CFR433.10(a) FOR 40 DIFFERENT 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.

No major changes in regulated processes since the last report.

Mar 2007 SAR
Filedate 20070402

7913

RECEIVED
MAR 23 2007
MR

C. Number of Regular Employees at this Facility 828

D. [Reserved]

AFIN 10-00102
ARP00104 0

(4) FLOW MEASUREMENT

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

Process	Average Flow	Maximum Flow	Type of Discharge
Regulated (Total)	50,353	73,700	Continuous
Regulated (Cyanide)	50,353	73,700	Continuous
§403.6(e) Unregulated*	0	0	N/A
§403.6(e) Dilute	360	3,600	Batch
Cooling Water	100	200	Continuous
Sanitary	15,870	19,215	Continuous
Total Flow to POTW	66,683	96,715	**********

*"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

N/A

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.

Pollutant (mg/l)	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN	TTO*
MAC	0.108	2.731	3.332	0.680	3.924	0.424	2.573	1.183	2.100
AAC	0.069	1.686	2.041	0.424	2.346	0.237	1.459	0.641	***
AMMC	0.001	0.007	0.103	0.025	0.880	0.001	1.130	0.009	0.068
AMAC	0.0010	0.0027	0.0368	0.0088	0.2012	0.0010	0.4668	0.009	0.0345

MAC <=> Max Alternate Conc AAC <=> Ave Alternate Conc AMMC <=> Actual Measured Max Conc AMAC <=> Actual Measured Ave Conc
See 40CFR403.6(e) for details on Alternate Concentrations

Sample Location After Pre-Treatment

Sample Type (Grab or Composite) Composite

Number of Samples and Frequency Collected 6 samples @ 1 per month

40CFR136 Preservation and Analytical Methods Use: ☒ Yes ☐ No

(6) CERTIFICATION

CYANIDE CERTIFICATION (applicability Pending)

[Reserved]

B. CHECK ONE: [X] §433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED [ ] §433.12(a) TTO CERTIFICATION PROVIDED BELOW

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 Name)

_____
(Corporate Officer or authorized representative)

Date of Signature _____

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

§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:

We continue to use mechanical separation of oil and grease prior to pre-treatment.

(8) GENERAL COMMENTS

N/A

(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 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.

Carlos Zamudio
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

SIGNATURE

General Manager
OFFICIAL TITLE

3/19/07
DATE SIGNED

Waste Water Report

Month	Days in Month	Daily Average	High Flow	Low Flow	Total Effluent Gal.
Sept.- 06	30	52,043	62,200	33,900	1,561,300
October	31	54,981	63,500	40,300	1,704,400
November	30	43,747	59,800	23,000	1,312,400
December	21	54,662	***73,700***	46,000	1,147,900
Jan. - 07	40	55,597	51,800	30,700	2,223,900
February	28	41,090	65,800	28,000	1,150,500
Daily Average for 6 Months		**50,353**		**Grand Total**	**9,100,400**

Comments:

* December had 21 days due to shutdown so January has 40 days to get the average and keep the total flow correct.

* For 9/1/2006 through 3/1/2006

Water Usage, March 2007

Head Count:

Shift:	Monday:	Tuesday:	Wednesda	Thursday:	Friday:	Saturday:	Sunday:
1-Monday - Thursday	229	229	229	229			
1-Monday - Friday	130	130	130	130	130		
2-Monday - Thursday	179	179	179	179			
2-Monday - Friday	11	11	11	11	11		
3-Friday - Sunday					197	197	197
4-Friday - Sunday					82	82	82
Total Daily Head Count:	**549**	**549**	**549**	**549**	**420**	**279**	**279**
			@ 35 gallons / day / person				
Water Usage:	**19,215**	**19,215**	**19,215**	**19,215**	**14,700**	**9,765**	**9,765**

Total Head Count: **828**

Maximum Daily Usage: **19,215**
7-day Usage: **111,090**
Average Daily Usage: **15,870**

