



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 N 2 5 3 A R 0 0 3 3 9 8 7 11 12 0 7 0 5 2 2 17 18 C 19 S 20 1	Remarks											
Inspection Work Days					Facility Evaluation Rating	BI	QA	Reserved				
67 0 0 1 69	70 2	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) City of Dumas WWTP approximately 1/4 mile North of Hwy. 165 Section 25, Township 9 South, Range 4 West Desha County, Arkansas	Entry Time /Date ~ 8:30 a.m. 5/22/07	Permit Effective Date November 1, 2006
	Exit Time/Date ~ 11:50 a.m. 5/22/07	Permit Expiration Date October 31, 2011
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Patrick Fitzgerald, Operator, (870) 382-2121, (870) 382-6846	Other Facility Data	
Name, Address of Responsible Official/Title/Phone and Fax Number Marion Gill, Mayor (870) 382-2121 City of Dumas P.O. Box 157 Dumas, Arkansas 71639	Discharge Location: N 33 53' 33" W 91 27' 42" Trimble GPS Location recorded.	Contacted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

S	Permit	U	Flow Measurement	U	Operations & Maintenance	S	Sampling
U	Records/Reports	U	Self-Monitoring Program	N	Sludge Handling/Disposal	N	Pollution Prevention
S	Facility Site Review	N	Compliance Schedules	N	Pretreatment	N	Multimedia
U	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, the following inadequacies were noted:

- No documentation of calibration checks being conducted on the Totalizing Flow Meter to assure continued compliance.
- No documentation that the 30-day average percent removal for Biochemical Oxygen Demand or Carbonaceous Biochemical Oxygen Demand is at least eighty-five percent (85%).
- No documentation of the time, date, and person collecting the six-hour composite samples.
- Inadequate operation and maintenance of the wastewater treatment system. Specifically, the chorine contact chamber was full of algae growth and the effluent was very turbid and brown in color.
- Inadequate analytical data available for review for the month of March 2007.

Name(s) and Signature(s) of Inspector(s) Steven L. Henderson	Agency/Office/Telephone/Fax ADEQ/Stuttgart/870-673-8846/870-673-7236	Date May 22, 2007
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)
March 2007 analytical data unavailable for review. No documentation of date, time, and person conducting 6-hour composite sample.

- 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)
Heavy algae growth in chlorine contact chamber and effluent very turbid.

- 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. **1 Class II** 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: **No documentation of monthly calibration checks.**

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 (February 6, 2007)) 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 McClelland Consulting Engineers Arkansas Analytical, Inc.
 LAB ADDRESS 900 West Markham, Little Rock, Ark. 72201 11701 I-30, Bldg. 1, Suite 115
 PARAMETERS PERFORMED CBOD, BOD, TSS, NH3-N, DO, 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>Heavy</i>	<i>Slight</i>	<i>Moderate</i>	<i>Brown</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
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- 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 May 22, 2007 Time 10:35 a.m.

Head in Inches 6.0 = .55 = .687 MGD

Type & Size of Primary Flow Measurement Device

9" Parshall Flume

Name & Model of Secondary Flow Measurement Device

BFI Strip Chart Recorder

Recorded Flow at date & time listed above: .740 MGD

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

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

$$\% \text{ error} = \frac{.740 - .687}{.687} \times 100$$

$$\% \text{ error} = 7.71\%$$

DMR Calculation Check

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

Parameter Checked: BOD 5-Day

	Loading Mass Mo. Avg. -lbs/ day	Concentration Monthly Mo. Avg.-mg/l	7-day Avg. -mg/l
Reported Value:	212	29.5	38.5
Calculated Value:	212	29.5	38.5
Permit Value:	343	30	45

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

ADEQ

ARKANSAS
Department of Environmental Quality

May 23, 2007

The Honorable Marion Gill
Mayor, City of Dumas
P.O. Box 157
Dumas, Arkansas 71639

RE: AFIN: 21-00045

NPDES Permit No.: AR0033987

Dear Mayor Gill:

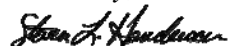
On May 22, 2007, I conducted a routine compliance inspection of the waste water treatment facility in accordance with the provisions of the federal Clean Water Act, the Arkansas Water and Air Pollution Control Act, and the regulations promulgated thereunder. This inspection revealed the following violations:

- 1. No documentation of calibration checks being conducted on the Totalizing Flow Meter to assure continued compliance.**
- 2. No documentation that the 30-day average percent removal for Biochemical Oxygen Demand or Carbonaceous Biochemical Oxygen Demand is at least eighty-five percent (85%).**
- 3. No documentation of the time, date, and person collecting the six-hour composite samples.**
- 4. Inadequate operation and maintenance of the wastewater treatment system. Specifically, the chlorine contact chamber was full of algae growth and the effluent was very turbid and brown in color.**
- 5. Inadequate analytical data available for review for the month of March 2007.**

The above items require your immediate attention. Please submit a written response to the Enforcement Section of this Department when the violations have been corrected. 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 **June 22, 2007**.

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

Sincerely,



Steven L. Henderson
District 6 Inspector
Water Division

cc: Enforcement Branch

Marion S. Gill
Mayor

Johnny Brigham
City Clerk

City of Dumas

P. O. Box 157
155 East Waterman
Dumas, AR 71639
Telephone (870)-382-2121
Fax (870) 382-6846
Email address dumas@centurytel.net

City Council
T. C. Pickett
Roy Dalton
James Jackson
Christopher Hays
Aaron White
Franklin Healey
Diane Fisher
Dwayne Snyder

- SL to Frank

POST

June 20, 2007

JUN 20 2007
MARKED

Arkansas Department Of Environmental Quality
NPDES Enforcement Branch
P.O. Box 8913
Little Rock, AR 72219

Re: City Of Dumas AFIN: 21-00045 NPDES Permit # AR0033987

To Whom It may Concern:

This letter is to address violations that were revealed during an inspection of our facility on May 22, 2007.

Item#1: There will be documented checks of the Flow Meter periodically, as required by the permit.

Item#2: The average percent removal for BOD and cBOD will be calculated by the lab and reported at the end of each month.

Item#3: A copy of this sheet will be kept on file and the lab will also receive a copy.

Item#4: Aeration adjustments will be made to help with the effluent quality.

Item#5: Data will be kept in bound folders that will be separated by month. This will include test results and the corresponding Chain of Custody. There will also be a copy of the percent removal calculation for the month and the composite sampling data.

Please feel free to contact me with any questions

Sincerely,



Marion S. Gill, Mayor
City of Dumas