

October 18, 2011

Tim Joyner Cabot Water & Wastewater Comm. PO Box 1287 Cabot, AR 72023

AFIN: 43-00059 NPDES Permit No: AR0021661

Dear Mr. Joyner:

On October 13, 2011, I performed a routine compliance inspection of the above referenced 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. No violations were detected during the inspection.

• It should be noted that you have recently installed mobile aerators into the sludge storage lagoon to try and reduce the sludge volume. It was noted that one of the aerators had caused an erosion spot on the levee, but you staff had noted the problem and had addressed it. Please be sure that your staff closely monitors these aerators to prevent erosion of the sludge storage pond levees.

If I can be any assistance, please contact me at benson@adeq.state.ar.us or 501-683-0827.

Sincerely,

Dennis Benson

District 9 Field Inspector

Water Division

cc: Water Division Enforcement Branch

Water Division Permits Branch

NPDES Inspection Form

Permit #: AR0021661

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	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Washington, D.C. 20460													11		•																							
	NPDES Compliance Inspection Report																																						
	Section A: National Data System Coding																																						
	Transaction Code NPDES Yr/Mo/Day Inspec											pec.	Гуре	e	Insp	pect	or	Fa	c. Type																				
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	Inspection Work Days Facility Evaluation Rating BI QARe											Rese	ved																										
	6	7						6	9					70	0	4]				71	N		72	N	73			74	75								8	0
	Section B: Facility Data																																						
													or ii mbe		rial	use	rs dis	charg	ging t	o P	ОТ	W, al	so			y Tin am o		te / 13/1 1	_				Permit Effective Date 11/1/2007						
CA Hig Hig	BO hw hw	T Y ay ay	WA 67/ 321	TI 16 l a	ER 7 No opr	& V ortl oxi	WA h to ma	ST o C tely	EV abo v 2.	VAT ot. 1 75 r	E] Γal nil	R C se thes	OM ne fin CC	<u>M.</u> - l st C: roa	abo d 44	ot exi 49 (t	it and urn l	l go e eft) a	ast (rigl	ht)	I-40 on tile to				Time 0 am		9 0/ 13 /1	.1				Permit Expiration Date 10/31/2012						
	Marshall Road. Turn left on Marshall Road. Plant is a end of Road.										her Fa	or Facility Data																											
														eral				noci	3)													her Facility Data							
	Name, Address of Responsible Official/Title/Phone and Fax Number																																						
CA	Tim Joyner CABOT WATER & WASTEWATER COMM. Contacted																																						
_	PO Box 1287 Cabot, AR 72023 Yes ✓ No ☐																																						
(50)	(501) 843-3566 Section C: Areas Evaluated During Inspection														_	—																							
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	No violations were noted.																																						
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AFIN: **43-00059**

NPDES Inspection Form AFIN: 43-00059 Permit #: AR0021661

SECTION A: PERMIT VERIFICATION	
PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS	☑S □M □U □NA □NE
DETAILS:	
1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE:	☑Y □N □NA □NE
2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES:	□Y □N ☑NA □NE
3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT:	☑Y □N □NA □NE
4. ALL DISCHARGES ARE PERMITTED:	☑Y □N □NA □NE
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:	⊠s □m □u □na □ne
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:	☑Y □N □NA □NE
d. ANALYTICAL METHODS AND TECHNIQUES:	☑y □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: (2 - Class IV Operators on site	☑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:	☑Y □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:	Øy □n □na □ne
14. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT:	Øy □n □na □ne
15. IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT:	Øy □n □na □ne

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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:	☑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: 24" Parshall 1	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:	☑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: (checked every weekday.)	☑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: Mcclelland Consulting Engineers	
b. LAB ADDRESS:	
c. PARAMETERS PERFORMED: ammonia, CBOD, pH, DO , TSS, FCB	
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

