



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

**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					Inspec. Type	Inspector	Fac Type
1   N   2   5   3	A   R   0   0   2   1   6   0   1	11   12   0   7   0   4   0   5	17   18   C	19   S	20   1													
Remarks																		
A   F   I   N :   7   3   -   0   0   0   5   5   W   h   i   t   e   C   o   u   n   t   y																		
Inspection Work Days				Facility Evaluation Rating				BI	QA	-----Reserved-----								
67       1   69	70   4	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) <b>Searcy WWTP</b> <b>206 N. Bypass Rd.</b> <b>Searcy, AR</b>	Entry Time /Date <b>1230 / 04/05/07</b>	Permit Effective Date <b>12/01/02</b>
	Exit Time/Date <b>1545 / 04/05/07</b>	Permit Expiration Date <b>11/30/07</b>
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) <b>Paul Abernathy / Superintendent / 501-268-1679</b> <b>Wallace Whitlow / Lab Technician /</b> <b>Jimmy Smith / Chief Operator /</b>	Other Facility Data	
Name, Address of Responsible Official/Title/Phone and Fax Number <b>Daniel Dawson, Assistant Manager</b> <b>Searcy Water and Sewer</b> <b>PO Box 1319</b> <b>Searcy, AR 72145-1319</b> <b>501-268-2481</b>	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	S	Flow Measurement	M	Operations & Maintenance	N	CSO/SSO
S	Records/Reports	S	Self-Monitoring Program	S	Sludge Handling/Disposal	N	Pollution Prevention
M	Facility Site Review	N	Compliance Schedules	N	Pretreatment	N	Multimedia
S	Effluent/Receiving Waters	S	Laboratory	N	Storm Water	N	Other:

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

Several live Willow trees were observed to be growing in the facility's equalization basin. It is advised that the facility remove these trees during their current drawdown of the equalization basin to insure that the structural integrity of the equalization basin's levees is not affected. This inspection was performed in response to a complaint that alleged the facility was discharging sewage into Gin Creek from a pump routed over the facility's levee. This complaint was found to be invalid. The discharge witnessed was from a permitted discharge of rainwater being held in an unused holding basin. The facility was found to be in somewhat of a cluttered state due to the construction of a new pump station and two new secondary circular clarifiers. The facility was also found to be experiencing problems with an influx of some type of wipes at the plants influent bar screen.

Name(s) and Signature(s) of Inspector(s) Zachary Watson	Agency/Office/Telephone/Fax ADEQ/Little Rock/501-682-0658/501-682-0910	Date 04/05/07
Sam Lackey		
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 \_\_)

- 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 \_\_)

- 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  N
  - 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  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: *Willow trees in facilities EQ Basin*  S  M  U  NA (FURTHER EXPLANATION ATTACHED \_\_)

- 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  NE
- 8. OPERATION AND MAINTENANCE MANUAL AVAILABLE.  Y  N  NA  
STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED.  
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 - SELF-MONITORING**

PERMITTEE SELF-MONITORING MEETS PERMIT REQUIREMENTS.  S  M  U  NA (FURTHER EXPLANATION ATTACHED \_\_).  
 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 \_\_ )  
 DETAILS:

1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED.  Y  N  NA  
 TYPE OF DEVICE 2 ft 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 \_\_ )  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 \_\_)  
 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  
LAB ADDRESS  
PARAMETERS PERFORMED

**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
001	none	none	none	slight	none	Light Green	

Comments:

**SECTION H - SLUDGE DISPOSAL**

SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS.  S  M  U  NA (FURTHER EXPLANATION ATTACHED \_\_\_).  
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: AGRI (e.g., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE)

**SECTION I - SAMPLING INSPECTION PROCEDURES** (FURTHER EXPLANATION ATTACHED \_\_\_).

- 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 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

**AR0021601**  
**DATE 04/05/07**  
**Attachment # 1**

## **FLOW CALCULATION SHEET**

Field Data: Date 04/05/07 Time 1345

Head = .75ft.

Type & Size of Primary Flow Measurement Device = 2 ft Parshall Flume  
Name & Model of Secondary Flow Measurement Device = Ultrasonic Flow meter

Recorded Flow at date & time listed above = **3.119**

*Flows are calculated from flow charts taken from the ISCO Open Channel Flow Measurement Handbook*

.75 ft. = 3.310 M.G.D./g.p.m.

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

% error =  $\frac{\mathbf{3.119} - \mathbf{3.310}}{\mathbf{3.310}} \times 100$

% error = -0.058 x 100 = - **5.8%**

## DMR Calculation Check

Reporting Period: From 2007 01 01 To 2007 01 31  
Year Month Day Year Month Day

Parameter Checked: BOD

	<b>Loading Mass Monthly Avg. (lbs/ day)</b>	<b>Concentration Monthly Avg.-Mg/l</b>	<b>7-day Avg- Mg/l</b>
<b>Reported Value:</b>	<b>710</b>	<b>16</b>	<b>32</b>
<b>Calculated Value:</b>	<b>710</b>	<b>16</b>	<b>32</b>
<b>Permit Value:</b>	<b>1877</b>	<b>45</b>	<b>67.5</b>

If calculated value does not equal reported value, explain:

# ADEQ

ARKANSAS  
Department of Environmental Quality

April 9, 2007

Dan Dawson  
Searcy Board of Public Utilities  
P.O. Box 1319  
Searcy, AR 72145-1319

Re: AFIN No.: 73-00055                      NPDES Permit No.: AR0021601

Dear Mr. Dawson:

On April 5, 2007, Inspector Sam Lackey and I conducted a compliance evaluation inspection of your 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 was performed in response to a complaint that alleged your facility was bypassing your treatment facility and discharging sewage into Gin Creek. This complaint was found to be invalid and the inspection revealed the following violation:

Several live Willow trees were found to be growing in your facility's equalization basin. It is advised that the facility remove these trees during their current drawdown of the equalization basin to insure the structural integrity of the equalization basin's levees and/or clay liner.

The above item requires your immediate attention. Please submit a written response to these findings to the NPDES Enforcement Section of this Department when the violation has been corrected. This response should contain documentation describing the course of action taken to correct the item noted. This corrective action should be completed as soon as possible and the written response is due by **April 30, 2007**.

If I can be of any assistance, please contact me at (501)-682-0658.

Sincerely,




Zachary Watson  
District Field Inspector  
Water Division

cc: NPDES Enforcement Section  
NPDES Permits Branch

WATER DIVISION

**Arkansas Department of Environmental Quality (ADEQ)  
Official Photograph Sheet**

<b>Location:</b>	Searcy WWTP							
<b>Photographer:</b>	Zachary Watson				<b>Witness:</b>	Sam Lackey		
<b>Photo #</b>	1	<b>Of</b>	2		<b>Date:</b>	04/05/07	<b>Time:</b>	
<b>Description:</b>	Willows in EQ Basin							
								
<b>Photographer:</b>	Zachary Watson				<b>Witness:</b>	Sam Lackey		
<b>Photo #</b>	2	<b>Of</b>	2		<b>Date:</b>	04/05/07	<b>Time:</b>	
<b>Description:</b>	Wipes at influent bar screen							
		