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# Jacksonville Wastewater Utility

P.O. Box 69, 248 Cloverdale Road, Jacksonville, AR 72078  
Phone: 501/982-0581 Fax: 501/982-5791

February 19, 2008

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Mr. Rufus Torrence  
Pretreatment Coordinator, NPDES Branch  
ADEQ  
5301 North Shore Drive  
North Little Rock, AR 72118

FEB 21 2008

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**Subject: 2007 Pretreatment Report - AR0041335**

Dear Mr. Torrence:

Enclosed please find the Jacksonville Wastewater Utility's Annual Pretreatment Program Status Report as required by NPDES Permit No. AR0041335. All industries have complied with their Industrial Wastewater Discharge Permits in 2007.

If you have any questions concerning the information contained in the attached report or should you require any additional information, please contact me at (501) 982-0581.

Sincerely,

JACKSONVILLE WASTEWATER UTILITY

Jon Boyles  
Pretreatment Coordinator

NPDES PERMIT FILE  
NPDES # AR0041335  
AFIN # 50-005813  
Permit PN  
Correspondence  
Technical Backup  
6/9/08 V1 Date Scanned

Cc: Mr. Greg Hurley, ADEQ  
NPDES Enforcement Water Division

ENCLOSURES

JACKSONVILLE WASTEWATER UTILITY  
2007 Pretreatment Program Status Report

1. INTRODUCTION

The Jacksonville Wastewater Utility submits the following report pursuant to our AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) AND THE ARKANSAS WATER AND AIR POLLUTION CONTROL ACT, Permit Number: AR0041335, Part III Other Conditions, paragraph 1, d. The determination of Significant Noncompliance of an Industrial User was made by application of the criteria published in the July 24, 1990 Federal Register, amending 40 CFR 403.

2. INDUSTRIAL PRETREATMENT PROGRAM OVERVIEW

The Jacksonville Wastewater Utility currently has eleven (11) permitted significant industrial users. Two of these, significant industrial users, are categorical industries. One categorical industry, CECA LLC is regulated under 40 CFR 433 regulations and the other is Ashland Specialty Chemical Corporation, which is a zero discharger that is being regulated under 40 CFR 414. Below is a brief synopsis of all industrial users and their status.

E A. **Ashland Specialty Chemical Corporation** - This facility is a manufacturer of polyester resins and does not discharge any process water to the sanitary sewer but is permitted for spill control. The Industrial Wastewater Discharge Permit (IWDP) for this facility was renewed on January 1, 2004 and expired on December 31, 2007. This facility was approved for IWDP renewal in 2007, with the new IWDP to become effective on January 1, 2008. The permit prohibits the discharge of any process wastewater that would be regulated by the OCSFR category (40 CFR 414). This facility was determined to be categorical industry in May 2004 by Mr. Allen Gilliam, ADEQ State Pretreatment Coordinator. This facility is aware of the requirements necessary to receive permission to discharge any regulated process wastewater. This facility experienced no violations of their IWDP in 2007 and currently has a valid IWDP for spill & slug protection and control.

E B. **Cold Extrusion Company of America (CECA LLC.)** - This company is currently regulated under the pretreatment requirements located in 40 CFR 433 (Metal Finishing Industries). This facility's categorical process is the phosphatization of metal blanks used for the extrusion of metal tubing. The IWDP for this facility was renewed in August 23, 2005 and is due to expire on August 23, 2008. This facility experienced no violations of their IWDP in 2007 and CECA LLC currently has a valid IWDP.

E C. **Crosby-National Co. National Swage** - This plant manufactures swaging (a suspended cable harness) equipment, cable locks, and related items for heavy machinery, oil refinery-production, and construction. National Swage's alkaline cleaner tank (rinse water) is the only source of process wastewater, which produces very little wastewater. The IWDP for this facility was renewed on January 1, 2004 and expired on December 31, 2007. This facility was approved for IWDP renewal in 2007, with the new IWDP to become effective on January 1, 2008. In January 2003, National Swage completed a project that allows their facility to recycle all their process and cooling waters, which allows for zero process water discharge. The facility experienced no violation of their IWDP for the year 2007 and National Swage currently holds a valid IWDP for spill & slug protection and control.

