

## Torrence, Rufus

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**From:** Torrence, Rufus  
**Sent:** Friday, February 17, 2012 9:15 AM  
**To:** 'Kevin McGill'  
**Subject:** AFIN 60-00543 AR0041335 City of Jacksonville 2011 Annual Report



February 17, 2012

Kevin McGill, Pretreatment Coordinator  
Jacksonville Wastewater Utility  
248 Cloverdale Road  
Jacksonville, Arkansas 72076

Re: City of Jacksonville 2011 Annual Pretreatment Report  
(Permit No. AR0041335 AFIN 60-00543)

Dear Mr. McGill:

The Department has reviewed the City's 2011 Annual Pretreatment Report and the report is complete. However, the Department has a recommendation for future reports.

The Maximum Allowable Headworks Concentration (MAHC) for copper is only 35.53  $\mu\text{g/l}$ . All four reported copper influent concentrations (43.0, 52.0, 44.0 & 47.0  $\mu\text{g/l}$ ) exceeded the MAHC. The current removal efficiency for copper is 74%. The removal efficiency determines the corresponding MAHC. The City is expected to review MAHCs quarterly when new influent-effluent data is received. When any MAHC changes by 20% or more, the City may petition ADEQ to update the MAHC. The Department recommends that the City make the request in the annual report. Since none of the effluent concentrations for copper exceeded the WQS (9.24  $\mu\text{g/l}$ ), the Department has decided to update the MAHC for copper based on the EPA Median<sup>1</sup> Removal Efficiency of 86%. The new MAHC for copper is 65.98  $\mu\text{g/l}$ .

The influent-effluent data submitted with the 2010 report shown that the copper and zinc concentrations in the effluent were approaching the respective WQS. The influent-effluent data in the 2011 report shows the same trend. The City should work with the water department to lower the concentration of copper and zinc in the drinking water.

The Department appreciates the City's continued efforts in annual reporting. If you have any questions or concerns, please contact the Department at (501) 682-0626 or by email at [torrence@adeq.state.ar.us](mailto:torrence@adeq.state.ar.us).

Sincerely,



Rufus Torrence, Pretreatment Engineer  
Water Division

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<sup>1</sup> EPA Local Limits Development Guidance Appendices; page R-2.

ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY  
5301 NORTSHORE DRIVE / NORTH LITTLE ROCK / ARKANSAS 72118-5317 / TELEPHONE 501-682-0744 / FAX 501-682-0886  
[www.adeq.state.ar.us](http://www.adeq.state.ar.us)

AKQuz

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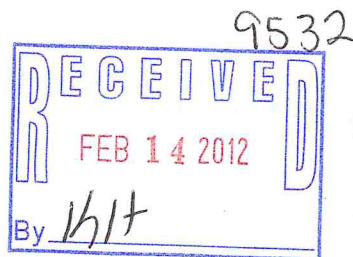


# Jacksonville Wastewater Utility

248 Cloverdale Road, Jacksonville, AR 72076  
Phone: (501) 982-0581 Fax: (501) 982-5791  
[www.jwwu.com](http://www.jwwu.com)

February 13, 2012

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



**Subject: 2011 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 2011.

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

Kevin McGill  
Pretreatment Coordinator

ENCLOSURES: JACKSONVILLE WASTEWATER UTILITY 2011 Pretreatment Program Status Report

**MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT**  
**REPORTING YEAR: JANUARY 1, 2011 TO DECEMBER 31, 2011**  
**TREATMENT PLANT: City of JACKSONVILLE, AR NPDES PERMIT #AR0041335**  
**AVERAGE POTW FLOW: 5.90 MGD % IU FLOW: 2 %**

