



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

Form Approved  
OMB No. 2040-0003  
Approval Expires 7-31-85

# NPDES Compliance Inspection Report

## Section A: National Data System Coding

Transaction Code	NPDES	yr/mo/day	Inspec. Type	Inspector	Fac Type
1 N 2 5 3 A R 0 0 2 1 9 0 3 11 12 0 6 1 1 2 8 17 18 C 19 S 20 1					
Remarks					
A F I N 1 9 - 0 0 0 7 1					
Inspection Work Days	Facility Evaluation Rating	BI	QA	Reserved	
67 0 0 1 69	70 3	71 N	72 N	73	74 75 80

## 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 Wynne WWTP</b> <i>1/4 mile South of city on Arkansas Hwy. 284 (turn south across from Hwy. Dept.) Section 24, T17N, R2E Cross County, Arkansas</i>	Entry Time /Date ~ 9:00 a.m. <b>November 28, 2006</b>	Permit Effective Date <b>September 1, 2002</b>
	Exit Time/Date ~11:55 a.m. <b>November 28, 2006</b>	Permit Expiration Date <b>August 31, 2007</b>
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) <b>Harrell Williams, Lab Technician 870-238-7574 or 870-238-5466</b> <b>Shannon McKnight, Class III Operator 870-238-7574</b>	Other Facility Data <b>Discharge Location:</b> <b>N 35 13' 22"</b> <b>W 90 49' 13"</b> <b>Trimble GPS location recorded.</b>	
Name, Address of Responsible Official/Title/Phone and Fax Number <b>O'Neal, Manager of Water Utilities</b> <b>City of Wynne</b> <b>121 Merriman Avenue</b> <b>Wynne, Arkansas 72396</b>	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)

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

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

*At the time of inspection, Discharge Monitoring Reports (DMR's) for the 3<sup>rd</sup> Quarter of 2006 were reviewed. The review revealed that the facility did not exceed the permitted parameter limits during this period. However, the following inadequacy was noted during the inspection: Effluent Flow Measurements are being taken prior to the Post Aeration Basin. The current NPDES Permit requires that flow measurements be taken after the final treatment unit. This is a repeat violation of the current NPDES permit. The City of Wynne will be allowed to continue measuring effluent flow at the current location until permit renewal. The current permit renewal application is due in March, 2007. At that time, the City will attempt to have wording changed in permit to allow for future effluent flow measurements to be taken prior to final treatment.*

Name(s) and Signature(s) of Inspector(s) Steven L. Henderson	Agency/Office/Telephone/Fax ADEQ/Stuttgart/870-673-8846/870-673-7236	Date November 29, 2006
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: *Discharge Monitoring Reports for the 3<sup>rd</sup> Quarter of 2006 were reviewed.*  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. *Contract Laboratory*  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.  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. *4 Class III*  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. *With the exception of flow measurement.*  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: *Flow measurements are being taken prior to the Post Aeration Basin.*

1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED.  Y  N  NA  
 TYPE OF DEVICE 9" 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 (May 6, 2006))  Y  N  NA  
 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 Sorrells Research Lab  
 LAB ADDRESS 8002 Stanton Road, Little Rock, Arkansas 72209  
 PARAMETERS PERFORMED CBOD, TSS, NH3-N, TRC, FCB, pH, Toxicity, & Biosolids

**SECTION G - (EFFLUENT)/RECEIVING WATERS OBSERVATIONS.**  S  M  U  NA (FURTHER EXPLANATION ATTACHED \_\_\_\_\_).

**Based on visual observations only.**

OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOAT SOL.	COLOR	OTHER
<i>001</i>	<i>None</i>	<i>None</i>	<i>None</i>	<i>None</i>	<i>None</i>	<i>Clear</i>	

Comments:

**SECTION H - SLUDGE DISPOSAL**

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

- 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: Agricultural (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 November 28, 2006 Time 10:30 a.m.

Head in Inches 6.00 = .687 or 1.100 MGD

Type & Size of Primary Flow Measurement Device

9' Parshall Flume

Name & Model of Secondary Flow Measurement Device

Inventron 9140

Recorded Flow at date & time listed above: 1.075 MGD

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

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

$$\% \text{ error} = \frac{1.075 - 1.100}{1.100} \times 100$$

$$\% \text{ error} = - 2.27 \%$$

Reporting Period: From 2006 10 01 To 2006 10 31  
Year Month Day Year Month Day

Parameter Checked: TSS

	<b>Loading Mass</b> Mo. Avg. -lbs/ day	<b>Concentration Monthly</b> Mo. Avg.-mg/l	7-day Avg. -mg/l
<b>Reported Value:</b>	<b>17.539</b>	<b>2.004</b>	<b>2.204</b>
<b>Calculated Value:</b>	<b>17.539</b>	<b>2.004</b>	<b>2.204</b>
<b>Permit Value:</b>	<b>345</b>	<b>15</b>	<b>23</b>

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

# ADEQ

ARKANSAS  
Department of Environmental Quality

December 6, 2006

Don O'Neal, Water Utilities Manager  
City of Wynne  
121 Merriman Avenue  
Wynne, Arkansas 72396

RE: AFIN: 19-00071

NPDES Permit No.: AR0021903

Dear Mr. O'Neal:

On November 28, 2006, I conducted a routine compliance inspection of the waste water treatment 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 the following violation:

**Effluent Flow Measurements are being taken prior to the Post Aeration Basin. The current NPDES Permit requires that flow measurements be taken after the final treatment unit. This is a repeat violation. Your current permit expires on August 31, 2007. The deadline for permit renewal is March 1, 2007. At this time, you should request a change in the permit conditions to allow for effluent flow to be measured prior to the post aeration basin.**

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

Sincerely,



Steven L. Henderson  
District 6 Field Inspector  
Water Division

cc: NPDES Enforcement Branch  
NPDES Permit Branch