



Form Approved  
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Washington, D.C. 20460

# NPDES Compliance Inspection Report

## Section A: National Data System Coding

Transaction Code	NPDES	yr/mo/day	Inspec. Type	Inspector	Fac Type
1 <b>N</b> 2 <b>5</b> 3 <b>A R 0 0 3 3 1 6</b> 11 12 <b>0 7 0 3 2 0</b> 17 18 <b>C</b> 19 <b>S</b> 20 <b>1</b>					
Remarks					
<b>A F I N 3 5 - 0 0 1 4 9 J e f f e r s o n C o .</b>					
Inspection Work Days	Facility Evaluation Rating	BI	QA	Reserved	
67 <b>0 0 1</b> 69	70 <b>3</b>	71 <b>N</b>	72 <b>N</b>	73	74 75

## Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number) <b>City of Pine Bluff Wastewater Utility Boyd Point Wastewater Treatment Facility East of Hwy. 79 North, south of the Arkansas River Pine Bluff, Arkansas (Jefferson County)</b>	Entry Time /Date <b>~9:30 a.m. 3/20/07</b>	Permit Effective Date <b>February 1, 2004</b>
	Exit Time/Date <b>~2:30 p.m. 3/20/07</b>	Permit Expiration Date <b>January 31, 2009</b>
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) <b>Vincent Miles, Laboratory Supervisor (870) 535-0828 (870) 535-6243 (Fax) Stacey Carpenter, Senior Lab Technician</b>	Other Facility Data <b>Trimble GPS Location recorded.</b>	
Name, Address of Responsible Official/Title/Phone and Fax Number <b>Johnson, Manager (870) 535-6603 Pine Bluff Wastewater Utilities 1520 South Ohio Street Pine Bluff, Arkansas 71601-6055</b>	Ken Contacted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

## Section C: Areas Evaluated During Inspection (S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

<b>S</b> Permit	<b>S</b> Flow Measurement	<b>S</b> Operations & Maintenance	<b>S</b> Sampling
<b>S</b> Records/Reports	<b>S</b> Self-Monitoring Program	<b>S</b> Sludge Handling/Disposal	<b>N</b> Pollution Prevention
<b>S</b> Facility Site Review	<b>N</b> Compliance Schedules	<b>N</b> Pretreatment	<b>N</b> Multimedia
<b>S</b> Effluent/Receiving Waters	<b>S</b> Laboratory	<b>N</b> Storm Water	<b>S</b> Other: Effluent Limits

## Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

***A routine inspection was conducted to determine compliance status with the Arkansas Water and Air Pollution Control Act, the federal Clean Water Act, and the regulations promulgated thereunder. The inspection revealed that the facility was in compliance with the applicable regulations at the time of inspection.***

Name(s) and Signature(s) of Inspector(s) <b>Steven L. Henderson</b>	Agency/Office/Telephone/Fax <b>ADEQ/ Stuttgart/ (870) 673-8846/ (870) 673-7236</b>	Date <b>March 22, 2007</b>
Signature of Reviewer	Agency/Office/Phone and Fax Numbers	Date

**SECTION A - PERMIT VERIFICATION**

PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS DETAILS:  S  M  U  NA (FURTHER EXPLANATION ATTACHED No)

- 1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE  Y  N  NA
- 2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES  Y  N  NA
- 3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT  Y  N  NA
- 4. ALL DISCHARGES ARE PERMITTED  Y  N  NA

**SECTION B - RECORDKEEPING AND REPORTING EVALUATION**

RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT. DETAILS:  S  M  U  NA (FURTHER EXPLANATION ATTACHED No)

- 1. ANALYTICAL RESULTS CONSISTENT WITH DATA REPORTED ON DMRs.  Y  N  NA
- 2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE.  S  M  U  NA
  - a) DATES, TIME(S) AND LOCATION(S) OF SAMPLING  Y  N  NA
  - b) NAME OF INDIVIDUAL PERFORMING SAMPLING  Y  N  NA
  - c) ANALYTICAL METHODS AND TECHNIQUES.  Y  N  NA
  - d) RESULTS OF ANALYSES AND CALIBRATIONS.  Y  N  NA
  - e) DATES AND TIMES OF ANALYSES.  Y  N  NA
  - f) NAME OF PERSON(S) PERFORMING ANALYSES.  Y  N  NA
- 3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE.  S  M  U  NA
- 4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR.  S  M  U  NE
- 5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA.  Y  N  NA