METALS, CYANIDE and PHENOLS	MAHC (Total) (µg/l) (2)	INFLUENT DATES SAMPLED (µg/l) Once/quarter						WQ level/ limit (µg/l)	EFFLUENT DATES SAMPLED (µg/l) Once/quarter						LABORATORY ANALYSIS		
		Date		Date		Date			Date		Date		EPA MQL (µg/l) (1)	EPA Method Used (1)	Detection Level Achieved (µg/l)		
		Date	Date	Date	Date	Date	Date		Date	Date	Date						
		2-22-11	5-18-11	8-30-11	11-8-11	2-22-11	5-18-11		8-30-11	11-8-11	2-22-11	5-18-11				8-30-11	11-8-11
Antimony	N/A	N/A	N/A	<60.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	60	200.8	60	
Cadmium	5.58	0.53	0.53	<0.50	0.64	1.84	1.84	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	200.8	0.5	
Copper	35.53	43.0	52.0	44.0	47.0	9.24	9.24	4.2	5.9	6.1	4.2	4.2	4.2	0.5	200.8	0.5	
Lead	6.95	1.8	5.5	2.3	2.4	2.71	2.71	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	200.8	0.5	
Mercury	0.03	0.019	0.10	0.091	0.031	0.01	0.01	<0.005	<0.005	<0.0018	<0.005	<0.005	<0.005	0.005	245.7	0.005	
Nickel	76.74	5.7	12.0	5.0	6.9	96.96	96.96	2.9	3.3	3.4	3.0	3.0	3.0	0.5	200.8	0.5	
Selenium	11.16	N/A	N/A	<5.0	N/A	5.58	5.58	N/A	N/A	<5.0	N/A	N/A	N/A	5	200.8	5.0	
Silver	3.73	0.76	<0.5	1.2	<0.5	0.93	0.93	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	200.8	0.5	
Zinc	167.71	99.0	130.0	110.0	140.0	85.53	85.53	34.0	30.0	33.0	55.0	55.0	55.0	20	200.8	20	
Chromium	280.75	<10.0	<10.0	<10.0	<10.0	295.43	295.43	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10	200.8	10	
Cyanide	18.72	N/A	N/A	<10.0	N/A	5.8	5.8	N/A	N/A	<10.0	N/A	N/A	N/A	10	SM4500- CN C,E	10	
Arsenic	12.79	<0.5	1.1	<0.5	1.1	348.96	348.96	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	0.5	200.8	0.5	
Molybdenum	11.51	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--	--	--	
Phenols	N/A	27.0	50.0	31.0	130.0	N/A	N/A	<5.0	<5.0	<5.0	12.0	12.0	12.0	5	420.1	5	
Beryllium	11.83	N/A	N/A	<0.5	N/A	5.91	5.91	N/A	N/A	<0.5	N/A	N/A	N/A	0.5	200.8	0.5	
Thallium	N/A	N/A	N/A	<0.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.5	200.8	0.5	
Flow, MGD	N/A	3.936	2.811	3.139	3.357	N/A	N/A	4.575	3.532	3.674	3.790	3.790	3.790				
(3) Toluene				<10.0							<10.0					10.0	
(3) Bis(2ethylhexyl) phthalate				37.0							<10.0					50.0	
(3) 1,4- Dichlorobenzene				<10.0							<10.0					10.0	

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**Attachment A  
CITY OF JACKSONVILLE NPDES PERMIT # AR0041335  
2011 PRETREATMENT PROGRAM STATUS REPORT**

Facility Name	SIC	Categorical Determination	Control Document		New User	Times Inspected	Times Sampled	Compliance Status					
			Last Action	Y/N				Reports			Discharge		
								BMR	90 Day Compliance	Semi-Annual		Self Monitoring	Permit Limits
1 ✓ Ashland Specialty Chemical Company 1*	2821	Categorical # 40 CFR 414	RENEWED 11-2-10	Y	N	1	2	N/A	N/A	C	C	C	C
2 ✓ Arkansas/Go Potty/ J's Portable Toilets 3*	7359	Noncategorical	RENEWED 11-30-10	Y	N	0	1	N/A	N/A	C	C	C	C
3 ✓ Avery Septic Tank Cleaning 3*	7699	Noncategorical	Renewed 4-1-11	Y	N	0	1	YES	N/A	C	C	C	C
4 ✓ Metro Portable Toilets 2*	7359	Noncategorical	Renewed 1-1-10	Y	N	0	0	N/A	N/A	C	C	C	C
5 ✓ All Type Plumbing Inc. 3*	7699	Noncategorical	Renewed 1-1-10	Y	N	0	0	N/A	N/A	C	C	C	C
X Dirty Work Inc 2*	7542	Noncategorical	Expired 1-1-10	Y	N	0	0	N/A	N/A	C	C	C	C
X Time to Shine Detailing 2*, 3*	7542	Noncategorical	Expired 12-31-11	Y	Y	0	0	YES	N/A	C	C	C	C
6 ✓ Little Rock Air Force Base	9711	Noncategorical	RENEWED 9-13-11	Y	N	1	2	N/A	N/A	C	C	C	C
X National Swage 1*	3429 & 3542	Noncategorical	Permit Cancelled per IU 7-1-10	Y	N	1	0	N/A	N/A	C	C	C	C
7 ✓ N. M. MED. CTR. (Rebsam Med Ctr)	8062	Noncategorical	RENEWED 1-1-10	Y	N	1	2	N/A	N/A	C	C	C	C
X Graphic Packaging Inc.	2673, 2674, 2679, 2759	Noncategorical	Permit cancelled per IU 9-1-11	Y	N	1	1	N/A	N/A	C	C	C	C
8 ✓ Two Pine Landfill	4953	Noncategorical	RENEWED 10-18-11	Y	N	1	2	N/A	N/A	C	C	C	C
X UNIVAR USA Inc. 2*	5169	Noncategorical	Cancelled per IU 12-31-11	Y	N	1	0	N/A	N/A	C	C	C	C
9 ✓ Wallace Pressure Washing 3*	7542	Noncategorical	ISSUED 3-22-10	Y	Y	0	1	N/A	N/A	C	C	C	C
10 ✓ Best Toilets 3*	7359	Noncategorical	Issued 1/23/2011	Y	Y	0	1	N/A	N/A	C	C	C	C

1\* This facility discharges domestic wastewater only, permit issued because IU determined categorical, IWD/P also has a spill control mechanism.

