



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 3 6 4 9 8 11 12 0 6 1 0 2 7 17 18 C 19 S 20 1	Remarks				
A F I N 6 3 - 0 0 0 6 3 S a l i n e C o u n t y					
Inspection Work Days	Facility Evaluation Rating	BI	QA	Reserved	
67 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) <u>City of Benton POTW</u> - located at the south end of Hazel Street in Benton, AR	Entry Time /Date 1245 on 10-27-06	Permit Effective Date 6-1-03
	Exit Time/Date 1525 on 10-27-04	Permit Expiration Date 5-30-08
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Gary Davis – Operator Class IV / (501)-776-5955 Angela Freeman - Chief Chemist / (501)-776-5955	Other Facility Data	
Name, Address of Responsible Official/Title/Phone and Fax Number Rick Holland - Mayor / (501)-776-5906 P.O. Box 607 Benton, AR 72018-0607	<p style="text-align: center;">Contacted _____</p> <p style="text-align: center;">Yes No x</p>	

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

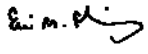
S	Permit	M	Flow Measurement	S	Operations & Maintenance	S	Sampling
S	Records/Reports	M	Self-Monitoring Program	S	Sludge Handling/Disposal	N	Pollution Prevention
S	Facility Site Review	S	Compliance Schedules	N	Pretreatment	N	Other:
S	Effluent/Receiving Waters	S	Laboratory	N	Storm Water	N	Other:

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

Section C - A fine screen barscreen was installed in July 2006.

Section E(4) – The Flow meter calibration frequency is inadequate. A flow calculation check revealed an error of -11.8%.

Section F(4) - Annual thermometer calibration checks have not been done in the past year.

Name(s) and Signature(s) of Inspector(s) Eric M. Fleming / 	Agency/Office/Telephone/Fax ADEQ / Little Rock / (501) - 682 -0659	Date 10-27-06
Signature of Management QA Reviewer	Agency/Office/Phone and Fax Numbers	Date

EPA Form 3560-3 (Rev. 9-94) Previous editions are obsolete.

SECTION A - PERMIT VERIFICATION

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

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. S M U NA (FURTHER EXPLANATION ATTACHED no)
 DETAILS:

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 NA

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. S M U NA (FURTHER EXPLANATION ATTACHED no)
 DETAILS:

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.) S M U NA

7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED. S M U NA

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 NA

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 136.3. 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 yes)
 DETAILS:

1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED. Y N NA
 TYPE OF DEVICE 36 inch 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 7-10-06) 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 American Interplex Corporation

LAB ADDRESS 8600 Kanis Road, Little Rock, AR 72204-5060

PARAMETERS PERFORMED Sludge analyses , Biomonitoring., Total Copper

SECTION G - EFFLUENT/RECEIVING WATERS OBSERVATION S M U NA (FURTHER EXPLANATION ATTACHED no).

OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOAT SOL.	COLOR	OTHER
001	none	none	trace	trace	none	trace grey	-

RECEIVING WATER OBSERVATIONS Appeared normal at this time.

SECTION H - SLUDGE DISPOSAL

SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS. S M U NA (FURTHER EXPLANATION ATTACHED no).

DETAILS:

Filter press to pelletizer to landfill. Land Application is also being utilized. Meets 503 Regulations

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: pasture land (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

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 MATURE 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

DMR Calculation Check

Reporting Period: from 06 09 01 to 06 09 31
 year month day year month day

Parameter Checked: TRC, mg/L

Quantity

Instantaneous Maximum

Reported Value: 0.03

Calculated Value: 0.03

Permit Value: 0.1

If calculated value does not equal reported value, explain:

same

Flow Calculation Sheet

Field Data: Date 10-27-06 Time 1256 hrs.

Head 0.86 feet

Type & Size of Flow Monitoring Device 36 inch Parshall flume

Name & Model of Flow Monitoring Device Eastech Badger - Vantage 2200

Recorded Flow at date & time listed above 5.4 MGD

Reference for Flow Calculations Isco Open Channel Flow Measurement Handbook

Calculations:

0.86 feet = 6.12 MGD

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

% error = $\frac{5.4 - 6.12}{6.12} \times 100$

% error = - 11.8 % error

ADEQ

ARKANSAS
Department of Environmental Quality

October 30, 2006

Honorable Rick Holland
Mayor, City of Benton
P.O. Box 607
Benton, AR 72018-0607

Re: AFIN: 63-00063

NPDES Permit No. AR0036498

Dear Mayor Holland:

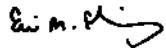
On October 27, 2006, I performed a routine compliance inspection of your wastewater treatment facility in accordance with the provisions of the federal Clean Water Act, the Arkansas Water and Air Pollution Control Act and the regulations promulgated thereunder. This inspection revealed the following violations:

1. The Flow meter calibration frequency is inadequate. A flow calculation check revealed an error of -11.8%. Your NPDES Permit requires you to maintain the percent error below 10 percent.
2. Annual thermometer calibration checks have not been done in the past year.

The aforementioned violations require your immediate attention. Please submit a written response to these findings to the NPDES Enforcement Section of this Department when the violations have been corrected. This response should contain documentation describing the course of action taken to correct each item noted. This corrective action should be completed as soon as possible and the written response is due by November 20, 2006.

If you have any questions concerning this inspection, please feel free to contact me at (501) 682-0659.

Sincerely,



Eric M. Fleming
Inspector
Water Division

CC: NPDES Enforcement Branch