EFFLUENT SAMPLING SEPTEMBER 1, 2006 THROUGH MARCH 1, 2007

ATTRIBUTE	CADMIUM	CHROME	COPPER	LEAD	NICKEL	SILVER	ZINC	CYANIDE	TTO	ARSENIC
9/6/2006	0.001	0.001	0.013	0.001	0.04	0.001	0.321	0.009	0.068	0.001
10/11/2006	0.001	0.001	0.035	0.010	0.089	0.001	0.290	0.009	0.021	0.003
11/1/2006	0.001	0.001	0.025	0.002	0.06	0.001	0.272	0.009	0.052	0.001
12/6/2006	0.001	0.007	0.103	0.025	0.880	0.001	0.631	0.009	0.030	0.003
1/3/2007	0.001	0.005	0.027	0.003	0.064	0.001	1.130	0.009	0.014	0.001
2/7/2007	0.001	0.001	0.018	0.012	0.074	0.001	0.157	0.009	0.022	0.001
AMMC MAXIMUM	0.001	0.007	0.103	0.025	0.880	0.001	1.130	0.009	0.068	0.003
AMAC AVERAGE	0.0010	0.0027	0.0368	0.0088	0.2012	0.001	0.4668	0.009	0.0345	0.002

SORRELLS RESEARCH
LABORATORY AND FIELD SERVICES

8002 Stanton Road
Little Rock, Arkansas 72209

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

CHEMISTS
ECOLOGISTS
CONSULTANTS
PLANNERS

LABORATORY ANALYSIS

Date of Report: October 6, 2006
Date Received : September 6, 2006

For: SCROLL TECHNOLOGIES
ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-8813
Job: INDUSTRIAL WASTEWATER ANALYSIS / P.O.#50-57482
Sample From: EFFLUENT GRAB COMP 09/06/06 0600-0600

ANALYTE		RESULT	UNITS	METHOD
Dieldrin	<	10.000	ug/Liter	625i
Endosulfan, Alpha-	<	10.000	ug/Liter	625i
Endosulfan, Beta-	<	10.000	ug/Liter	625i
Endosulfan sulfate	<	10.000	ug/Liter	625i
Endrin	<	10.000	ug/Liter	625i
Endrin aldehyde	<	10.000	ug/Liter	625i
Heptachlor	<	10.000	ug/Liter	625i
Heptachlor epoxide (beta)	<	10.000	ug/Liter	625i
PCB-1016	<	2.000	ug/Liter	625i
PCB-1221	<	5.000	ug/Liter	625i
PCB-1232	<	2.000	ug/Liter	625i
PCB-1242	<	2.000	ug/Liter	625i
PCB-1248	<	2.000	ug/Liter	625i
PCB-1254	<	2.000	ug/Liter	625i
PCB-1260	<	2.000	ug/Liter	625i
Toxaphene	<	50.000	ug/Liter	625i
2, 3, 7, 8- TCDD	<	0.200	ug/Liter	625i
TTO, Total Toxic Organics		0.068	mg/Liter	Calc.

Laboratory Number: 7417.001

SORRELLS RESEARCH
LABORATORY AND FIELD SERVICES

CHEMISTS
ECOLOGISTS
CONSULTANTS
PLANNERS

8002 Stanton Road
Little Rock, Arkansas 72209

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

LABORATORY ANALYSIS

Date of Report: November 13, 2006
Date Received : October 11, 2006

For: SCROLL TECHNOLOGIES
ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-8813
Job: INDUSTRIAL WASTEWATER ANALYSIS / P.O.#50-57482
Sample From: EFFLUENT GRAB 10/11/04

ANALYTE		RESULT	UNITS	METHOD
Dieldrin	<	10.000	ug/Liter	625i
Endosulfan, Alpha-	<	10.000	ug/Liter	625i
Endosulfan, Beta-	<	10.000	ug/Liter	625i
Endosulfan sulfate	<	10.000	ug/Liter	625i
Endrin	<	10.000	ug/Liter	625i
Endrin aldehyde	<	10.000	ug/Liter	625i
Heptachlor	<	10.000	ug/Liter	625i
Heptachlor epoxide (beta)	<	10.000	ug/Liter	625i
PCB-1016	<	2.000	ug/Liter	625i
PCB-1221	<	5.000	ug/Liter	625i
PCB-1232	<	2.000	ug/Liter	625i
PCB-1242	<	2.000	ug/Liter	625i
PCB-1248	<	2.000	ug/Liter	625i
PCB-1254	<	2.000	ug/Liter	625i
PCB-1260	<	2.000	ug/Liter	625i
Toxaphene	<	50.000	ug/Liter	625i
2, 3, 7, 8- TCDD	<	0.200	ug/Liter	625i
TTO, Total Toxic Organics		0.021	mg/Liter	Calc.