2\* No process water discharge in 2011.

3\* IU not inspected, mobile equipment is checked during discharge at treatment plant.



## 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	Kevin McGill	Position	Pretreatment Coordinator
Contact Telephone Number	(501) 982-0581		
NPDES Permit Nos.	AR 0041335		
Reporting Period	January 1, 2011 through December 31, 2011		
Total Number of Categorical IUs	One (1)		
Total Number of Significant Noncategorical IUs	Ten(10)		

## II. Significant Industrial User Compliance

		Significant Industrial Users	
		Categorical	Noncategorical
1	No. of SIUs Submitting BMRs*/Total No. Required	1/1	<del>10/10</del> 0
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	1/1	<del>1/1</del> 0/0
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*	0/1	<del>0/1</del> 9
6	Rate of Significant Noncompliance for all SIUs*		<del>0/1</del> 10

III. Compliance Monitoring Program			
1	No. of Control Documents Issued/Total No. Required	<u>1/1</u>	<u><del>10/10</del> 9/9</u>
2	No. of Nonsampling Inspections Conducted	<u>1</u>	<u>6</u>
3	No. of Sampling Visits Conducted	<u>2</u>	<u>11</u>
4	No. of Facilities Inspected (nonsampling)	<u>1</u>	<u>5*</u>
5	No. of Facilities Sampled	<u>1/1</u>	<u>7/10**</u>

\*Inspections were not conducted at the following permit holders: Avery Septic Tank Cleaning, All Type Plumbing, Dirty Work, Inc., Wallace Pressure Washing, and Time to Shine. These facilities do not have a building to stage their operations from and their equipment was inspected before issuing an IWDP.

\*\* These facilities did not discharge process waters to JWU during the year: Univar USA, Inc., Dirty Work Inc., Metro Portable Toilets, and Time to Shine.

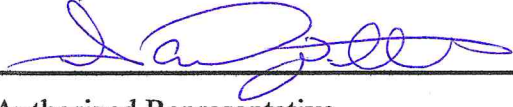
IV. Enforcement Actions			
		Significant Industrial Users	
		Categorical	Noncategorical
1	No. of Compliance Schedules Issued/No. of Schedules Required	<u>0</u>	<u>0</u>
2	No. of Notices of Violations issued to SIUs	<u>0</u>	<u>2</u>
3	No. of Administrative Orders Issued to SIUs	<u>0</u>	<u>0</u>
4	No. 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>



Attachment C

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.



2/13/2012

Authorized Representative

Date

Sam Zehtaban, Administrative Operations Manager

Report Type

Biosolids Program Report

CAFO Annual Report

CSO Event Report

Local Limits Report

MS4 Program Report

Pretreatment Performance Summary Report

SSO Annual Report

SSO Event Report

SSO Monthly Event Report

Storm Water Event Report

**Report Information** **Local Limits**

\* Pretreatment Performance Summary Start Date: 01/01/2011

Date of Most Recent Technical Evaluation & or Local Limits:

Date of Most Recent Adoption of Technically Based Local Limits:

Local Limit Pollutants:

**Significant Industrial Users (SIUs)**

SIUs:

SIUs Without Control Mechanism:

SIUs Not Inspected:

SIUs Not Sampled:

SIUs in SNC with Pretreatment Standards:

SIUs in SNC with Reporting Requirements:

SIUs in SNC with Pretreatment Schedule:

SIUs in SNC Published in Newspaper:

SIUs Schedules:

Violation Notices Issued to SIUs:

Administrative Orders Issued to SIUs:

Civil Suits Filed Against SIUs:

Criminal Suits Filed Against SIUs:

**Removal Credits**

Removal Credits Application Status: Not Applicable

Date of Most Recent Removal Credits Approval:

Removal Credits:

**Categorical Industrial Users (CIUs)**

CIUs:

CIUs in SNC:

**Acceptance of Waste**

Acceptance of Hazardous Waste:

Acceptance of Non-Hazardous Industrial Waste:

Acceptance of Hauled Domestic Wastes:

**Penalties**

Dollar Amount of Penalties Collected: \$

Industrial Users (IUs) from which Penalties have been collected:

**Deficiencies**

Deficiencies Identified During IU File Review:

Control Mechanism Deficiencies:

Legal Authority Deficiencies:

Deficiencies in Data Management and Public Participation:

Deficiencies in Interpretation and Application of Pretreatment Standards:

Inadequacy of Sampling and Inspections:

Adequacy of Pretreatment Resources:

**Other Information**

SUO Reference:

SUO Date:

Annual Pretreatment Budget: \$

Pass-Through/Interference Indicator:

Notification of IU Schedule for Remedial Measures:

Initial Response to Violation of IU Schedule for Remedial Measures:

**Annual Frequency**

Annual Frequency of Influent Toxicant Sampling:

Annual Frequency of Effluent Toxicant Sampling:

Annual Frequency of Sludge Toxicant Sampling: