

January 28, 2010

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

RE: City of Stuttgart Wastewater Treatment System

AFIN: 01-00041 NPDES Permit No.: AR0034380

Dear Mr. Lawson:

On January 20, 2010, 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. At the time of inspection, the facility appeared to be in compliance with the applicable regulations.

If I can be of any assistance, please contact me at (870) 247-5155.

1. Honderson

Sincerely,

Steven L. Henderson District 6 Inspector

Water Division

Water Division Enforcement Branch cc:

Water Division Permits Branch

≎ EPA	Form Approved OMB No. 2040-0003				
VEFA					
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 Instruction Code 1 N 2 5 3 A R 0 0 3 4 3 8 0 11 12 1 0 0 1 2 0 17 18	cec. Type Inspector Fac. Type C 19 S 20 1				
A F I N 0 1 - 0 0 0 4 1					
Inspection Work Days Facility Evaluation Rating BI QA 71 N 72 N 73 74 75	Reserved				
Section B: Facility Data					
Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number) City of Stuttgart WWTP Entry Time/Date ~9:00 a.m. 1/20/10	Permit Effective Date September 1, 2009				
10th Street Extension West Section 29, Township 3 South, Range 2 West Arkansas County, Arkansas Exit Time/Date ~2:00 p.m. 1/20/10	Permit Expiration Date August 31, 2014				
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Danny Wilson, Head Wastewater Operator (870) 673-1043 Office (870) 774-4819 Cell Other Facility Data					
Name, Address of Responsible Official/Title/Phone and Fax Number Tommy Lawson, Water Utilities Manager (870) 673-3246 City of Stuttgart P.O. Box 130 Stuttgart, Arkansas 72160 Contacted Yes No					
Section C: Areas Evaluated During Inspection					
S Permit S Flow Measurement S Operations & Maintenance S	Sampling				
S Records/Reports S Self-Monitoring Program S Sludge Handling/Disposal S	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)					
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. At the time of inspection, the facility appeared to be in compliance with the applicable regulations.					
Name(s) and Signature(s) of Inspector(s) Agency/Office/Telephone/Fax ADEQ/ White Hall/ (870) 247-5155/ (870) 247-5185	Date January 28, 2010				
Signature of Reviewer Agency/Office/Phone and Fax Numbers	Date				

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SECTION A: PERMIT VERIFICATION	
PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS	☑S ☐M ☐U ☐NA ☐NE
DETAILS:	
1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE:	☑Y □N □NA □NE
2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES:	□Y □N ☑NA □NE
3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT:	☑y □n □na □ne
4. ALL DISCHARGES ARE PERMITTED:	☑y □n □na □ne
SECTION B: RECORDKEEPING AND REPORTING EVALUATION	
RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT	☑S ☐M ☐U ☐NA ☐NE
DETAILS:	
1. ANALYTICAL RESULTS CONSISTENT WITH DATA REPORTED ON DMRS:	☑Y □N □NA □NE
2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE:	⊠s □m □u □na □ne
a. DATES AND TIME(S) OF SAMPLING:	☑Y □N □NA □NE
b. EXACT LOCATION(S) OF SAMPLING:	☑y □n □na □ne
c. NAME OF INDIVIDUAL PERFORMING SAMPLING:	☑Y □N □NA □NE
d. ANALYTICAL METHODS AND TECHNIQUES:	☑Y □N □NA □NE
e. RESULTS OF CALIBRATIONS:	☑Y □N □NA □NE
f. RESULTS OF ANALYSES:	☑Y □N □NA □NE
g. DATES AND TIMES OF ANALYSES:	☑Y □N □NA □NE
h. NAME OF PERSON(S) PERFORMING ANALYSES:	☑Y □N □NA □NE
3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE:	☑s □m □u □na □ne
4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR:	⊠s □m □u □na □ne
5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA:	☑Y □N □NA □NE
SECTION C: OPERATIONS AND MAINTENANCE	
TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED	☑S □M □U □NA □NE
DETAILS:	
1. TREATMENT UNITS PROPERLY OPERATED:	⊠s □m □u □na □ne
2. TREATMENT UNITS PROPERLY MAINTAINED:	⊠s □m □u □na □ne
3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED:	⊠s □m □u □na □ne
4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE:	⊠s □m □u □na □ne
5. ALL NEEDED TREATMENT UNITS IN SERVICE:	⊠s □m □u □na □ne
6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED: 2 Class IV, 2 Class II, 1 Class 1	Øs □m □u □na □ne
7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED:	☑s □m □u □na □ne
8. OPERATION AND MAINTENANCE MANUAL AVAILABLE:	☑Y □N □NA □NE
9. STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED:	☑Y □N □NA □NE
10. PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED:	☑Y □N □NA □NE
11. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR:	□y Øn □na □ne
12. IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED:	□y □n ☑na □ne
13. HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS:	□y □n ☑na □ne
14. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT:	□y Øn □na □ne
15. IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT:	□y □n ☑na □ne

