



A R K A N S A S
Department of Environmental Quality

June 14, 2011

Dan Dawson, Manager
City of Searcy
Searcy Water and Sewer System
PO Box 1319
Searcy, AR 72145

AFIN: 73-00055

NPDES Permit No.: AR0021601
No Exposure: ARR00C389

Dear Mr. Dawson:

On June 7, 2011, I performed 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:

AR0021601

Violations of Proper Operations and Maintenance Part II Section B.1.a:

1. Heavy algae were observed on weirs of secondary clarifier in several locations. In other areas of the same clarifier the weir brushes seemed to be working fine at keeping the algae down. See picture 8.
2. Excessive vegetation could be seen in the sludge return aeration basin. See picture 4.
3. Vegetation growing on wall of anoxic zone. See picture 7.
4. Willow tree growing out of back-up primary settling trough. See picture 1.
5. Grates are aging and becoming dangerous to walk on. See picture 2.
6. Door to sulfur dioxide room is corroded. See pictures 9 and 10.
7. Corrosion of an electrical housing unit. See picture 5.
8. Tubing needs to be changed at the composite sampler. See picture 11.

NOTE: The permit states that grab samples will be collected at Outfall 001. However, Outfall 001 is periodically under water. When this occurs, grab samples are collected at the composite sample station. This sample location is considered representative of the effluent. To avoid paying for a major permit modification, you may continue to collect the grab samples at the composite sampler only when 001 is underwater. When your permit is up for renewal you may want to request a change to the sampling location so all samples can be collected at the current composite sampling location.

ARR00C389

While the items exposed to stormwater have been greatly reduced since the last inspection, there was a truck bed trailer containing the portable diesel fuel exposed. If you intend on keeping the no exposure certification, it is important that all plant staff is aware of what the no exposure certification means and that nothing is exposed to stormwater that will not be returned to the head of the plant.

The above items require your immediate attention. Please submit a written response to these findings to the Water Division Enforcement Branch of this Department to the address at the bottom of the page. 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 24, 2011.

If I can be any assistance, please contact me at stoker@adeq.state.ar.us or 501-682-0657.

Sincerely,



Lindsay Stoker
District 9 Field Inspector
Water Division

cc: Water Division Enforcement Branch
Water Division Permits Branch



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 2 1 6 0 1 11 12 1 1 0 6 0 7 17 18 C 19 S 20 1					
Remarks					
W H I T E C O U N T Y					
Inspection Work Days	Facility Evaluation Rating	BI	QA	-----Reserved-----	
67 69	70 3	71 N	72 N	73	74 75 80

Section B: Facility Data

Name and Location of Facility Inspected (<i>For industrial users discharging to POTW, also include POTW name and NPDES permit number</i>) City of Searcy - 260 North Bypass Rd, Searcy, AR	Entry Time/Date 9:50 on 6/7/2011	Permit Effective Date 2/1/2008
	Exit Time/Date 1:45 on 6/7/2011	Permit Expiration Date 1/31/2013
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Paul Abernathy, Plant Manager and Wallace Whitlow, Lab Technician	Other Facility Data	
Name, Address of Responsible Official/Title/Phone and Fax Number Dan Dawson City of Searcy Searcy Water and Sewer System PO Box 1319 Searcy, AR 72145 (501) 268-2481	Contacted Yes <input checked="" type="checkbox"/> No <input 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	S	Sampling
S	Records/Reports	S	Self-Monitoring Program	S	Sludge Handling/Disposal	S	Pollution Prevention
M	Facility Site Review	N	Compliance Schedules	N	Pretreatment	S	Multimedia
S	Effluent/Receiving Waters	S	Laboratory	M	Storm Water		Other:

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

- Violations of Proper Operations and Maintenance Section C.2:**
- Algae on weirs of secondary clarifier.
 - Excessive vegetation in the sludge return aeration basin.
 - Vegetation growing on wall of anoxic zone.
 - Willow tree growing out of back-up primary settling trough.
 - Grates are aging and becoming dangerous to walk on.
 - Door to sulfur dioxide room is corroded.
 - Corrosion of an electrical housing unit.
 - Tubing needs to be changed at the composite sampler.