E D. **Altivity Packaging Inc.** - This facility was formerly named Smurfit-Stone Container Corporation. The facility manufactures and prints paper bags. Processes at this facility consist of gluing paper and printing. This facility operates an ALAR Filtration Pretreatment system for copper removal. The IWDP for this facility was renewed, effective January 1, 2006 and will expire on January 1, 2009. The facility experienced no violations of their IWDP in 2007 and Altivity Packaging Inc. has a currently has a valid IWDP.

E. **Little Rock Air Force Base** - Little Rock Air Force Base (LRAFB) is a Department of Defense facility with the majority of their flow generated from domestic activities. LRAFB is a community of 10,000 people, with 1500 homes, and additional discharge from 2 dining halls, 2 clubs, 2 lounges, 2 fast food restaurants, 2 gas stations, 2 aircraft maintenance shops, an engine repair facility, 2 aircraft washing facilities, an automotive/vehicle repair facility, and a dry airplane painting facility. LRAFB's IWDP was renewed on January 1, 2006 and expires on January 1, 2009. The facility has experienced no violation of their Industrial Wastewater Discharge Permit in 2007 and LRAFB currently holds a valid IWDP.

F. **Rebsamen Medical Center** - Rebsamen Medical Center is a complete service hospital. Sources of process wastewater other than patient care are the radiology department that uses silver recovery system to recover silver from the waste stream, the pathology laboratory which uses formalin to preserve tissue samples for examination and testing and the cafeteria, which has an in-ground grease trap. The IWDP for this facility was renewed on January 1, 2007 and expires on December 31, 2009. Rebsamen Medical Center experienced no discharge violations of their IWDP in 2007 and currently has a valid IWDP.

G. **Triangle Engineering Inc.** - Triangle Engineering Inc. manufactures workshop, industrial, agricultural, and portable electrical fans. This facility currently operates an alkaline cleaner tank for surface preparation of metal parts. The IWDP for this facility was renewed on July 1, 2005 and expires on July 1, 2008. Triangle Engineering experienced no violations of their IWDP in 2007 and currently has a valid IWDP.

H. **UNIVAR USA Inc.** - UNIVAR USA Inc. is primarily a chemical distribution operation but it does have a small barrel (chemical totes) washing operation to reclaim and reuse barrels that have contained acid and caustics. This operation results in the discharge of a 2000-gallon batch discharge. Pollution Prevention (P2) activities such as reusable dedicated chemical totes, non-acceptance of any tote containing a heel of 1" or more in volume and the non-acceptance of totes other than those labeled UNIVAR (Vopak or Van Waters and Rogers), have enabled UNIVAR to reduce the amount of washing activities needed. UNIVAR has not discharged wash water during the year 2007. The IWDP for this facility was renewed on January 1, 2006 and expires on January 1, 2009. UNIVAR experienced no violations of their IWDP in 2007 and currently has a valid IWDP.

I. **Two Pine Landfill** (a Waste Management Company) - Two Pine Landfill (TPL), a Class A Landfill, accepts municipal and commercial (non-industrial) wastes from the central Arkansas area. The Industrial Wastewater Discharge Permit for this facility was renewed on October 10, 2006 and expires on October 9, 2009, for the discharge of Landfill Leachate to Jacksonville Wastewater Utility. The leachate arrives at the J. Albert Johnson Regional Treatment Facility in a six-thousand (6,000) gallon tanker truck. The leachate is mixed with the influent wastewater stream for treatment. TPL experienced no violations of their IWDP in 2007 and currently has a valid IWDP.

J. **Arkansas Portable Toilets** (dba Little John's Portable Toilets and Arkansas Portable Toilets) - Arkansas Portable Toilets (APT) services portable toilets in the central Arkansas area. Chemicals used are prepackaged and intended for approximately one time use per portable toilet. The Industrial Wastewater Discharge Permit for this facility was renewed on August 22, 2005 and expires on August 22, 2008, for the discharge of Portable Toilet Waste to Jacksonville Wastewater Utility. APT experienced no violations of their IWDP in 2007 and currently has a valid IWDP. APT has not discharged to JWU since August 2007.

N. **Dirty Work Inc.** - Dirty Work Inc. (DWI) was permitted in 2007. DWI plans to wash vehicles on site, collect the wash water, and discharge the wash water after sediment filtration to JWU. The sediment collected will be disposed into the garbage for disposal at a landfill. DWI intends to use a mild detergent (Dawn) for cleaning purposes. DWI has not discharged to JWU, but upon discharge samples will be collected for the BMR. DWI currently has a valid IWDP.

