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STATE OF ARKANSAS  
DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY

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LITTLE ROCK, ARKANSAS 72219-8913  
PHONE: (501) 682-0656  
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NPDES COMPLIANCE FILES

NPDES # 21466

- DMR'S
- NCR
- CORRESPONDENCE
- CRAS

May 19, 1997

RECEIVED  
MAY 20 1997  
115

Inspector ID # 75

The Honorable John Ballentine  
Mayor, City of Alma  
804 Fayetteville Avenue, Suite A  
Alma, AR 72921

Re: CSN; 17-0059 NPDES Permit No.: AR0021466

Dear Mayor Ballentine:

On April 29, 1997, I performed a routine compliance inspection of the Alma 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:

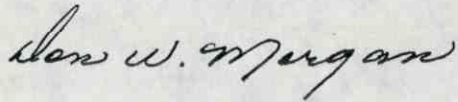
1. Maintenance schedules have not been set up for all major equipment involved in treatment of the wastewater. At this time, maintenance schedules have only been prepared for the lagoons aerators.
2. Manhole overflows are experienced in the POTW collection system due to I&I problems.
3. The effluent flow device has not been calibrated and serviced within the last year as required. This was last performed on 4/16/96.
4. During some rainfall events, the rectangular weir flow device floods and the totalizer reads at maximum. This situation makes required flow measurements impossible.

The above items 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 June 19, 1997. Violations of your NPDES permit are subject to enforcement actions by this Department. Appropriate measures should be taken to eliminate or prevent the recurrence of such violations in the future.

Page 2 - Alma CSI Inspection

If I can be any assistance, please contact me at 501-442-4802.

Sincerely,

A handwritten signature in cursive script that reads "Don W. Morgan".

Don W. Morgan  
District Field Inspector  
Water Division

DDW

cc: NPDES Branch





# 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									
N	2	5	3	A	R	0	0	2	1	4	6	6	11	12	9	7	0	4	2	9	17	18	S	19	S	20	1
Remarks																											
M a j o r M u n i c i p a l 9 2 - 5 0 0																											
Inspection Work Days						Facility Evaluation Rating						BI		QA		Reserved											
67						70						71		72		73											
						3						N		N													

## Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number)		Entry Time /Date 9:30 AM 4/29/97		Permit Effective Date 2/1/92	
City of Alma POTW Orrick St off Airport St. on East side of Alma. Alma, AR		Exit Time/Date 4:45 PM 4/29/97		Permit Expiration Date 9/30/97	
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Kevin Beaumont/Public Works Director/(501) 632-2267 N/A Tony Maxwell/Chief Operator/(501) 632-2267/ N/A				Other Facility Data	
Name, Address of Responsible Official/Title/Phone and Fax Number John Ballentine/Mayor 804 Fayetteville Avenue, Suite A Alma, AR 72921				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	M	Operations & Maintenance	N	CSO/SSO
M	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		Other:

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

Discharge monitoring reports for Jan, Feb, March 1997 and all related data were reviewed. No excursions of permit limits were noted.

Results of samples collected during the inspection are as follows:

BOD 14 mg/l  
Ph 6.96 Std Units  
TSS 24.5 mg/l  
Fecal Coliform 660 col/100 ml  
Bio Monitoring Unable To Analyze/Lab problem

Name(s) and Signature(s) of Inspector(s) Don W. Morgan <i>Don W. Morgan</i>	Agency/Office/Telephone/Fax ADPC&E/Fayetteville/(501) 442-4802/(501) 442-9001	Date 5/8/97
Signature of Management QA Reviewer	Agency/Office/Phone and Fax Numbers	Date

NPDES Compliance Inspection Report



1	2	3	4	5	6	7	8	9	10	11	12



1	2	3	4	5	6	7	8	9	10	11	12

Inspection Summary: The facility was inspected on [Date] and found to be in compliance with NPDES requirements. The following table summarizes the findings:

Item	Findings	Compliance Status
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		





**SECTION A - PERMIT VERIFICATION**PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS  
DETAILS: S  M  U  NA (FURTHER EXPLANATION ATTACHED Yes)

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 Yes)

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.  
DETAILS: S  M  U  NA (FURTHER EXPLANATION ATTACHED yes)

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 - SELF-MONITORING**

PERMITTEE SELF-MONITORING 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 Rectangular Weir with 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 4/16/97)  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. 17 % OF THE TIME.  Y  N  NA
6. SPIKED SAMPLES ARE ANALYZED.     % OF THE TIME.  Y  N  NA
7. COMMERCIAL LABORATORY USED.  Y  N  NA

LAB NAME Data TestingLAB ADDRESS 3434 Country Club, Fort Smith, AR 72903PARAMETERS PERFORMED BOD, TSS, Fecal Coliform**SECTION G - EFFLUENT/RECEIVING WATERS OBSERVATIONS.**  S  M  U  NA (FURTHER EXPLANATION ATTACHED No ).

OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOAT SOL.	COLOR	OTHER
001	None	None	Slight	Trace	None	V. Light Brown	

RECEIVING WATER OBSERVATIONS Not Observed**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. (No sludge has been removed/Lagoons and overland flow)  S  M  U  NA
3. FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO: N/A (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  (Fecal Coliform) COMPOSITE SAMPLE  METHOD Manual FREQUENCY 6 Hour
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 1997 March 1 To 1997 March 31  
Year Month Day Year Month Day

Parameter Checked: BOD

	<u>Quantity</u>		<u>7 Day Avg Max-Mg/l</u>
	<u>Min- Mg/L</u>	<u>Avg-Mg/L</u>	
Reported Value:	N/A	12.16	16.66
Calculated Value:	N/A	12.16	16.66
Permit Value:	N/A	30	45

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



Flow Calculation Sheet

Field Data: Date 4/29/97 Time 1400 hrs.

Head N/A Inches / Feet

Type & Size of Flow Monitoring Device: Rectangular Weir with End Contractions

Name & Model of Flow Monitoring Device : Stevens 61R

Monitoring Device Flow at date & time listed above: 1.44 MGD

Reference for Flow Calculations; N/A

Formula: N/A

Calculations: A rod marked off in MGD is used for the manual flow measurement by the POTW. The rod is lowered down to the water level and the MGD flow is read directly off the rod. The manual measurement flow was 1.42 MGD and the recorder flow was 1.44 MGD.

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

$$\% \text{ error} = \frac{1.44 \text{ MGD} - 1.42 \text{ MGD}}{1.42 \text{ MGD}} (100)$$

$$\% \text{ error} = 1.40 \%$$

NPDES Compliance Inspection Report  
Further Explanation

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Section A Part -

Detail 1

The mailing address has changed from that on the permit and the Department is aware of the change.

Page 2 of 4

Section B Part -

Detail 4

Maintenance schedules are only recorded for the lagoons aerators. There are no maintenance schedules for the other treatment equipment.

Page 3 of 4

Section C Part -

Detail 9

The POTW experiences manhole overflows from time to time due to I&I in the collection system. The overflows have not been eliminated as of this date.

Page 3 of 4

Section E Part -

Detail 4 and 7

4. The flow device has not been calibrated and serviced in the past year. Last completed on 4/16/97.
7. The rectangular weir flow device floods and the totalizer reads at maximum during significant rainfall events making flow measurements impossible.