Name(s) and Signature(s) of Inspector(s) Lindsay Stoker	Agency/Office/Telephone/Fax ADEQ/ North Little Rock/ 501-682-0657/ 501 682-0910 (Fax)	Date 6/7/2011
Signature of Reviewer	Agency/Office/Phone and Fax Numbers	Date

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

SECTION D: SAMPLING

PERMITTEE SAMPLING MEETS PERMIT REQUIREMENTS S M U NA NE

DETAILS: grab samples collected at composite sampler when 001 is underwater. Change in sampling location noted

- 1. SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT: permit specifies Outfall 001, but it is frequently underwater. 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
 - a. SAMPLES REFRIGERATED DURING COMPOSITING: Y N NA NE
 - b. 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

SECTION E: FLOW MEASUREMENT

PERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS S M U NA NE

DETAILS:

- 1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED: TYPE OF DEVICE: 2ft parshall flume Y N NA NE
- 2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED: Y N NA NE
- 3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED: siemens xrs-5 Y 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: Y N NA NE
- 9. HEAD MEASURED AT PROPER LOCATION: Y N NA NE

SECTION F: LABORATORY

PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS S M U NA NE

DETAILS:

- 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
 - a. LAB NAME: American Interplex
 - b. LAB ADDRESS:
 - c. PARAMETERS PERFORMED: Biomonitoring
- 8. BIOMONITORING PROCEDURES ADEQUATE: Y N NA NE
 - a. PROPER ORGANISMS USED: Y N NA NE
 - b. 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

SECTION G: EFFLUENT/RECEIVING WATERS OBSERVATIONS							
BASED ON VISUAL OBSERVATIONS ONLY						<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE	
DETAILS: <u>after final treatment not at 001 because it is underwater</u>							
OUTFALL #:	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOATING SOLIDS	COLOR	OTHER
See above	No	No	No	No	No	Light green	
SECTION H: SLUDGE DISPOSAL							
SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS						<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE	
DETAILS:							
1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY:						<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE	
2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503:						<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE	
3. FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO: (E.G., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE):							
<u>Dried sludge sent to American Composting and wet waste land applied via permit with Terra Renewal Systems</u>							
SECTION I: SAMPLING INSPECTION PROCEDURES							
SAMPLE RESULTS WITHIN PERMIT REQUIREMENTS						<input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE	
DETAILS:							
1. SAMPLES OBTAINED THIS INSPECTION:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
2. TYPE OF SAMPLE: <input type="checkbox"/> GRAB:___ <input type="checkbox"/> COMPOSITE:___ METHOD:___ FREQUENCY:___							
3. SAMPLES PRESERVED:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
4. FLOW PROPORTIONED SAMPLES OBTAINED:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
6. SAMPLE REPRESENTATIVE OF VOLUME AND NATURE OF DISCHARGE:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
7. SAMPLE SPLIT WITH PERMITTEE:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
SECTION J: STORM WATER POLLUTION PREVENTION PLAN							
STORM WATER MANAGEMENT MEETS PERMIT REQUIREMENTS						<input type="checkbox"/> S <input type="checkbox"/> M <input checked="" type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE	
DETAILS: <u>no-exposure certification – see inspection report for ARR00C389</u>							
1. SWPPP UPDATED AS NEEDED:___ DATE OF LAST UPDATE:___						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
2. SITE MAP INCLUDING ALL DISCHARGES AND SURFACE WATERS:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
3. POLLUTION PREVENTION TEAM IDENTIFIED:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
4. POLLUTION PREVENTION TEAM PROPERLY TRAINED:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
5. LIST OF POTENTIAL POLLUTANT SOURCES:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
6. LIST OF POTENTIAL SOURCES AND PAST SPILLS AND LEAKS:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
7. ALL NON-STORM WATER DISCHARGES ARE AUTHORIZED:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
8. LIST OF STRUCTURAL BMPS:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
9. LIST OF NON-STRUCTURAL BMPS:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
10. BMPS PROPERLY OPERATED AND MAINTAINED:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	
11. INSPECTIONS CONDUCTED AS REQUIRED:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE	