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S	ECTION D: SAMPLING	
Ы	ERMITTEE SAMPLING MEETS PERMIT REQUIREMENTS	☑S ☐M ☐U ☐NA ☐NE
DI	ETAILS:	
1.	SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT:	☑Y □N □NA □NE
2.	LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES:	⊠y □n □na □ne
3.	FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT:	☑y □n □na □ne
4.	SAMPLING AND ANALYSES COMPLETED ON PARAMETERS SPECIFIED IN PERMIT:	☑Y □N □NA □NE
5.	SAMPLING AND ANALYSES PERFORMED AT FREQUENCY SPECIFIED IN PERMIT:	☑Y □N □NA □NE
6.	SAMPLE COLLECTION PROCEDURES ADEQUATE:	☑Y □N □NA □NE
6	a. SAMPLES REFRIGERATED DURING COMPOSITING:	☑Y □N □NA □NE
ŀ	D. PROPER PRESERVATION TECHNIQUES USED:	☑y □n □na □ne
(c. CONTAINERS AND SAMPLE HOLDING TIMES CONFORM TO 40 CFR 136:	☑Y □N □NA □NE
7.	IF MONITORING IS PERFORMED MORE OFTEN THAN REQUIRED ARE RESULTS REPORTED ON THE DMR:	□y □n ☑na □ne
	ECTION E: FLOW MEASUREMENT	
	ERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS	☑S ☐M ☐U ☐NA ☐NE
	ETAILS:	
1.	PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED: TYPE OF DEVICE: 8' Rectangular We W/End Contractions	eir ✓Y □N □NA □NE
2.	FLOW MEASURED AT EACH OUTFALL AS REQUIRED:	ØY □N □NA □NE
3.	SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED:	Øy □n □na □ne
4.	CALIBRATION FREQUENCY ADEQUATE:	☑Y □N □NA □NE
5.	RECORDS MAINTAINED OF CALIBRATION PROCEDURES:	☑Y □N □NA □NE
6.	CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE:	☑y □n □na □ne
7.	FLOW ENTERING DEVICE WELL DISTRIBUTED ACROSS THE CHANNEL AND FREE OF TURBULENCE:	☑Y □N □NA □NE
8.	FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGE OF FLOW RATES:	Øy □n □na □ne
9.	HEAD MEASURED AT PROPER LOCATION:	☑Y □N □NA □NE
S	ECTION F: LABORATORY	
ΡI	ERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS	☑S □M □U □NA □NE
DI	ETAILS:	
1.	EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(B) FOR SLUDGES) :	⊠y □n □na □ne
2.	IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED:	□y □n ☑na □ne
3.	SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT:	☑Y □N □NA □NE
4.	QUALITY CONTROL PROCEDURES ADEQUATE:	☑Y □N □NA □NE
5.	DUPLICATE SAMPLES ARE ANALYZED ≥10% OF THE TIME:	☑Y □N □NA □NE
6.	SPIKED SAMPLES ARE ANALYZED ≥10% OF THE TIME:	☑Y □N □NA □NE
7.	COMMERCIAL LABORATORY USED:	☑y □n □na □ne
á	a. LAB NAME: Sorrells Research Laboratories	
ŀ	o. LAB ADDRESS: 8100 National Drive, Little Rock, Arkansas 72209	
(c. PARAMETERS PERFORMED: CBOD5, TSS, NH3-N, DO, FCB, TRC, pH, Chronic Biomonitoring	
8.	BIOMONITORING PROCEDURES ADEQUATE:	⊠y □n □na □ne
á	a. PROPER ORGANISMS USED:	☑y □n □na □ne
ŀ	p. PROPER DILUTION SERIES FOLLOWED:	☑Y □N □NA □NE
(c. PROPER TEST METHODS AND DURATION:	☑Y □N □NA □NE
(d. RETESTS AND/OR TRE PERFORMED AS REQUIRED:	⊠y □n □na □ne