Laboratory Number: 7548.001

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LABORATORY AND FIELD SERVICES

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Little Rock, Arkansas 72209

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

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LABORATORY ANALYSIS

Date of Report: November 21, 2006
Date Received : November 1, 2006

For: SCROLL TECHNOLOGIES
ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-8813
Job: INDUSTRIAL WASTEWATER ANALYSIS / P.O.#50-57482
Sample From: EFFLUENT GRAB COMP 11/01/06 0600-0600

ANALYTE		RESULT	UNITS	METHOD
Dieldrin	<	10.000	ug/Liter	625i
Endosulfan, Alpha-	<	10.000	ug/Liter	625i
Endosulfan, Beta-	<	10.000	ug/Liter	625i
Endosulfan sulfate	<	10.000	ug/Liter	625i
Endrin	<	10.000	ug/Liter	625i
Endrin aldehyde	<	10.000	ug/Liter	625i
Heptachlor	<	10.000	ug/Liter	625i
Heptachlor epoxide (beta)	<	10.000	ug/Liter	625i
PCB-1016	<	2.000	ug/Liter	625i
PCB-1221	<	2.000	ug/Liter	625i
PCB-1232	<	2.000	ug/Liter	625i
PCB-1242	<	2.000	ug/Liter	625i
PCB-1248	<	2.000	ug/Liter	625i
PCB-1254	<	2.000	ug/Liter	625i
PCB-1260	<	2.000	ug/Liter	625i
Toxaphene	<	50.000	ug/Liter	625i
2, 3, 7, 8- TCDD	<	0.200	ug/Liter	625i
TTO, Total Toxic Organics		0.052	mg/Liter	Calc.

Laboratory Number: 7604.001

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LABORATORY AND FIELD SERVICES

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8002 Stanton Road
Little Rock, Arkansas 72209

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

LABORATORY ANALYSIS

Date of Report: December 26, 2006
Date Received : December 6, 2006

For: SCROLL TECHNOLOGIES
ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-8813
Job: INDUSTRIAL WASTEWATER ANALYSIS / P.O.#50-88885
Sample From: EFFLUENT GRAB COMP 12/06/06 12/05-06/06 0600-0600

ANALYTE		RESULT	UNITS	METHOD
Dieldrin	<	10.000	ug/Liter	625
Endosulfan, Alpha-	<	10.000	ug/Liter	625
Endosulfan, Beta-	<	10.000	ug/Liter	625
Endosulfan sulfate	<	10.000	ug/Liter	625
Endrin	<	10.000	ug/Liter	625
Endrin aldehyde	<	10.000	ug/Liter	625
Heptachlor	<	10.000	ug/Liter	625
Heptachlor epoxide (beta)	<	10.000	ug/Liter	625
PCB-1016	<	2.000	ug/Liter	625
PCB-1221	<	5.000	ug/Liter	625
PCB-1232	<	2.000	ug/Liter	625
PCB-1242	<	2.000	ug/Liter	625
PCB-1248	<	2.000	ug/Liter	625
PCB-1254	<	2.000	ug/Liter	625
PCB-1260	<	2.000	ug/Liter	625
Toxaphene	<	50.000	ug/Liter	625
2, 3, 7, 8- TCDD	<	0.200	ug/Liter	625
TTO, Total Toxic Organics		0.030	mg/Liter	Calc.

Laboratory Number: 7724.001

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CHEMISTS
ECOLOGISTS
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PLANNERS

8002 Stanton Road
Little Rock, Arkansas 72209

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

LABORATORY ANALYSIS

Date of Report: January 30, 2007
Date Received : January 3, 2007

For: SCROLL TECHNOLOGIES
ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-8813
Job: INDUSTRIAL WASTEWATER ANALYSIS / P.O.#50-88885
Sample From: EFFLUENT GRAB COMP 01/03/07 01/02-03/07 0600-0600