FLOW CALCULATION SHEET

Date: 6/7/2011 Time: 11:15Head in Inches: 10.5 Feet: .88Type & Size of Primary Flow Measurement Device:
2 ft Parshall FlumeName & Model of Secondary Flow Measurement Device:
Ultrasonic Siemens xrs-5Recorded Flow at Date & Time Listed Above: 4.47 (Facility Flow Meter)Calculated Flow at Date & Time Listed Above: 4.241
(Flow is calculated using flow charts in: ISCO Open Channel Flow Measurement Handbook-5th Edition)

$$\% \text{ Error} = \frac{\text{Recorded Value} - \text{Calculated Value}}{\text{Calculated Value}} \times 100$$

$$\% \text{ Error} = \frac{4.47 - 4.241}{4.241} \times 100$$

$$\% \text{ Error} = \frac{.229}{4.241} \times 100$$

$$\% \text{ Error} = \frac{.054}{4.241} \times 100$$

$$\% \text{ Error} = \frac{5.4}{100} \%$$

Comments: **Within +/- 10%**

DMR Calculation Check

Reporting Period: From 11 04 01 To 11 04 30
 Year Month Day Year Month Day

Parameter Checked: Fecal coliform

	Concentration	
	Monthly-geo mean	
	Mo. Avg. - #/100mL	7-day Avg. - #/100mL
Reported Value:	<u>37</u>	<u>96</u>
Calculated Value:	<u>37</u>	<u>96</u>
Permit Value:	<u>200</u>	<u>400</u>

If calculated value does not equal reported value, explain:



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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460

NPDES Compliance Inspection Report

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1 N 2 5 3 A R R 0 0 C 3 8 9 11 12 1 1 0 6 0 7 17 18 W 19 S 20 1					
Remarks					
A F I N 7 3 - 0 0 0 5 5					
Inspection Work Days	Facility Evaluation Rating	BI	QA	-----Reserved-----	
67 69	70 N	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 Searcy- 260 North Bypass Rd, Searcy, AR	Entry Time/Date 9:50 on 6/7/2011	Permit Effective Date 2/1/2008
	Exit Time/Date 1:45 on 6/7/2011	Permit Expiration Date 1/31/2013
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Paul Abernathy, Plant Manager	Other Facility Data	
Name, Address of Responsible Official/Title/Phone and Fax Number Dan Dawson City of Searcy Searcy Water and Sewer System PO Box 1319 Searcy, AR 72145 (501) 268-2481	Contacted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Section C: Areas Evaluated During Inspection

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

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

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

- While the items exposed to stormwater have been greatly reduced, there was a truck bed trailer containing the portable diesel fuel exposed. It is important that all plant staff is aware of what the no exposure certification means.

Name(s) and Signature(s) of Inspector(s) Lindsay Stoker	Agency/Office/Telephone/Fax ADEQ/5301 Northshore Dr/North Little Rock, AR 72118	Date 6/7/11
Signature of Reviewer	Agency/Office/Phone and Fax Numbers	Date

No Exposure Exclusion Verification

Are any of the following materials or activities exposed to precipitation, now or in the foreseeable future?
Answering "Yes" to any of these questions indicates the facility is not eligible for the No Exposure Exclusion.

