

April 23, 2008

Tim Joyner Cabot Water & Wastewater Commission 208 North 1st Street Cabot, AR 72023

NPDES Permit No.: AR0021661 AFIN: 43-00059

Dear Mr. Joyner:

On April 21, 2008, Bruce Kirkpatrick and I performed a routine 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 revealed that you are in compliance with terms of your permit.

If I can be any assistance, please contact me at glenn@adeq.state.ar.us or 501-682-0658.

Sincerely,

Jill Glenn

District 9 Field Inspector

Water Division

Water Division Enforcement Branch CC:

Water Division Permits Branch

Form Approved OMB No. 2040-0003 **⊕EPA** Approval Expires 7-31-85 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY NPDES Compliance Inspection Report Section A: National Data System Coding **NPDES** Transaction Code Yr/Mo/Day Inspec. Type Inspector Fac. Type 5 1 12 2 18  $\mathbf{C}$ 19 S 1 Remarks L  $\mathbf{o}$ Inspection Work Days Facility Evaluation Rating 69 5 75 80 67 74 Section B: Facility Data Name and Location of Facility Inspected (For industrial users discharging to POTW, also Permit Effective Date Entry Time/Date include POTW name and NPDES permit number) 1140 on 4/21/08 11/01/07 Cabot Water & Wastewater Commission -76 Marshall Lane Exit Time/Date Permit Expiration Date Cabot, AR 72023 1440 on 4/21/08 10/31/12 Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Other Facility Data Tony Reaves - Wastewater Manager / 501-843-1226 Jana Kohlmann / 501-843-1226 Richard Morgan / 501-843-1226 Name, Address of Responsible Official/Title/Phone and Fax Number <u>Tim Joyner P.E.</u> – General Manager / 501-605-1740 Contacted 208 North 1st St. Cabot, AR 72023 No 🗸 Section C: Areas Evaluated During Inspection (S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)  $\mathbf{S}$ Flow Measurement **Operations & Maintenance**  $\mathbf{S}$ **Permit** Sampling S  $\mathbf{S}$ S N Records/Reports **Self-Monitoring Program** Sludge Handling/Disposal **Pollution Prevention Facility Site Review** Compliance Schedules **Pretreatment** Multimedia S  $\mathbf{S}$ S Effluent/Receiving Waters Other: **Storm Water** Laboratory Section D: Summary of Findings/Comments (Attach additional sheets if necessary) No violations were noted. Facility was in compliance at the time of this inspection. Name(s) and Signature(s) of Inspector(s) Agency/Office/Telephone/Fax Date ADEQ/ North Little Rock/ 501-682-0658/ 501 682-0910 (Fax) 4/21/08 Jill Glenn. Buc Hebahit ADEQ/ District 2 / 870-446-6170 4/21/08 **Bruce Kirkpatrick** Signature of Reviewer Agency/Office/Phone and Fax Numbers Date