N L. **Metro Portable Toilets** – Metro Portable Toilets (MPT) was permitted in 2007. MPT services portable toilets in the central Arkansas area. Chemicals used are prepackaged and intended for approximately one time use per portable toilet. The IWDP for this facility was issued for the discharge of Portable Toilet Waste to JWU. MPT experienced no violations of their IWDP in 2007 and currently has a valid IWDP.

N M. **All Type Plumbing Co. (dba U.S. Rooter)** -- All Type Plumbing Inc. (ATPI) was permitted in 2007. ATPI services septic tanks in the central Arkansas area. The IWDP for this facility was issued for the disposal of domestic septage to JWU. ATPI experienced no violations of their IWDP in 2007 and currently has a valid IWDP.

### 3. PRIORITY POLLUTANT SCAN AND QUARTERLY ANALYSIS

The Utility is required by AR0041335, part III, (c), to perform an analysis of the Influent and Effluent flows for those pollutants listed in 40 CFR 122, Appendix D, Table III, at least once/quarter except Antimony, Beryllium, Selenium, Thallium, and Cyanide which are required to be analyzed at least once/year and is required to perform an analysis of the Influent and Effluent flows for those pollutants listed in 40 CFR 122, Appendix D, Table II, once/year.

### 4. SLUDGE MONOFILL MONITORING

As required by Jacksonville Wastewater Utility's Solid Waste Permit #219-S, the Utility has performed an analysis on the four monitoring wells and sludge for the pollutant parameters listed in the permit twice a year. In addition, sludge is monitored according to USEPA 40 CFR 503 regulations.

### 5. PRETREATMENT PERFORMANCE SUMMARY

Attached to this report is a copy of the completed EPA forms "Pretreatment Performance Summary", "Updated Significant Industrial User List", Significant Violators - Enforcement Actions Taken", and monitoring results.

### 6. PRETREATMENT INVESTIGATIVE TECHNIQUES AND OUTREACH PROGRAM

- The Utility has a program in effect that periodically checks and inspects the oil/water interceptors, sand traps, and grease interceptors to determine and observe the cleanliness and functioning of these pretreatment devices.
- The Utility has initiated a program that will inspect the health care providers within the service area for proper disposal techniques for silver and mercury.
- A representative from the Laboratory and / or Pretreatment department will conduct a privilege license inspection of each new commercial / industrial facility to be located within Jacksonville.
- The Pretreatment Coordinator is a certified Plumbing Inspector and is able to conduct Plumbing inspections of Commercial and or Industrial firms to determine if pretreatment devices are necessary before the facility opens for business.
- The City of Jacksonville collects Privilege Tax from all commercial businesses. These businesses are inspected prior to opening to the public and JWU is on the inspection list, so that any new business that creates a process wastewater stream will be evaluated by the Pretreatment Department for treatability.

### 7. PUBLICATION OF INDUSTRIAL USERS IN SIGNIFICANT NONCOMPLIANCE

All Jacksonville Wastewater Utility's Significant IUs were in compliance with their IWDP for the year 2007.