a. Using, storing, or cleaning industrial machinery or equipment, and areas where residuals from using, storing, or cleaning industrial machinery or equipment remain and are exposed to storm water.	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Comments:		
b. Are materials or residuals on the ground or in storm water inlets from spills/leaks.	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Comments:		
c. Are materials or products from past industrial activity exposed.	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Comments:		
d. Is material handling equipment exposed (except adequately maintained vehicles).	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Comments:		
e. Are materials or products during loading/unloading or transporting activities exposed.	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Comments:		
f. Materials or products stored outdoors (except final products intended for outside use [e.g., new cars] where exposure to storm water does not result in the discharge of pollutants).	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Comments:		
g. Materials contained in open, deteriorated, or leaking storage drums, barrels, tanks, and similar containers.	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Comments:		
h. Materials or products handled/stored on roads or railways owned or maintained by the discharger.	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Comments:		
i. Waste materials exposed (except waste in covered, non-leaking containers [e.g., dumpsters]).	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Comments:		
j. Application or disposal of process wastewater (unless otherwise permitted).	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Comments:		
k. Particulate matter or visible deposits of residuals from roof stacks and/or vents not otherwise regulated (i.e., under an air quality control permit) and evident in the storm water outflow.	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Comments:		

General Comments:

While the POTW has improved greatly in regards to not exposing items to stormwater, there was still an issue. Where the dumpster was previously located is now where a rusted truck bed trailer holds the portable diesel tank.

Photographic Evidence Sheet

Photographic Evidence Sheet

Location:	City of Searcy							
Photographer:	Lindsay Stoker				Witness:	None		
Photo #	1	Of	11		Date:	6/7/2011	Time:	10:14 am
Description:	Tree growing out of the backup primary settling trough.							



Photographer:	Lindsay Stoker				Witness:	None		
Photo #	2	Of	11		Date:	6/7/2011	Time:	10:15 am
Description:	Concern was expressed over the age and <u>safety</u> of the grates. (Poorly fitted)							



Photographic Evidence Sheet

Location:		City of Searcy						
Photographer:		Lindsay Stoker			Witness:		None	
Photo #	3	Of	11	Date:		6/7/2011	Time:	10:16 am
Description:		Be aware that bar screen waste sometimes leave the area and accumulates on the ground.						



Photographer:		Lindsay Stoker			Witness:		None	
Photo #	4	Of	11	Date:		6/7/2011	Time:	10:26 am
Description:		Heavy vegetation on sludge aeration pond.						



Photographic Evidence Sheet

Location:	City of Searcy						
Photographer:	Lindsay Stoker			Witness:	None		
Photo #	5	Of	11	Date:	6/7/2011	Time:	10:36 am
Description:	Electrical housing box badly corroded.						



Photographer:	Lindsay Stoker			Witness:	None		
Photo #	6	Of	11	Date:	6/7/2011	Time:	10:37 am
Description:	Trailer holding portable diesel fuel is exposed to stormwater.						



Photographic Evidence Sheet

Location:		City of Searcy							
Photographer:			Lindsay Stoker			Witness:		None	
Photo #	7	Of	11			Date:	6/7/2011	Time:	10:41 am
Description:		Vegetation growing on wall of anoxic zone.							



Photographer:		Lindsay Stoker			Witness:		None		
Photo #	8	Of	11			Date:	6/7/2011	Time:	10:45 am
Description:		Excessive algae on weirs in final clarifier.							