CECTION A. DEDMIT VEDICICATION	
SECTION A: PERMIT VERIFICATION  PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS	Me DM DH DNA DNE
DETAILS:	☑S ☐M ☐U ☐NA ☐NE
1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE:	☑Y □N □NA □NE
CORRECT NAME AND MAILING ADDRESS OF PERMITTEE.      NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES:	□Y □N ☑NA □NE
	MY ON ONA ONE
NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT:  ALL DISCHARGES AND DEPONTATED:	MY ON ONA ONE
4. ALL DISCHARGES ARE PERMITTED:	MY UN UNA UNE
SECTION B: RECORDKEEPING AND REPORTING EVALUATION	
RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT	☑S ☐M ☐U ☐NA ☐NE
DETAILS:	
ANALYTICAL RESULTS CONSISTENT WITH DATA REPORTED ON DMRS:	⊠y □n □na □ne
2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE:	Øs Om Ou Ona One
a. DATES AND TIME(S) OF SAMPLING:	⊠y □n □na □ne
b. EXACT LOCATION(S) OF SAMPLING:	⊠y □n □na □ne
c. NAME OF INDIVIDUAL PERFORMING SAMPLING:	Øy □n □na □ne
d. ANALYTICAL METHODS AND TECHNIQUES:	Øy □n □na □ne
e. RESULTS OF CALIBRATIONS:	✓Y □N □NA □NE
f. RESULTS OF ANALYSES:	⊠y □n □na □ne
g. DATES AND TIMES OF ANALYSES:	⊠y □n □na □ne
h. NAME OF PERSON(S) PERFORMING ANALYSES:	⊠y □n □na □ne
3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE:	⊠s □m □u □na □ne
4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR:	⊠s □m □u □na □ne
5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA:	⊠y □n □na □ne
SECTION C: OPERATIONS AND MAINTENANCE	
TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED	☑S ☐M ☐U ☐NA ☐NE
DETAILS:	
1. TREATMENT UNITS PROPERLY OPERATED:	☑S ☐M ☐U ☐NA ☐NE
2. TREATMENT UNITS PROPERLY MAINTAINED:	☑S ☐M ☐U ☐NA ☐NE
3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED:	☑S ☐M ☐U ☐NA ☐NE
4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE:	☑S ☐M ☐U ☐NA ☐NE
5. ALL NEEDED TREATMENT UNITS IN SERVICE:	⊠s □m □u □na □ne
6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED: have until 11/1/09 to have a Class IV operator	⊠s □m □u □na □ne
7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED:	⊠s □m □u □na □ne
8. OPERATION AND MAINTENANCE MANUAL AVAILABLE:	☑Y □N □NA □NE
9. STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED:	☑Y □N □NA □NE
10. PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED:	Øy □n □na □ne
11. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR:	⊠y □n □na □ne
12. IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED:	⊠y □n □na □ne
13. HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS:	☑Y □N □NA □NE
14. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT:	□y Øn □na □ne
15. IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT:	□y □n ☑na □ne

SECTION D: SAMPLING	
PERMITTEE SAMPLING MEETS PERMIT REQUIREMENTS	☑S □M □U □NA □NE
DETAILS:	
SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT:	☑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:	Øy □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: 24" Parshall F	lume ØY ON ONA ONE
2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED:	☑Y □N □NA □NE
3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED:	☑Y □N □NA □NE
4. CALIBRATION FREQUENCY ADEQUATE: last calibration 12/7/07	☑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:	Øy □n □na □ne
9. HEAD MEASURED AT PROPER LOCATION:	Øy □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: Sorrells Research	
b. LAB ADDRESS: 8002 Stanton Rd., Little Rock, AR 72209	
c. PARAMETERS PERFORMED: CBOD, pH, TSS, NH3-N, DO, FCB, Biomonitoring	
8. BIOMONITORING PROCEDURES ADEQUATE:	☑Y □N □NA □NE
a. PROPER ORGANISMS USED:	☑Y □N □NA □NE
b. PROPER DILUTION SERIES FOLLOWED:	Øy □n □na □ne
c. PROPER TEST METHODS AND DURATION:	Øy □n □na □ne
d. RETESTS AND/OR TRE PERFORMED AS REQUIRED:	⊠y □n □na □ne