**MONITORING RESULTS (1) FOR THE ANNUAL PRETREATMENT REPORT**

**REPORTING YEAR: January 01 , 2007 TO December 31 , 2007**

**TREATMENT PLANT: City of Jacksonville -- J. Albert Johnson Plant NPDES PERMIT #AR0041335**

**AVERAGE POTW FLOW: 5.9 MGD      % IU FLOW: 2.0 %**

METALS, CYANIDE and PHENOLS (Total)	Influent Dates Sampled (mg/l) Once/quarter				WQ level/ limit mg/l (2)	Effluent Dates Sampled (mg/l) Once/quarter				Laboratory Analysis (See Attachment PPS)	
	02- 14- 07	05- 18- 07	08- 29- 07	11- 08- 07		02- 14- 07	05- 18- 07	08- 29- 07	11- 08- 07	EPA Method Used (1)	Detection Level Achi (ug/l)
Antimony			N/D					N/D		200.7	60
Cadmium	N/D	N/D	N/D	N/D		N/D	N/D	N/D	N/D	200.7	1
Copper	0.035	0.030	0.030	N/D		N/D	N/D	N/D	N/D	200.7	10
Lead	N/D	N/D	N/D	N/D		N/D	N/D	N/D	N/D	200.7	5
Mercury	N/D	N/D	N/D	82.0 ng/l		N/D	N/D	N/D	N/D	245.1 245.7	5.0    0.2 ng/L
Nickel	N/D	N/D	N/D	N/D		N/D	N/D	N/D	N/D	200.7	40
Selenium			N/D					N/D		200.7	5
Silver	N/D	N/D	N/D	N/D		N/D	N/D	N/D	N/D	200.7	2
Zinc	0.083	0.098	0.063	0.113		0.031	0.033	0.050	0.064	200.7	20
Chromium	N/D	N/D	N/D	N/D		N/D	N/D	N/D	N/D	200.7	10
Cyanide			N/D					N/D		335.2	20
Arsenic	0.019	N/D	N/D	N/D		N/D	N/D	N/D	N/D	200.7	10
Molybdenum	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A
Phenols	N/D	0.027	0.054	0.116		N/D	N/D	N/D	0.027	420.1	5
Beryllium			N/D					N/D		200.7	5
Thallium			0.032					0.037		200.7	10
Flow, MGD	5.6	3.2	3.2	3.3		6.9	4.3	4.6	4.2		
(3) Toluene			0.00343					N/D		EPA 624	0.0003
(3) Bis(2-ethylhexyl) phthalate			0.01852					N/D		EPA 625	0.0031
(3) Diethyl phthalate			0.00597					N/D		EPA 625	0.0024

(1) It is advised that the influent and effluent samples are collected considering flow detention time through each plant. **Analytical MQLs should be used so that the data can also be used for Local Limits assessment and NPDES application purpose.**

(2) This value was calculated during the development of TBLL based on State WQ Standards and implementation procedures.

(3) Record the name of any pollutant [40 CFR 122, Appendix D, Table II and/or Table V] detected and the quantity in which they were detected.

MAHL - Maximum Allowable Headworks Level

WQ - Water Quality

**Attachment A**  
**CITY OF JACKSONVILLE**      **NPDES PERMIT # AR0041335**  
**2007 PRETREATMENT PROGRAM STATUS REPORT**

Facility Name	SIC	Categorical Determination	Control Document		New User	Times Inspected	Times Sampled	Compliance Status				Discharge
			Last Action	Y/N				BMR	Reports		Permit Limits	
									90 Day Compliance	Semi-Annual		
✓ Ashland Specialty Chemical Company 1*	2821	Categorical # 40 CFR 414	RENEWED 2008	Y	N	1	2	N/A	N/A	RD	RD	C
✓ Arkansas Portable Toilets/ Little John's Portable Toilets*	7359	Noncategorical	ISSUED 2005	Y	N	1	1	N/A	N/A	NR	RD	C
✓ CECA LLC	3462 & 3599	Categorical # 40 CFR 433	RENEWED 2005	Y	N	1	2	N/A	N/A	RD	RD	C
Metro Portable Toilets	7359	Noncategorical	ISSUED 2007	Y	Y	1	1	YES	N/A	NR	NR	C
All Type Plumbing Inc. 3*	7699	Noncategorical	ISSUED 2007	Y	Y	0	0	YES	N/A	NR	NR	C
Dirty Work Inc 3*	7542	Noncategorical	ISSUED 2007	Y	Y	1	0	NO	N/A	NR	RD	C
✓ Little Rock Air Force Base	9711	Noncategorical	RENEWED 2006	Y	N	1	3	N/A	N/A	NR	RD	C
✓ <i>CSH</i> National Swage 1*	3429 & 3542	Noncategorical	RENEWED 2008	Y	N	1	2	N/A	N/A	NR	RD	C
Rebsamen Medical Center	8062	Noncategorical	RENEWED 2007	Y	N	1	2	N/A	N/A	NR	RD	C
✓ Aliviy Packaging Inc.	2673, 2674, 2679, & 2759	Noncategorical	RENEWED 2006	Y	N	1	3	N/A	N/A	NR	RD	C
✓ Two Pine Landfill	4953	Noncategorical	RENEWED 2006	Y	N	1	3	N/A	N/A	RD	RD	C
✓ Triangle Engineering	3449 & 3479	Noncategorical	RENEWED 2005	Y	N	1	2	N/A	N/A	NR	RD	C
✓ UNIVAR USA Inc. 2*	5169	Noncategorical	RENEWED 2006	Y	N	1	0	N/A	N/A	NR	RD	C

1\* No process water discharged from this facility, domestic only discharges.

2\* No process water discharge in 2007.

3\* New Permittee, has not generated wastewater for discharge by end of 2007.