Photographic Evidence Sheet

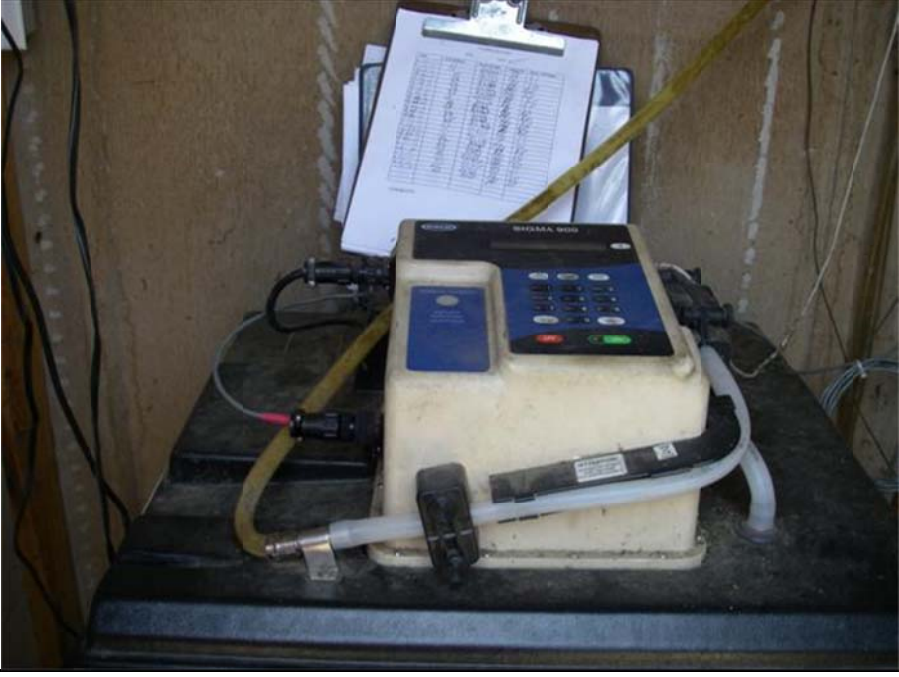
Location:	City of Searcy						
Photographer:	Lindsay Stoker			Witness:	None		
Photo #	9	Of	11	Date:	6/7/2011	Time:	10:51 am
Description:	Corrosion at the base of the door of the room housing sulfur dioxide. See picture 10.						



Photographer:	Lindsay Stoker			Witness:	None		
Photo #	10	Of	11	Date:	6/7/2011	Time:	10:51 am
Description:	Door of Sulfur Dioxide room has corroded at the bottom. See picture 9.						



Photographic Evidence Sheet

Location:	City of Searcy						
Photographer:	Lindsay Stoker				Witness:	None	
Photo #	11	Of	11	Date:	6/7/2011	Time:	11:06 am
Description:	Hose in composite sampler needs to be changed.						
							

MEL SANSOM
STEVE LIGHTLE

ROGER VAUGHAN
CHAIR OF THE BOARD

DONNIE MILLER
REYNIE RUTLEDGE

SEARCY WATER AND SEWER SYSTEM

300 NORTH ELM STREET

P.O. BOX 1319

SEARCY, ARKANSAS

72145-1319

DANIEL K. DAWSON, MANAGER

June 22, 2011

CERTIFIED MAIL, Return Receipt Requested: 7009 0820 0002 0667 0201

Water Division Enforcement Branch
ADEQ
5301 Northshore Dr.
North Little Rock, AR 72118-5317

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

No Exposure Exclusion: ARR00C389

To whom it may concern:

We are in receipt of the inspection report written by Lindsay Stoker regarding inspections made by her and Dennis Benson on June 7, 2011. We have the following responses to the items noted in her report:

1. *Algae growth on secondary weirs.* While algae is removed by the use of brushes on the drive mechanism, it is also chemically treated with a dilute chlorine solution. A more even flow of chlorine solution at the weirs should correct the problem, and our consulting engineers are currently working on a new booster pump to correct the situation.
2. *Vegetation on aerator wires in sludge basin (lagoon).* Our maintenance personnel have scheduled the removal of this weed growth.
3. *Vegetation on wall of anoxic zone.* All 4 anoxic basins are scheduled to be pumped down for cleaning and repair this summer, and in fact, the work has already begun this week.
4. *Willow backup in primary settling basin.* A mild herbicide will be used on this sprout to prevent re-growth of this persistent plant.
5. *Grates.* The utility Safety Officer has been notified of this situation and the situation will be corrected.