ANALYTE		RESULT	UNITS	METHOD
Dieldrin	<	10.000	ug/Liter	625i
Endosulfan, Alpha-	<	10.000	mg/Liter	625i
Endosulfan, Beta-	<	10.000	ug/Liter	625i
Endosulfan sulfate	<	10.000	ug/Liter	625i
Endrin	<	10.000	ug/Liter	625i
Endrin aldehyde	<	10.000	ug/Liter	625i
Heptachlor	<	10.000	ug/Liter	625i
Heptachlor epoxide (beta)	<	10.000	ug/Liter	625i
PCB-1016	<	2.000	ug/Liter	625i
PCB-1221	<	5.000	ug/Liter	625i
PCB-1232	<	2.000	ug/Liter	625i
PCB-1242	<	2.000	ug/Liter	625i
PCB-1248	<	2.000	ug/Liter	625i
PCB-1254	<	2.000	ug/Liter	625i
PCB-1260	<	2.000	ug/Liter	625i
Toxaphene	<	50.000	ug/Liter	625i
2, 3, 7, 8- TCDD	<	0.200	ug/Liter	625i
TTO, Total Toxic Organics		0.014	mg/Liter	Calc.

Laboratory Number: 7825.001

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LABORATORY AND FIELD SERVICES

8002 Stanton Road
Little Rock, Arkansas 72209

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

CHEMISTS
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LABORATORY ANALYSIS

Date of Report: February 26, 2007
Date Received : February 7, 2007

For: SCROLL TECHNOLOGIES
ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-8813
Job: INDUSTRIAL WASTEWATER ANALYSIS / P.O.#50-88885
Sample From: EFFLUENT GRAB COMP 02/07/07 02/06-07/07 0600-0600

ANALYTE		RESULT	UNITS	METHOD
Dieldrin	<	10.000	ug/Liter	625i
Endosulfan, Alpha-	<	10.000	ug/Liter	625i
Endosulfan, Beta-	<	10.000	ug/Liter	625i
Endosulfan sulfate	<	10.000	ug/Liter	625i
Endrin	<	10.000	ug/Liter	625i
Endrin aldehyde	<	10.000	ug/Liter	625i
Heptachlor	<	10.000	ug/Liter	625i
Heptachlor epoxide (beta)	<	10.000	ug/Liter	625i
PCB-1016	<	2.000	ug/Liter	625i
PCB-1221	<	5.000	ug/Liter	625i
PCB-1232	<	2.000	ug/Liter	625i
PCB-1242	<	2.000	ug/Liter	625i
PCB-1248	<	2.000	ug/Liter	625i
PCB-1254	<	2.000	ug/Liter	625i
PCB-1260	<	2.000	ug/Liter	625i
Toxaphene	<	50.000	ug/Liter	625i
2, 3, 7, 8- TCDD	<	0.200	ug/Liter	625i
TTO, Total Toxic Organics		0.022	mg/Liter	Calc.

Laboratory Number: 7951.101

SORRELLS RESEARCH
LABORATORY AND FIELD SERVICES

CHEMISTS
ECOLOGISTS
CONSULTANTS
PLANNERS

8002 Stanton Road
Little Rock, Arkansas 72209

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

LABORATORY ANALYSIS

Date of Report: September 18, 2006
Date Received : September 6, 2006

For: SCROLL TECHNOLOGIES
ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-8813
Job: INDUSTRIAL WASTEWATER ANALYSIS / P.O.#50-57482
Sample From: EFFLUENT GRAB COMP 09/06/06 09/06/06 0600-0600

ANALYTE		RESULT	UNITS	METHOD
Biochemical oxygen demand		150.000	mg/Liter	5210 B
Total suspended solids		12.000	mg/Liter	160.2
Oil and grease - Gravimetric		2.500	mg/Liter	1664
pH (-H+)		7.010	units	4500 B
Temperature		19.000	.C	2550 B
Cadmium, Cd	<	0.001	mg/Liter	200.8
Chromium, Cr	<	0.001	mg/Liter	200.8
Copper, Cu		0.013	mg/Liter	200.8
Lead, Pb	<	0.001	mg/Liter	200.8
Manganese, Mn		0.185	mg/Liter	200.8
Nickel, Ni		0.040	mg/Liter	200.8
Silver, Ag	<	0.001	mg/Liter	200.8
Cyanide, total	<	0.009	mg/Liter	335.2
Arsenic, As		0.001	mg/Liter	200.8
Flow		0.045	mgd	Calc.
Metals, Digestion for	=	1.000	ea sample	3030 D
Zinc, Zn		0.321	mg/Liter	200.8

Laboratory Number: 7417.001A

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LABORATORY AND FIELD SERVICES