4\* APT has not discharged to JWU since August 2007. Driver injured in motorcycle wreck.

C = Compliance, NC = Noncompliance, SNC = Significant Noncompliance, RD = Received, NR = Not Required, and N/A = Not Applicable





**PRETREATMENT PERFORMANCE SUMMARY (PPS) PERMIT # AR0041335**

**NOTE: ALL QUESTIONS REFER TO THE INDUSTRIAL PRETREATMENT PROGRAM AS APPROVED BY THE EPA. THE PERMITTEE SHOULD NOT ANSWER THE QUESTIONS BASED ON CHANGES MADE TO THE APPROVED PROGRAM WITHOUT EPA AUTHORIZATION.**

I. General Information			
Control Authority Name	Jacksonville Wastewater Utility		
Address	248 Cloverdale Road		
City	Jacksonville	State/Zip	AR 72076
Contact Person	Jon Boyles	Position	Pretreatment Coordinator
Contact Telephone Number	(501) 982-0581		
NPDES Permit Nos.	AR 0041335		
Reporting Period	January 1, 2007 through December 31, 2007		
Total Number of Categorical IUs	Two (2)		
Total Number of Significant Noncategorical IUs	Eleven (11)		

II. Significant Industrial User Compliance			
		Significant Industrial Users	
		Categorical	Noncategorical
1	No. of SIUs Submitting BMRs*/Total No. Required	2/2	9/11
2	No. of SIUs Submitting 90-Day Compliance Reports/No. Required	0/0	0/0
3	No. of SIUs Submitting Semiannual Reports/Total No. Required	2/2	1/1
4	No. of SIUs Meeting Compliance Schedule/Total No. Required to Meet Schedule	0/0	0/0
5	No. of SIUs in Significant Noncompliance/Total No. of SIUs*	0/2	0/11
6	Rate of Significant Noncompliance for all SIUs*	0/13	

### III. Compliance Monitoring Program

1	No. of Control Documents Issued/Total No. Required	<u>2/2</u>	<u>11/11</u>
2	No. of Nonsampling Inspections Conducted	<u>0</u>	<u>1</u>
3	No. of Sampling Visits Conducted	<u>4</u>	<u>16</u>
4	No. of Facilities Inspected (nonsampling)	<u>2</u>	<u>10</u>
5	No. of Facilities Sampled*	<u>2/2</u>	<u>9/9</u>

\* Two new start-up SIU's (mobile washer & septic tank pumper) permitted in second half of 2007, no process water generated before year end for sampling purposes.

### IV. Enforcement Actions

		Significant Industrial Users	
		Categorical	Noncategorical
1	No. of Compliance Schedules Issued/No. of Schedules Required	<u>0</u>	<u>0</u>
2	No. of Notices of Violations issued to SIUs	<u>0</u>	<u>0</u>
3	No. of Administrative Orders Issued to SIUs	<u>0</u>	<u>0</u>
4	No. of Civil Suits Filed	<u>0</u>	<u>0</u>
5	No. of Criminal Suits Filed	<u>0</u>	<u>0</u>
6	No. of Significant Violators (attach newspaper publication)	<u>0</u>	<u>0</u>
7	Amount of Penalties Collected (total dollars/IUs assessed)	<u>0</u>	<u>0</u>
8	Other Actions (sewer bans, etc.)	<u>0</u>	<u>0</u>

The following certification must be signed in order for this form to be considered complete:

I certify that the information contained herein is complete and accurate to the best of my knowledge.



2/19/08

Authorized Representative

Date

Sam Zehtaban, Administrative Operations Manager

CODE SHEET

Annual Report

		<u>CODE</u>
Auditor's Name	<u>Torrence</u>	
Permit Number	<u>AR0041335</u>	
Period Report Covers End Date	<u>12/31/07</u>	PSED
Start Date	<u>1/1/07</u>	PSSD

PPETS WENDB DATA ELEMENTS

Significant IUs in Significant Noncompliance with Pretreatment Compliance Schedule	<u>Ø</u>	SSNC
NOV's and A.O.'s Issued Against Significant IUs	<u>Ø</u>	FENF
Civil and/or Criminal Judicial Actions Against Significant IUs	<u>Ø</u>	JUDI
Significant IUs with Significant Violations published in Newspaper	<u>Ø</u>	SVPU
IUs from which penalties have been collected	<u>Ø</u>	IUPN

COMMENTS:

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