6. *Rusty sulfur dioxide door.* The corroded door to the sulfur dioxide room has been scheduled to be replaced.

7. *Rusty metal housing on electrical controls at sludge lagoons.* The corroded electrical housings have been scheduled for a paint job this summer.

8. *Composite sampler tubing.* Staff responsible for the scheduled tubing cleaning and replacement have been notified that they have failed to meet the schedule in a timely manner. The hose has been replaced.

ARR00C389. The exposed truck bed trailer will be moved to our warehouse location where equipment such as this is supposed to be stored, anyway.

We hope these responses adequately address the concerns noted. Please let me know if there is any additional information needed pertaining to these matters.

Sincerely,

SEARCY WATER AND SEWER SYSTEM



Daniel K. Dawson
General Manager

SEARCY WATER AND SEWER SYSTEM

300 NORTH ELM STREET

P.O. BOX 1319

SEARCY, ARKANSAS 72145-1319

CERTIFIED MAIL™

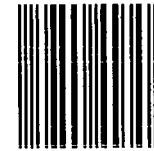


7009 0820 0002 0667 0201



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72143
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Water Division Enforcement Branch
ADEQ
5301 Northshore Dr.
North Little Rock, AR 72118-5317

721185317 R015



ADEQ

ARKANSAS
Department of Environmental Quality

July 20, 2011

Dan Dawson
City of Searcy
Searcy Water and Sewer System
P.O. Box 1319
Searcy, AR 72145

RE: NPDES Permit No.: AR0021601, ARR00C389, AFIN: 73-00055
Response to Inspection

Dear Mr. Dawson:

The Department has received the response to the June 7, 2011 inspection of the Searcy Water and Sewer System's wastewater treatment facility by District Field Inspector Lindsay Stoker. While the Department certainly appreciates the city's efforts to correct the violations cited in the inspection, the response has been deemed inadequate.

The Department requests that the Searcy Water and Sewer System submit written certification that the action taken to correct the violations cited during the June 7, 2011 inspection are complete. Please submit this written certification by August 2, 2011. A copy of the inspection report has been included with this letter for your convenience.

Thank you for your attention to this matter. Should you have any questions, feel free to contact me at 501-682-0635 or you may e-mail me at anderson@adeq.state.ar.us.

Sincerely,



Alan Anderson
Enforcement Analyst
Water Division Enforcement Section

MEL SANSOM
STEVE LIGHTLE

ROGER VAUGHAN
CHAIR OF THE BOARD

AKM4
DONNIE MILLER
REYNIIE RUTLEDGE

SEARCY WATER AND SEWER SYSTEM

300 NORTH ELM STREET

P.O. BOX 1319

SEARCY, ARKANSAS

72145-1319

DANIEL K. DAWSON, MANAGER

July 29, 2011

CERTIFIED MAIL, Return Receipt Requested: 7009 0820 0002 0667 0089

Mr. Alan Anderson
Water Division Enforcement Branch
ADEQ
5301 Northshore Dr.
North Little Rock, AR 72118-5317

Re: NPDES Permit No. AR0021601
AFIN: 73-00055
No Exposure Exclusion: ARR00C389

Dear Mr. Anderson:

We regret that our inspection response dated June 22, 2011, was deemed "inadequate." Please find enclosed further information and documentation that we hope will clarify our intent to address these matters.

1. *Algae growth on secondary weirs.* While algae is removed by the use of brushes on the drive mechanism, it is also chemically treated with a dilute chlorine solution. A more even flow of chlorine solution at the weirs should correct the problem, and our consulting engineers are currently working on a new booster pump to correct the situation. Please see enclosed copy of an email from Garver Engineers that documents their involvement in this.
2. *Vegetation on aerator wires in sludge basin (lagoon).* After marginal performance with spraying of the weeds we have decided that replacement of the cables will be necessary to accomplish this task. See enclosed pictures of the weeds after being sprayed, as well as pictures of the cable we purchased as replacement. We have ordered a new small utility tractor (see enclosed copy of PO) to run a more powerful PTO powered sprayer and will soon have the ability to better control the weed problems in this lagoon.
3. *Vegetation on wall of anoxic zone.* The weeds in all four basins have been sprayed, and two of the four tanks have been pumped down and worked on (replacing aerator heads) so far this

summer. Work in the remaining two tanks is scheduled for next week and the week after. See enclosed photo of one of the completed tanks.

4. *Willow backup in primary settling basin.* A mild herbicide has been used on this willow and it is killed (see enclosed photo).

5. *Grates.* The grating has been received and is on the maintenance list. See enclosed photo of new gratings to be installed.

6. *Rusty sulfur dioxide door.* We have received bids on the doors and have ordered the replacement (see enclosed copy of quote and PO).

7. *Rusty metal housing on electrical controls at sludge lagoons.* The corroded electrical housings have been painted (see photos).

8. *Composite sampler tubing.* The dirty tubing has been replaced. Responsible individuals have been notified that they will be reprimanded if there are any further problems with the dirty tubing.

ARR00C389. The fuel trailer was on site with the mowing crew and was taken back with them when they finished the job. They have been notified not to bring it with them when they mow again.

We hope these responses adequately address the concerns noted. Please let me know if there is any additional information needed pertaining to these matters.

Sincerely,

SEARCY WATER AND SEWER SYSTEM



Daniel K. Dawson
General Manager



Picture of secondary weirs with better chlorine flow. With the addition of a booster pump Garver is working on, all the weirs should get an even dose of chlorinated water.

Turbine Booster Pump for the Chlorination and Dechlorination Systems for the Searcy WWTP

From: **Gates, Sam, J** (SJGates@GarverUSA.com)
Sent: Wed 7/27/11 12:24 PM
To: Paul Abernathy (pabernathy1@hotmail.com) (pabernathy1@hotmail.com)

Paul:

Searcy Public Utilities has secured the services Garver, LLC to investigate the turbine pump utilized for chlorination and dechlorination at the Searcy WWTP. Garver will investigate to determine the proper pressure and flow needed for delivery to the various distribution points within the plant site. We will begin work immediately to resolve the low pressure and low volume issue that is being experienced in the present system.



Sam Gates
Senior Environmental Scientist/Specialist
Office: 501-376-3633
Direct: 501-537-3403
Mobile: 501-352-5269
E-mail: SJGates@GarverUSA.com



Weed covered cables in the aerated sludge lagoon after sprayed with a light duty sprayer. A tractor for our PTO spray rig is being purchased .



Cable for the replacement of the weed covered cables in the aerated sludge lagoon.

PURCHASE ORDER

ORDER NO.

Searcy Water and Sewer System

No 4484

P. O. Box 1319

SEARCY, ARKANSAS 72145-1319

TO

Hemmed Utility Products Inc.

DATE:

7-28-11

Please furnish the following material subject to conditions noted below and forward invoice in Triplicate, with original bill of lading immediately upon shipment. Show order number on all packages, invoices and correspondence.

SHIP TO

SHIP VIA

REQUISITION NO.

- 1 - Kubota Tractor L3200 DT, 32 HP 4WD w/front end loader
- 1 - 5' Box blade
- 1 - 15' x 77" trailer

\$ 16,800.00

FOR

WWTP

CONDITIONS

1. Acknowledge receipt and acceptance of this order, giving date of shipment.
2. The right is reserved to cancel this order if not filled within the time and in accordance with the terms specified.
3. All material subject to inspection and approval of buyer. Seller must pay all transportation charges both ways on rejected material.
4. No charges allowed for boxing, packing or drayage unless otherwise agreed.
5. Payments made by voucher only. No drafts will be honored.
6. Each order must be invoiced separately.
7. Unless otherwise agreed upon in writing the seller agrees to assume the defense of any suits for infringement of patents brought against the buyer by reason of the use of these goods and to indemnify the buyer against any decree of costs in such suits.