8002 Stanton Road
Little Rock, Arkansas 72209

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

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LABORATORY ANALYSIS

Date of Report: October 24, 2006
Date Received : October 11, 2006

For: SCROLL TECHNOLOGIES
ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-8813
Job: INDUSTRIAL WASTEWATER ANALYSIS / P.O.#50-57482
Sample From: EFFLUENT COMP 10/11/06 0600-0600

ANALYTE		RESULT	UNITS	METHOD
Biochemical oxygen demand		112.000	mg/Liter	5210 B
Total suspended solids		11.500	mg/Liter	160.2
Oil and grease - Gravimetric		2.400	mg/Liter	1664
pH (-H+)		7.130	units	4500 B
Temperature		6.500	.C	2550 B
Cadmium, Cd	<	0.001	mg/Liter	200.8
Chromium, Cr	<	0.001	mg/Liter	200.8
Copper, Cu		0.035	mg/Liter	200.8
Lead, Pb		0.010	mg/Liter	200.8
Manganese, Mn		0.416	mg/Liter	200.8
Nickel, Ni		0.089	mg/Liter	200.8
Silver, Ag	<	0.001	mg/Liter	200.8
Cyanide, total	<	0.009	mg/Liter	335.2
Arsenic, As		0.003	mg/Liter	200.8
Flow		0.060	mgd	Calc.
Metals, Digestion for	=	1.000	ea sample	3030 D
Zinc, Zn		0.290	mg/Liter	200.8

Laboratory Number: 7548.001A

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PLANNERS

8002 Stanton Road
Little Rock, Arkansas 72209

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

LABORATORY ANALYSIS

Date of Report: November 16, 2006
Date Received : November 1, 2006

For: SCROLL TECHNOLOGIES
ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-8813
Job: INDUSTRIAL WASTEWATER ANALYSIS / P.O.#50-57482
Sample From: EFFLUENT GRAB

ANALYTE		RESULT	UNITS	METHOD
Biochemical oxygen demand		88.200	mg/Liter	5210 B
Total suspended solids		19.500	mg/Liter	160.2
Oil and grease - Gravimetric		3.300	mg/Liter	1664
pH (-H+)		8.080	units	4500 B
Temperature		27.500	.C	2550 B
Cadmium, Cd	<	0.001	mg/Liter	200.8
Chromium, Cr	<	0.001	mg/Liter	200.8
Copper, Cu		0.025	mg/Liter	200.8
Lead, Pb		0.002	mg/Liter	200.8
Manganese, Mn		0.272	mg/Liter	200.8
Nickel, Ni		0.060	mg/Liter	200.8
Silver, Ag	<	0.001	mg/Liter	200.8
Cyanide, total	<	0.009	mg/Liter	335.2
Arsenic, As	<	0.001	mg/Liter	200.8
Flow		0.066	mgd	Calc.
Metals, Digestion for	=	1.000	ea sample	3030 D
Zinc, Zn		0.272	mg/Liter	200.8

Laboratory Number: 7604.001A

SORRELLS RESEARCH
LABORATORY AND FIELD SERVICES

8002 Stanton Road
Little Rock, Arkansas 72209

CHEMISTS
ECOLOGISTS
CONSULTANTS
PLANNERS

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

LABORATORY ANALYSIS

Date of Report: December 14, 2006
Date Received : December 6, 2006

For: SCROLL TECHNOLOGIES
ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-8813
Job: INDUSTRIAL WASTEWATER ANALYSIS / P.O.#50-88885
Sample From: EFFLUENT GRAB COMP 12/06/06 12/05-06/06 0600-0600

ANALYTE		RESULT	UNITS	METHOD
Biochemical oxygen demand		120.000	mg/Liter	5210 B
Total suspended solids		11.800	mg/Liter	160.2
Oil and grease - Gravimetric		3.100	mg/Liter	1664
pH (-H+)		8.200	units	4500 B
Temperature		23.800	.C	2550 B
Cadmium, Cd		0.001	mg/Liter	200.8
Chromium, Cr		0.007	mg/Liter	200.8
Copper, Cu		0.103	mg/Liter	200.8
Lead, Pb		0.025	mg/Liter	200.8
Manganese, Mn		0.662	mg/Liter	200.8
Nickel, Ni		0.880	mg/Liter	200.8
Silver, Ag	<	0.001	mg/Liter	200.8
Cyanide, total	<	0.009	mg/Liter	335.2
Arsenic, As		0.003	mg/Liter	200.8
Flow		0.067	mgd	Calc.
Metals, Digestion for	=	1.000	ea sample	3030 D
Zinc, Zn		0.631	mg/Liter	200.8