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SECTION G: EFFLUENT/RECEIVING WATERS OBSERVATIONS BASED ON VISUAL OBSERVATIONS ONLY DETAILS: OUTFALL #: OIL SHEEN GREASE TURBIDITY VISIBLE FOAM FLOATING SOLIDS COLOR OTHER 001 None None None None None Clear SECTION H: SLUDGE DISPOSAL SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS DETAILS: 1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY: 2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503: 3. FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO: (E.G., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE):							
DETAILS: OUTFALL #: OIL SHEEN GREASE TURBIDITY VISIBLE FOAM FLOATING SOLIDS COLOR OTHER O01 None None None None None None Clear SECTION H: SLUDGE DISPOSAL SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS SIDETAILS: 1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY: 2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503:							
OUTFALL #: OIL SHEEN GREASE TURBIDITY VISIBLE FOAM FLOATING SOLIDS COLOR OTHER O01 None None None None None None Clear SECTION H: SLUDGE DISPOSAL SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS DETAILS: 1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY: 2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503:							
SECTION H: SLUDGE DISPOSAL SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS DETAILS: 1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY: 2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503:							
SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS DETAILS: 1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY: 2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503:							
SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS DETAILS: 1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY: 2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503:							
SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS DETAILS: 1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY: 2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503:							
SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS DETAILS: 1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY: 2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503:							
SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS DETAILS: 1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY: 2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503:							
SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS DETAILS: 1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY: 2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503:							
DETAILS: 1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY: 2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503: DETAILS: US DM DU DNA DNI DIS DM DU DNA DNI DNI DNA DNI DNI DNI DNI DNI DNI DNI DNI							
1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY: ☑S ☐M ☐U ☐NA ☐NI 2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503: ☐S ☐M ☐U ☐NA ☐NI							
3. FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO: (E.G., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE):							
SECTION I: SAMPLING INSPECTION PROCEDURES							
SAMPLE RESULTS WITHIN PERMIT REQUIREMENTS							
DETAILS:							
1. SAMPLES OBTAINED THIS INSPECTION:							
2. TYPE OF SAMPLE: GRAB: GCOMPOSITE: METHOD: FREQUENCY:							
3. SAMPLES PRESERVED:							
4. FLOW PROPORTIONED SAMPLES OBTAINED:							
5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE:							
6. SAMPLE REPRESENTATIVE OF VOLUME AND NATURE OF DISCHARGE:							
7. SAMPLE SPLIT WITH PERMITTEE:							
8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED:							
9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT:							
SECTION J: STORM WATER POLLUTION PREVENTION PLAN							
STORM WATER MANAGEMENT MEETS PERMIT REQUIREMENTS							
DETAILS: Non-exposure certification							
1. SWPPP UPDATED AS NEEDED: DATE OF LAST UPDATE:							
2. SITE MAP INCLUDING ALL DISCHARGES AND SURFACE WATERS:							
3. POLLUTION PREVENTION TEAM IDENTIFIED:							
4. POLLUTION PREVENTION TEAM PROPERLY TRAINED:							
5. LIST OF POTENTIAL POLLUTANT SOURCES:							
6. LIST OF POTENTIAL SOURCES AND PAST SPILLS AND LEAKS:							
7. ALL NON-STORM WATER DISCHARGES ARE AUTHORIZED:							
8. LIST OF STRUCTURAL BMPS:							
9. LIST OF NON-STRUCTURAL BMPS:							
10. BMPS PROPERLY OPERATED AND MAINTAINED:							
11. INSPECTIONS CONDUCTED AS REQUIRED:							

FLOW CALCULATION SHEET							
Date: 1/2	0/10 Ti	ime: 10:	30 a.m.				
	<u>'</u>	•	<u>'</u>				
Head in Inc	ches:	Feet:	.25				
			·				
	e of Primary Flow N			ce:			
8' Rectang	ular Weir W/End (Contracti	ions				
	odel of Secondary I	Flow Mea	surement	Devi	ce:		
Greyline S	LT 32						
D (()							
	t Calibration of Sec	ondary F	low Devic	<u>e:</u>			
December	•	- 1:-(1/	\				
	Flow at Date & Time	e Listed <i>F</i>	Above:				(Facility Flow Meter)
2.085 MGD		:ataal	Λ b a ν a ν				
	Flow at Date & Tim ted using flow charts in: IS			/oacure	ment Hand	book-5 th	Edition)
2.139 MGD	led doing now charts in. It	oco open ci	<u> </u>	ricasure	<u>ment rianu</u>	<u> </u>	<u>Laition</u>)
	Recorded Value	- Calc	culated Va	alue) / / O O		
% Error =		lated Valu			X 100		
	1						
0/	2.085	_	2.139		V 400		
% Error =		2.139			− X 100		
						•	
% Error =	-0.054	X 100					
76 E1101 =	2.139	X 100					
% Error =	-0.025	X 100					
% Error =	- 2.524	%					
Comments	:						

DMR Calculation Check

Reporting Period: From 2009 11 01 To 2009 11 30 Year Month Day Year Month Day

Parameter Checked: TSS

	Loading Mass	Concentration Monthly			
	Mo. Avg lbs/day	Mo. Avg mg/l	7-day Avg mg/l		
Reported Value:	81.46	6.58	14.4		
Calculated Value:	81.46	6.58	14.4		
Permit Value:	437.9	15	22.5		

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