**SECTION C - OPERATIONS AND MAINTENANCE**

TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED. DETAILS:  S  M  U  NA (FURTHER EXPLANATION ATTACHED No)

- 1. TREATMENT UNITS PROPERLY OPERATED.  S  M  U  NA
- 2. TREATMENT UNITS PROPERLY MAINTAINED.  S  M  U  NA
- 3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED. **AP&L agreement**  S  M  U  NA
- 4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE.  S  M  U  NA
- 5. ALL NEEDED TREATMENT UNITS IN SERVICE.  S  M  U  NA
- 6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED.  S  M  U  NA
- 7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED.  S  M  U  NE
- 8. OPERATION AND MAINTENANCE MANUAL AVAILABLE.  Y  N  NA
- STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED.  Y  N  NA
- PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED.  Y  N  NE

**SECTION C - OPERATIONS AND MAINTENANCE (CONT'D)**

9. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR?  Y  N  NA  
 IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED?  Y  N  NA  
 HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS?  Y  N  NA
10. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT?  Y  N  NA  
 IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT?  Y  N  NA

**SECTION D - SAMPLING**

PERMITTEE Sampling MEETS PERMIT REQUIREMENTS.  S  M  U  NA (FURTHER EXPLANATION ATTACHED No ).  
 DETAILS:

1. SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT.  Y  N  NA
2. LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES.  Y  N  NA
3. FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT.  Y  N  NA
4. SAMPLING AND ANALYSES COMPLETED ON PARAMETERS SPECIFIED IN PERMIT.  Y  N  NA
5. SAMPLING AND ANALYSES PERFORMED AT FREQUENCY SPECIFIED IN PERMIT.  Y  N  NA
6. SAMPLE COLLECTION PROCEDURES ADEQUATE  Y  N  NA
- a) SAMPLES REFRIGERATED DURING COMPOSITING.  Y  N  NA
- b) PROPER PRESERVATION TECHNIQUES USED.  Y  N  NA
- c) CONTAINERS AND SAMPLE HOLDING TIMES CONFORM TO 40 CFR 136  Y  N  NA
7. IF MONITORING AND ANALYSES ARE PERFORMED MORE OFTEN THAN REQUIRED BY PERMIT, ARE THE RESULTS REPORTED IN PERMITTEE'S SELF-MONITORING REPORT?  Y  N  NA

**SECTION E - FLOW MEASUREMENT**

PERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS.  S  M  U  NA (FURTHER EXPLANATION ATTACHED No )  
 DETAILS:

1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED.  Y  N  NA  
 TYPE OF DEVICE 2' Parshall Flume
2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED.  Y  N  NA
3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED.  Y  N  NA
4. CALIBRATION FREQUENCY ADEQUATE. (DATE OF LAST CALIBRATION March 8, 2007)  
 RECORDS MAINTAINED OF CALIBRATION PROCEDURES.  Y  N  NA  
 CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE.  Y  N  NA
5. FLOW ENTERING DEVICE WELL DISTRIBUTED ACROSS THE CHANNEL AND FREE OF TURBULENCE.  Y  N  NA
6. HEAD MEASURED AT PROPER LOCATION.  Y  N  NA
7. FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGE OF FLOW RATES.  Y  N  NA

**SECTION F - LABORATORY**

PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS.  S  M  U  NA (FURTHER EXPLANATION ATTACHED No )  
 DETAILS:

1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(b) FOR SLUDGES)  Y  N  NA

**SECTION F - LABORATORY (CONT'D)**

- 2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED  Y  N  NA
- 3. SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT.  S  M  U  NA
- 4. QUALITY CONTROL PROCEDURES ADEQUATE.  S  M  U  NA
- 5. DUPLICATE SAMPLES ARE ANALYZED, 10 % OF THE TIME  Y  N  NA
- 6. SPIKED SAMPLES ARE ANALYZED, 10 % OF THE TIME.  Y  N  NA
- 7. COMMERCIAL LABORATORY USED.  Y  N  NA