[Signature]

MANAGER



Aeration basin wall after weeds were sprayed and removed, and the basin was pumped down, cleaned and repaired.



Willow in primary clarifier after being sprayed.



Grating for channel.



North control box after being painted.



South control box after being painted.

PURCHASE ORDER

ORDER NO.

Searcy Water and Sewer System

No 4487

P. O. Box 1319

SEARCY, ARKANSAS 72145-1319

TO ASCO Hardware

DATE: July 20, 2011

Please furnish the following material subject to conditions noted below and forward invoice in Triplicate, with original bill of lading immediately upon shipment. Show order number on all packages, invoices and correspondence.

SHIP TO

SHIP VIA

REQUISITION NO.

1 10-yr. warranty door per attached quote
(\$ 3203.50)

FOR WWT

CONDITIONS

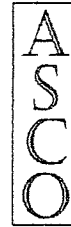
1. Acknowledge receipt and acceptance of this order, giving date of shipment.
2. The right is reserved to cancel this order if not filled within the time and in accordance with the terms specified.
3. All material subject to inspection and approval of buyer. Seller must pay all transportation charges both ways on rejected material.
4. No charges allowed for boxing, packing or drayage unless otherwise agreed.
5. Payments made by voucher only. No drafts will be honored.
6. Each order must be invoiced separately.
7. Unless otherwise agreed upon in writing the seller agrees to assume the defense of any suits for infringement of patents brought against the buyer by reason of the use of these goods and to indemnify the buyer against any decree of costs in such suits.



MANAGER

ASCO Hardware Company
 400 N Magnolia Street
 North Little Rock, AR 72114

SALES QUOTE



ASCO HARDWARE COMPANY

A Division of Negwer Door Systems

Sales Quote Number: SQ004778

Sales Quote Date: 07/26/11

Page: 1

Sell
 To: COD SHIPMENTS - NLR
 ROY -268-5128
 SESRCY WASTE WATER

Ship
 To: SEARCY WASTE WATER
 ROY 231-5128
 Searcy, AR 72143

Ship Via WILL CALL

Customer ID C10473

Terms DUE IMMEDIATELY

SalesPerson Robert Arnold

Item No.	Description	Unit	Quantit	Unit Price	Total Price
NSHMD	D18-4 3070 W/HALF GLASS FLEMING HOLLOW METAL DOORS PREP FOR PANIC X CLOSER NO GLASS INCLUDED 10 YEAR WARRANTY	EAC	4	745.00	2,980.00

Amount Subject to Sales Tax	2,980.00	Amount Exempt from Sales Tax	0.00
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Subtotal:	2,980.00
Invoice Discount:	0.00
Total Sales Tax:	223.50
Total:	3,203.50

ADEQ

ARKANSAS
Department of Environmental Quality

August 5, 2011

Dan Dawson
City of Searcy
Searcy Water and Sewer System
P.O. Box 1319
Searcy, AR 72145

RE: NPDES Permit No.: AR0021601, ARR00C389, AFIN: 73-00055
Response to Inspection

Dear Mr. Dawson:

The Department has received the requested additional information pertaining to the June 7, 2011 inspection of the Searcy Water and Sewer System's wastewater treatment facility by District Field Inspector Lindsay Stoker. The information has been reviewed and deemed satisfactory. At this time the Department has no further comment concerning this particular inspection.

Thank you for your attention to this matter. Should you have any questions, feel free to contact me at 501-682-0635 or you may e-mail me at anderson@adeq.state.ar.us.

Sincerely,



Alan Anderson
Enforcement Analyst
Water Division Enforcement Section