SECTION G: EFFLUENT/RECEIVING WATERS OBSERVATIONS							
					Øs □m □	U DNA DNE	
DETAILS:							
OUTFALL #:	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOATING SOLIDS	COLOR	OTHER
001	None	None	Slight	Slight	None	Clear	
Algae was noted	d in the receiving strea	am. There was a sligh	t amount of foam disc	harging into the recei	iving stream. The foam v	was not persistent do	wnstream.
SECTION	H: SLUDGE	DISPOSAL					
		ETS PERMIT R	EQUIREMENT	ΓS		Øs □m □	U DNA DNE
		6 and land app					
_		ATE TO MAINTAIN EF				⊠s □m	□U □NA □NE
2. SLUDGE R	ECORDS MAINTAINE	D AS REQUIRED BY 40	) CFR 503:			⊠s □m	□U □NA □NE
3. FOR LAND	APPLIED SLUDGE, TY	YPE OF LAND APPLIE	O TO: (E.G., FOREST,	AGRICULTURAL, PUE	BLIC CONTACT SITE):		
SECTION	I: SAMPLIN	G INSPECTION	N PROCEDI	JRES			
SAMPLE R	RESULTS WITH	HIN PERMIT R	EQUIREMENT	S		□ѕ□м□	U □NA ☑NE
DETAILS:							
1. SAMPLES	OBTAINED THIS INSP	ECTION:				□Y	□N □NA □NE
2. TYPE OF S	SAMPLE: GRAB:_	COMPOSITE:_ N	METHOD: FREQUE	NCY:			
							□n □na □ne
4. FLOW PROPORTIONED SAMPLES OBTAINED:					□Y	□N □NA □NE	
					□N □NA □NE		
6. SAMPLE R					□N □NA □NE		
7. SAMPLE SPLIT WITH PERMITTEE:					□N □NA □NE		
8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED:					□N □NA □NE		
9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT:							
SECTION	J: STORM V	<b>NATER POLL</b>	.UTION PRE\	/ENTION PL/	AN		
STORM W	ATER MANAG	EMENT MEET	S PERMIT RE	QUIREMENTS	;	Øs □m □	U □NA □NE
DETAILS:							
1. SWPPP UP	PDATED AS NEEDED:_	_ DATE OF LAST UP	DATE:			✓Y	□n □na □ne
2. SITE MAP I	SITE MAP INCLUDING ALL DISCHARGES AND SURFACE WATERS:				□Y	□N □NA ☑NE	
3. POLLUTIO	POLLUTION PREVENTION TEAM IDENTIFIED:				✓Y	□N □NA □NE	
4. POLLUTIO	POLLUTION PREVENTION TEAM PROPERLY TRAINED:			✓Y	□N □NA □NE		
5. LIST OF PO	i. LIST OF POTENTIAL POLLUTANT SOURCES:				✓Y	$\square$ N $\square$ NA $\square$ NE	
6. LIST OF PO	6. LIST OF POTENTIAL SOURCES AND PAST SPILLS AND LEAKS:			✓Y	□n □na □ne		
7. ALL NON-STORM WATER DISCHARGES ARE AUTHORIZED:				✓Y	□N □NA □NE		
8. LIST OF STRUCTURAL BMPS:				✓Y	□N □NA □NE		
9. LIST OF NON-STRUCTURAL BMPS:				✓Y	□N □NA □NE		
10. BMPS PRC	PERLY OPERATED A	ND MAINTAINED:				✓Y	□N □NA □NE
11. INSPECTIO	ONS CONDUCTED AS	REQUIRED:				✓Y	□N □NA □NE

Comments: Within +/- 10%

## FLOW CALCULATION SHEET

Date: 4/2	<b>1/08</b> Ti	me: <b>1236</b>	_		
Head in Inches: Feet:					
Type & Size of Primary Flow Measurement Device: 24" Parshall Flume					
Name & Model of Secondary Flow Measurement Device: Endress & Hauser FMU90					
Recorded Flow at Date & Time Listed Above: 3.396 MGD (Facility Flow Meter)					
Calculated Flow at Date & Time Listed Above: 3.448 MGD  (Flow is calculated using flow charts in: ISCO Open Channel Flow Measurement Handbook-5 <sup>th</sup> Edition)					
% Error =	Recorded Value Calcul	- Calculatedated	d Value X 100		
% Error =	3.396	- 3.44 3.448	X 100		
% Error =	-0.052 3.448	- X 100			
% Error =	-0.015	X 100			
% Error =	-1.5	_ %			

AFIN: **43-00059** 

Permit #: AR0021661

## **DMR Calculation Check**

Reporting Period: From 08 01 01 To 08 01 31

Year Month Day Year Month Day

Parameter Checked: TSS

	Loading Mass	Concentration Monthly		
	Mo. Avg lbs/day	Mo. Avg mg/l	7-day Avg mg/l	
Reported Value:	38.585	1.8	2.1	
Calculated Value:	38.585	1.8	2.1	
Permit Value:	225	15	23	

If calculated value does not equal reported value, explain: <u>Equal</u>

## NPDES Compliance Inspection Report Further Explanation