Laboratory Number: 7724.001A

SORRELLS RESEARCH
LABORATORY AND FIELD SERVICES

CHEMISTS
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CONSULTANTS
PLANNERS

8002 Stanton Road
Little Rock, Arkansas 72209

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

LABORATORY ANALYSIS

Date of Report: February 19, 2007
Date Received : January 3, 2007

For: SCROLL TECHNOLOGIES
ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-8813
Job: INDUSTRIAL WASTEWATER ANALYSIS / P.O.#50-88885
Sample From: EFFLUENT GRAB COMP 01/03/07 01/02-03/07 0600-0600

ANALYTE		RESULT	UNITS	METHOD
Biochemical oxygen demand		55.760	mg/Liter	5210 B
Total suspended solids		8.000	mg/Liter	160.2
Oil and grease - Gravimetric		2.400	mg/Liter	1664
pH (-H+)		7.080	units	4500 B
Temperature		21.600	.C	2550 B
Cadmium, Cd	<	0.001	mg/Liter	200.8
Chromium, Cr		0.005	mg/Liter	200.8
Copper, Cu		0.027	mg/Liter	200.8
Lead, Pb		0.003	mg/Liter	200.8
Manganese, Mn		0.741	mg/Liter	200.8
Nickel, Ni		0.064	mg/Liter	200.8
Silver, Ag	<	0.001	mg/Liter	200.8
Cyanide, total	<	0.009	mg/Liter	335.2
Arsenic, As	<	0.001	mg/Liter	200.8
Flow		1.176	mgd	Calc.
Metals, Digestion for	=	1.000	ea sample	3030 D
Zinc, Zn		1.130	mg/Liter	200.8

Laboratory Number: 7825.001A

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8002 Stanton Road
Little Rock, Arkansas 72209

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

LABORATORY ANALYSIS

Date of Report: February 19, 2007
Date Received : February 7, 2007

For:SCROLL TECHNOLOGIES
ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-8813
Job:INDUSTRIAL WASTEWATER ANALYSIS / P.O.#50-88885
Sample From:EFFLUENT

ANALYTE		RESULT	UNITS	METHOD
Biochemical oxygen demand		64.650	mg/Liter	5210 B
Total suspended solids		20.500	mg/Liter	160.2
Oil and grease - Gravimetric		2.800	mg/Liter	1664
pH (-H+)		6.470	units	4500 B
Temperature		22.800	.C	2550 B
Cadmium, Cd	<	0.001	mg/Liter	200.8
Chromium, Cr	<	0.001	mg/Liter	200.8
Copper, Cu		0.018	mg/Liter	200.8
Lead, Pb		0.012	mg/Liter	200.8
Manganese, Mn		0.952	mg/Liter	200.8
Nickel, Ni		0.074	mg/Liter	200.8
Silver, Ag	<	0.001	mg/Liter	200.8
Cyanide, total	<	0.009	mg/Liter	335.2
Arsenic, As	<	0.001	mg/Liter	200.8
Flow		0.012	mgd	Calc.
Metals, Digestion for	=	1.000	ea sample	3030 D
Zinc, Zn		0.157	mg/Liter	200.8

Laboratory Number: 7951.001A

SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40CFR433/403.6(e)

e of this form is not an EPA/ADEQ requirement. Attn: Water Div/NPDES Pretreatme

(1) IDENTIFYING INFORMATION

A. LEGAL NAME & MAILING ADDRESS

Scroll Technologies
One Scroll Drive
Arkadelphia, AR 71923

B. FACILITY & LOCATION ADDRESS

Scroll Technologies
One Scroll Drive
Arkadelphia, AR 71923

C. FACILITY CONTACT: William G. Freuck TELEPHONE NUMBER: 870-246-0737

(2) REPORTING PERIOD--FISCAL YEAR From Mar 1 to Feb 28/29 (Both Semi-Annual Reports must cover Fiscal Year)

A. MONTHS WHICH REPORTS ARE DUE

March & September

B. PERIOD COVERED BY THIS REPORT

FROM: 3/1/2006 TO: 9/1/2006

(3) DESCRIPTION OF OPERATION

A. REGULATED PROCESSES

CORE PROCESS(ES)

CHECK EACH APPLICABLE BLOCK

- ☐ Electroplating
- ☐ Electroless Plating
- ☐ Anodizing
- ☒ Coating
- ☐ Chemical Etching and Milling
- ☐ Printed Circuit Board Manufacture

ANCILLARY PROCESS(ES)*

LIST BELOW EACH PROCESS USED IN THE FACILITY

Cleaning

Machining

Grinding

Painting

*SEE 40CFR433.10(a) FOR 40 DIFFERENT 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.

No major changes in regulated processes since the last report.

Sep 2006 SAR

Filedate 2006 0925

C. Number of Regular Employees at this Facility 804

D. [Reserved]

SCROLL TECHNOLOGIES

September 13, 2006

Rufus J. Torrence
Pretreatment Engineer
Water Division, ADEQ
PO Box 8913
Little Rock, AR 72219-8913

Dear Mr. Torrence,

Please find enclosed the Semi-Annual Waste Water Report for Scroll Technologies for the period of March 1, 2006 through September 1, 2006 in accordance with 40CFR403.12(e).

Additionally, I would like to take this opportunity to introduce myself. My name is Bill Freuck and I have recently been placed as the Technical Services Manager for Scroll Technologies, taking over Mr. Robby Tefteller's former responsibilities. My contact information follows:

Tel: 870-246-0737
Email: bill.freuck@scrolltech.com

If there are additional questions or requirements for the contained report, or other environmental matters, please contact me at your convenience.

Sincerely,

Bill Freuck
Technical Services Manager
Scroll Technologies

Cc: R. Jacoby

September 13, 2006

Rufus J. Torrence
Pretreatment Engineer
Water Division, ADEQ
PO Box 8913
Little Rock, AR 72219-8913

Dear Mr. Torrence,

Please find enclosed the Semi-Annual Waste Water Report for Scroll Technologies for the period of March 1, 2006 through September 1, 2006 in accordance with 40CFR403.12(e).

Additionally, I would like to take this opportunity to introduce myself. My name is Bill Freuck and I have recently been placed as the Technical Services Manager for Scroll Technologies, taking over Mr. Robby Tellefero's former responsibilities. My contact information follows:

Tel: 870-249-0737
Email: bill.freuck@scrolltech.com

If there are additional questions or requirements for the contained report, or other environmental matters, please contact me at your convenience.

Sincerely,

Bill Freuck
Technical Services Manager
Scroll Technologies

Cc: R. Jacoby

(4) FLOW MEASUREMENT

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

Process	Average Flow	Maximum Flow	Type of Discharge
Regulated (Total)	49,148	82,800	Continuous
Regulated (Cyanide)	49,148	82,800	Continuous
§403.6(e) Unregulated*	0	0	N/A
§403.6(e) Dilute	360	3,600	Batch
Cooling Water	100	200	Continuous
Sanitary	15,320	18,340	Continuous
Total Flow to POTW	64,928	104,940	**********

*"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

N/A

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.

Pollutant (mg/l)	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN	TTO*
MAC	0.108	2.731	3.332	0.680	3.924	0.424	2.573	1.183	2.100
AAC	0.069	1.686	2.041	0.424	2.346	0.237	1.459	0.641	***
AMMC	0.001	0.007	0.133	0.012	0.113	0.002	0.740	0.009	0.162
AMAC	0.0009	0.0021	0.0491	0.0049	0.0507	0.001	0.3203	0.009	0.0662

MAC <=> Max Alternate Conc AAC <=> Ave Alternate Conc AMMC <=> Actual Measured Max Conc AMAC <=> Actual Measured Ave Conc
See 40CFR403.6(e) for details on Alternate Concentrations

Sample Location After Pre-Treatment

Sample Type (Grab or Composite) Composite

Number of Samples and Frequency Collected 6 samples @ 1 per month

40CFR136 Preservation and Analytical Methods Use: ☒ Yes ☐ No

	49,148	82,800	Continuous
	0	0	N/A
	560	8,600	Batch
	100	200	Continuous
	19,320	18,340	Continuous
	64,928	104,940	

N/A

	0.007	0.007	0.193	0.012	0.172	0.002	0.740	0.009	0.182
	0.0009	0.0021	0.0491	0.0046	0.0507	0.001	0.4293	0.009	0.0582

(6) CERTIFICATION

CYANIDE CERTIFICATION (applicability Pending)

[Reserved]

B. CHECK ONE: ☒ §433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED ☐ §433.12(a) TTO CERTIFICATION PROVIDED BELOW

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 Name)

_____
(Corporate Officer or authorized representative)

Date of Signature _____

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

§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:

We continue to use mechanical separation of oil and grease prior to pre-treatment.