LAB NAME Environmental Testing & Consulting, Inc.  
 LAB ADDRESS 2790 Whitten Road, Memphis, Tennessee 38133-4753  
 PARAMETERS PERFORMED Biomonitoring

**SECTION G - (EFFLUENT)/RECEIVING WATERS OBSERVATIONS.  S  M  U  NA (FURTHER EXPLANATION ATTACHED (No)).**

**Based on visual observations only.**

OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOAT SOL.	COLOR	OTHER
001	None	None	Slight	None	None	Lt. Green	None

Comments: **None**

**SECTION H - SLUDGE DISPOSAL**

- SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS.  S  M  U  NA (FURTHER EXPLANATION ATTACHED No).  
 DETAILS: **Lagoon System**
- 1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY.  S  M  U  NA
  - 2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503.  S  M  U  NA
  - 3. FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO:    (e.g., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE)

**SECTION I - SAMPLING INSPECTION PROCEDURES (FURTHER EXPLANATION ATTACHED No )**

- 1. SAMPLES OBTAINED THIS INSPECTION.  Y  N  NA
- 2. TYPE OF SAMPLE OBTAINED - **N/A**  
 GRAB    COMPOSITE    SAMPLE    METHOD    FREQUENCY
- 3. SAMPLES PRESERVED.  Y  N  NA
- 4. FLOW PROPORTIONED SAMPLES OBTAINED.  Y  N  NA
- 5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE.  Y  N  NA
- 6. SAMPLE REPRESENTATIVE OF VOLUME AND NATURE OF DISCHARGE.  Y  N  NA
- 7. SAMPLE SPLIT WITH PERMITTEE.  Y  N  NA
- 8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED.  Y  N  NA
- 9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT.  Y  N  NA

**FLOW CALCULATION SHEET**

Field Data: Date 3/20/07 Time ~11:30 a.m.

Head in Inches 17 = 1.4 feet

Type & Size of Primary Flow Measurement Device

2' Parshall Flume

Name & Model of Secondary Flow Measurement Device

Ultra Sonic Transmitter 3010

Recorded Flow at date & time listed above 8.53 MGD

Flows are calculated from flow charts taken from the ISCO Open Channel Flow Measurement Handbook-5th Edition

$$\% \text{ error} = \frac{(\text{recorded value} - \text{calculated value})}{\text{calculated value}} \times 100$$

$$\% \text{ error} = \frac{8.53 - 8.70}{8.70} \times 100$$

$$\% \text{ error} = -2.05$$

## DMR Calculation Check

Reporting Period: From 2007 02 01 To 2007 02 28  
 Year Month Day Year Month Day

Parameter Checked: Fecal Coliform

	Loading	Concentration	
	Mass	Monthly	
	Mo. Avg. -lbs/ day	Mo. Avg.-mg/l	7-day Avg. -mg/l
Reported Value:	NA	30	40
Calculated Value:	NA	30	40
Permit Value:	NA	1000	2000

If calculated value does not equal reported value, explain: *EQUAL*

# ADEQ

ARKANSAS  
Department of Environmental Quality

*March 28, 2007*

*Ken Johnson, Manager  
Pine Bluff Wastewater Utilities  
1520 South Ohio Street  
Pine Bluff, Arkansas 71601-6055*

*Re: AFIN: 35-00149      NPDES Permit No. AR0033316*

*Dear Mr. Johnson:*

*On March 20, 2007, I conducted a routine inspection of your facility in accordance with the provisions of the federal Clean Water Act, the Arkansas Water and Air Pollution Control Act and the regulations promulgated thereunder. This inspection revealed that you are in compliance with terms of your permit.*

*If I can be of any assistance, please contact me at (870) 673-8846.*

*Sincerely,*



*Steven L. Henderson  
District 6 Inspector  
Water Division*

*cc: NPDES Branch*