



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

# NPDES Compliance Inspection Report

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

## 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</b>   <b>R</b>   <b>0</b>   <b>0</b>   <b>3</b>   <b>4</b>   <b>3</b>   <b>8</b>   <b>0</b>   11   12   <b>0</b>   <b>6</b>   <b>0</b>   <b>9</b>   <b>0</b>   <b>6</b>   17   18   <b>C</b>   19   <b>S</b>   20   <b>1</b>	Remarks											
Inspection Work Days					Facility Evaluation Rating	BI	QA	Reserved				
67   <b>0</b>   <b>0</b>   <b>1</b>   69	70   <b>3</b>	71   <b>N</b>	72   <b>N</b>	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 Stuttgart WWTP 10<sup>th</sup> Street Extension West Section 29, Township 3 South, Range 2 West Arkansas County, Arkansas</b>	Entry Time /Date ~ 8:30 a.m. 9/6/06	Permit Effective Date <b>February 1, 2004</b>
	Exit Time/Date ~ 3:30 p.m. 9/6/06	Permit Expiration Date <b>January 31, 2009</b>
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) <b>Danny Wilson, Head Wastewater Operator 870-673-1043 Office, 870-674-4819 Cell</b>	Other Facility Data	
Name, Address of Responsible Official/Title/Phone and Fax Number <b>Tommy Lawson, Water Utilities Manager 870-673-3246 City of Stuttgart P.O. Box 130 Stuttgart, Arkansas 72160</b>	Contacted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Trimble GPS Location recorded.</b>

## 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>U</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>S</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 the following inadequacies:**

- No documentation of the analysis time, on the Chain of Custody, for DO, pH, and Total Residual Chlorine.**
- No documentation of name and address of the contract laboratory on Discharge Monitoring Reports.**

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>September 7, 2006</b>
Signature of Reviewer <b>ddw</b>	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: *Name and address of contract laboratory is not listed on DMR.*  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 *analysis time of pH, DO, and TRC not listed on chain of custody*  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. *2 Class IV, 2 Class II, 1 Class I*  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 8' Rectangular Weir w/end contractions
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 ( 11/9/05 )  
 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 McClelland Consulting Laboratories  
 LAB ADDRESS 900 West Markham Street, Little Rock, Arkansas 72201  
 PARAMETERS PERFORMED CBOD5, TSS, NH3-N, DO, FCB, TRC, pH, Chronic Biomonitoring

**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:    (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: September 6, 2006 Time: 10:30 a.m.

Head in Inches 2.4 = .20

Type & Size of Primary Flow Measurement Device

8' Rectangular Weir w/end contractions

Name & Model of Secondary Flow Measurement Device

Greyline SLT 32

Recorded Flow at date & time listed above: 1.530 mgd

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

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

$$\% \text{ error} = \frac{1.530 - 1.532}{1.532} \times 100$$

$$\% \text{ error} = -0.13$$

**DMR Calculation Check**

Reporting Period: From 06 07 01 To 06 07 31  
Year Month Day Year Month Day

Parameter Checked: TSS

	Loading	Concentration	
	Mass	Monthly	7-day Avg. -mg/l
	Mo. Avg. -lbs/ day	Mo. Avg.-mg/l	
Reported Value:	24.5	2.03	3.18
Calculated Value:	24.5	2.03	3.18
Permit Value:	438	15	23

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

# ADEQ

ARKANSAS  
Department of Environmental Quality

September 7, 2006

Tommy Lawson, Manager  
Stuttgart Municipal Waterworks  
P.O. Box 130  
Stuttgart, Arkansas 72160

RE: AFIN: 01-00041            NPDES Permit No.: AR0034380

Dear Mr. Lawson:

On September 6, 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 violations:

- 1. No documentation of the analysis time, on the Chain of Custody, for DO, pH, and Total Residual Chlorine.**
- 2. No documentation of name and address of the contract laboratory on Discharge Monitoring Reports.**

The above items require your immediate attention. Please submit a written response to the NPDES Enforcement Section of this Department. This response should contain documentation describing the course of action taken to correct the items noted. This corrective action should be completed as soon as possible, and the written response is due by **September 29, 2006**.

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

Sincerely,



Steven L. Henderson  
District #6 Inspector  
Water Division

cc: NPDES Enforcement Branch  
NPDES Permit Branch