(8) GENERAL COMMENTS

N/A

(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 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.

Carlos Zamudio
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

SIGNATURE

General Manager
OFFICIAL TITLE

9/13/06
DATE SIGNED

SORRELLS RESEARCH
LABORATORY AND FIELD SERVICES

WEF

8002 Stanton Road
Little Rock, Arkansas 72209

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

CHEMISTS
ECOLOGISTS
CONSULTANTS
PLANNERS

LABORATORY ANALYSIS

Date of Report: August 25, 2006
Date Received : August 2, 2006

For: SCROLL TECHNOLOGIES
ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-8813
Job: INDUSTRIAL WASTEWATER ANALYSIS / P.O.#50-57482
Sample From: EFFLUENT COMP 08/01/06 - 08/02-06 0600-0600

ANALYTE		RESULT	UNITS	METHOD
Endosulfan, Alpha-	<	10.000	ug/Liter	625i
Endosulfan, Beta-	<	10.000	ug/Liter	625i
Endosulfan sulfate	<	10.000	ug/Liter	625i
Endrin	<	10.000	ug/Liter	625i
Endrin aldehyde	<	10.000	ug/Liter	625i
Heptachlor	<	10.000	ug/Liter	625i
Heptachlor epoxide (beta)	<	2.000	ug/Liter	625i
PCB-1016	<	2.000	ug/Liter	625i
PCB-1221	<	5.000	ug/Liter	625i
PCB-1232	<	2.000	ug/Liter	625i
PCB-1242	<	2.000	ug/Liter	625i
PCB-1248	<	2.000	ug/Liter	625i
PCB-1254	<	2.000	ug/Liter	625i
PCB-1260	<	2.000	ug/Liter	625i
Toxaphene	<	50.000	ug/Liter	625i
2, 3, 7, 8- TCDD	<	0.200	ug/Liter	625i
TTO, Total Toxic Organics		0.032	mg/Liter	Calc.

Laboratory Number: 7315.001

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8002 Stanton Road
Little Rock, Arkansas 72209

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

LABORATORY ANALYSIS

Date of Report: June 15, 2006
Date Received : June 7, 2006

For: SCROLL TECHNOLOGIES
ONE SCROLL DRIVE
ARKADELPHIA, AR 71923-8813
Job: INDUSTRIAL WASTEWATER ANALYSIS / P.O.#50-57482
Sample From: EFFLUENT COMP 06/06/06 06/07/06 0600-0600

ANALYTE		RESULT	UNITS	METHOD
Biochemical oxygen demand		96.800	mg/Liter	5210 B
Total suspended solids		25.000	mg/Liter	160.2
Oil and grease - Gravimetric		3.200	mg/Liter	1664
pH (-H+)		8.400	units	4500 B
Temperature		28.000	.C	2550 B
Cadmium, Cd	<	0.001	mg/Liter	200.8
Chromium, Cr		0.007	mg/Liter	200.8
Copper, Cu		0.133	mg/Liter	200.8
Lead, Pb		0.005	mg/Liter	200.8
Manganese, Mn		0.640	mg/Liter	200.8
Nickel, Ni		0.050	mg/Liter	200.8
Silver, Ag	<	0.002	mg/Liter	200.8
Cyanide, total	<	0.009	mg/Liter	335.2
Arsenic, As		0.004	mg/Liter	200.8
Flow		0.045	mgd	Calc.
Metals, Digestion for	=	1.000	ea sample	3030 D
Zinc, Zn		0.740	mg/Liter	200.8

Laboratory Number: 7147.001A

ADEQ

ARKANSAS
Department of Environmental Quality

AFIN: 10-00102 Permit No.: ARP001040
Date: 4-13-07 By: R. Torrence
Project: TOMP

Sheet 1 of 1

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As of today Scroll has no TOMP

Ron Nan