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SECTION G: EFFLUENT/RECEIVING WATERS OBSERVATIONS													
BASED ON VISUAL OBSERVATIONS ONLY													
DETAILS:	DETAILS:												
OUTFALL #:	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOATING SOLIDS	COLOR	OTHER						
001	01 non none none none none none												
SECTION	SECTION H: SLUDGE DISPOSAL												
SLUDGE D	SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS 🛮 🗹 S 🗆 M 🗀 U 🗆 NA 🗀 NE												
DETAILS:_	DETAILS: Sludge is stored in onsite lagoon												
1. SLUDGE M													
2. SLUDGE R	ECORDS MAINTAINED	O AS REQUIRED BY 40) CFR 503:			□s □м	□U □NA ☑NE						
3. FOR LAND	APPLIED SLUDGE, TY	PE OF LAND APPLIE	O TO: (E.G., FOREST,	AGRICULTURAL, PUE	BLIC CONTACT SITE):								
	SECTION I: SAMPLING INSPECTION PROCEDURES												
	RESULTS WITH	HIN PERMIT R	EQUIREMENT	S			J □NA ☑NE						
DETAILS:													
	OBTAINED THIS INSPI					□Y	☑N □NA □NE						
	AMPLE: GRAB:	COMPOSITE: N	METHOD: FREQUE	NCY:									
	PRESERVED:						□N □NA ☑NE						
	PORTIONED SAMPLE						□N □NA ☑NE						
	BTAINED FROM FACIL						□N □NA ☑NE						
	EPRESENTATIVE OF		E OF DISCHARGE:				□N □NA ☑NE						
	PLIT WITH PERMITTEI						□N □NA ☑NE						
	CUSTODY PROCEDU						□N □NA ☑NE						
9. SAMPLES	COLLECTED IN ACCO	RDANCE WITH PERM	IT:			LIY	□N □NA □NE						
OF OTION	I OTODIAN	WATER ROLL	LITION DDE	/ENTION DI	• • •								
	J: STORM V					7 6 7 14 7 1							
	ATER MANAG		_			MS UM U	J □NA □NE						
_	most of the sto			goes to treatme	nt plant.	Пу							
	PDATED AS NEEDED:_						□N □NA ☑NE						
	NCLUDING ALL DISCH		DE WATERS:				□N □NA ☑NE						
	N PREVENTION TEAM						□N □NA ☑NE						
	N PREVENTION TEAM		<u>':</u>				ON ONA MINE						
	DTENTIAL POLLUTANT		DIENKS:				ON ONA MAE						
	TORM WATER DISCH												
	TORM WATER DISCH	ANGES ARE AUTHUR	IZEU:				□N □NA ☑NE						
	RUCTURAL BMPS:	De.					□n □na ☑ne □n □na ☑ne						
	ON-STRUCTURAL BMF												
	DIPERLY OPERATED AS						□N □NA ☑NE						
II. INSPECTIO	11. INSPECTIONS CONDUCTED AS REQUIRED:												

Comments:

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FLOW CALCULATION SHEET

Date: 10/13/11 Time: 10	0 40 am										
Head in Inches: Fee	et: 0.58										
Type & Size of Primary Flow Measurement Device: 24" parshall flume											
Name & Model of Secondary Flow Measurement Device: Failed to record											
Recorded Flow at Date & Time Liste	ed Above: 2.285 (Facility Flow Meter)										
Calculated Flow at Date & Time Listo (Flow is calculated using flow charts in: ISCO Ope	ed Above: 2.222 en Channel Flow Measurement Handbook-5 th Edition)										
% Error = Recorded Value - Calculated \	Calculated Value Value										
% Error = 2.285 - 2.222	2.222 X 100										
% Error = $\frac{.063}{2.222}$ X 10	0										
% Error = <u>.029</u> X 10	0										
% Frror = 2.9 %											

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DMR Calculation Check

Reporting Period:	From	11	07	01	To	11	07	31
		Year	Month	Day	_	Year	Month	Day

Parameter Checked: CBOD

	Loading Mass	Concentration Monthly					
	Mo. Avg lbs/day	Mo. Avg mg/l	7-day Avg mg/l				
Reported Value:	48.2	3.3	3.8				
Calculated Value:	48.2	3.3	3.8				
Permit Value:	500.4	10	15				

If calculated value does not equal reported value, explain:

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DMR Calculation Check

Reporting Period:	From	11 Year	07 Month	01	_ To	11 Year		31
Parameter Checked:		FCB	-					
		Loading Mass					itration ithly	
	Mo.	Avg lbs/c	day	30-day col/	Geo : 100 r		7-day Geo col/100	
Reported Value:		n/a			7		9	
Calculated Value:		n/a			7		9	
Permit Value:		n/a		1	1000		200	0

If calculated value does not equal reported value, explain:

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NPDES Compliance Inspection Report Further Explanation

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