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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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												Section	on A:	Natio	onal D	ata S	System													
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	67				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) Entry Time /Date Permit Effective Date																													
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Nan	Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Other Facility Data																													
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Mer	na, AI	₹ 71	953																											
	Section C: Areas Evaluated During Inspection																													
	(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)																													
S	Peri	nit					L	S	Flow M	Measu	reme	nt			\mathbf{S}	Op	oeratio	ns & 1	Main	tenan	ce		S	Samp	ling					
S	Rec	ords/	Repor	rts			N	M S	Self-M	Ionitor	ring F	rogra	am		N	Slu	ıdge H	dge Handling/Disposal N				Pollution Prevention								
S	Faci	ility S	Site Re	eviev	v		N	1	Comp	liance	Sche	dules			N	Pr	etreatment N				Multimedia									
M	Effl	uent/	Recei	ving	Water	ers M Laboratory N St				Sto	torm Water N				Other	r:														
								Sect	tion D	: Sum	marv	of Fir	nding	s/Cor	nmen	ts (A	ttach a	ıdditic	onal s	heets	if nec	essar	v)							
Sec	2. C –	The	freebo	oard	on bo	oth po	nds a									,	n State						• /	of th	ree fo	eet of	freeb	oard	for	
															ate th	e nee	ed for a	an inc	rease	in dis	schar	ge, to	preve	nt a fi	reebo	ard v	iolati	ion,	t	he
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Sec	:. G -	·The	perm	it sta	ıtes "n	10 disc	charg	ge of c	distinc	tly vis	sible s	solids'	'. Du	ring (the ins	spect	tion, or	ı occa	sion,	large	mass	es of s	solids	were	obsei	ved to	o be d	discha	rged	
ove	er the	weir	•																											
No	Name(s) and Signature(s) of Inspector(s) Agency/Office/Telephone/Fax Date																													
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	PERMIT NO. AR0036692
SECTION A - PERMIT VERIFICATION	
PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS DETAILS: B S M U NA (FI	URTHER EXPLANATION ATTACHED <u>NO</u>)
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 D M D U NA (FUED DETAILS:	RTHER EXPLANATION ATTACHED <u>NO</u>)
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 □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:	THER EXPLANATION ATTACHED <u>VES</u>)
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. STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED.	■ Y □ N □ NA ■ Y □ N □ NA
PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED.	■Y□N□NA

	PERMIT NO. AR0036692
SECTION C - OPERATIONS AND MAINTENANCE (CONT'D)	
9. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR? IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED? HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS?	■ Y □ N □ NA ■ Y □ N □ NA ■ Y □ N □ NA
10. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT? IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT?	□Y■N □NA □Y□N ■NA
SECTION D - SAMPLING	
PERMITTEE SELF-MONITORING MEETS PERMIT REQUIREMENTS. $\blacksquare S \square M \square U \square NA $ (FURTHER EXPLANATION DETAILS:	N ATTACHED <u>NO</u>).
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 (FURTH DETAILS:	HER EXPLANATION ATTACHED <u>NO</u>)
PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED. TYPE OF DEVICE V notch weir	■Y □N □NA
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 4-20-2007) RECORDS MAINTAINED OF CALIBRATION PROCEDURES. CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE	■Y □N □NA ■Y □N □NA ■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 (FURTH DETAILS:	HER EXPLANATION ATTACHED <u>YES</u>
1 EPA APPROVED ANALYTICAL PROCEDURES LISED (40 CER 136 3 FOR LIQUIDS 503.8(b) FOR SLUDGES)	□Y■N□NA

	PERMIT	PERMIT NO. AR0036692									
SECTION F - LABORATORY (CONT'D)											
2. IF ALTERNATIVE A	□Y□N ■NA										
3. SATISFACTORY C	■S □M□U □NA										
4. QUALITY CONTRO	■S □ M□U □NA										
5. DUPLICATE SAMPLES ARE ANALYZED. <u>>10</u> % OF THE TIME. ■ Y □ N □ NA											
6. SPIKED SAMPLES ARE ANALYZED. <u>>10</u> % OF THE TIME. ■ Y □ N □ NA											
7. COMMERCIAL LABORATORY USED. ■ Y □ N □ NA											
LAB NAME BioAquatic Testing, Inc. LAB ADDRESS 2501 Mayes Rd., Ste. 100; Carrolton, TX 75006 PARAMETERS PERFORMED Biomonitoring											
SECTION G - EFFLU	ENT/RECEIVING WAT	ERS OBSERVATIONS		■S □M □U □	NA (FURTHER EXPLA	NATION ATTACHE	D <u>NO</u>).				
Based on visual	observations or	nly.									
OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOAT SOL.	COLOR	OTHER				
001	none	none	high	slight	slight	clear	NA				
Comments: some	e solids observed	in receiving strean	n; large chunks of	floating solids ove	r weir.						
SECTION H - SLUDG	GE DISPOSAL										
SLUDGE DISPOSAL DETAILS:	MEETS PERMIT REQ	UIREMENTS.		□S□M□U	J ■ NA (FURTHER EXF	PLANATION ATTAC	HED <u>NO</u>).				
1. SLUDGE MANAGE	EMENT ADEQUATE TO	O MAINTAIN EFFLUEN	T QUALITY.			\square S \square M \square	U ■ NA				
2. SLUDGE RECORE	OS MAINTAINED AS R	EQUIRED BY 40 CFR (503.				J ■ NA				
3. FOR LAND APPLIE	ED SLUDGE, TYPE OF	F LAND APPLIED TO:_	NA_(e.g., FOREST, A	GRICULTURAL, PUBLI	C CONTACT SITE)						
SECTION I - SAMPLI	SECTION I - SAMPLING INSPECTION PROCEDURES (FURTHER EXPLANATION ATTACHED NO.).										
1. SAMPLES OBTAIN	NED THIS INSPECTION	N.				□Y□	N ■ NA				
2. TYPE OF SAMPLE	2. TYPE OF SAMPLE OBTAINED NA										
GRAB COMPOSITE SAMPLE METHOD FREQUENCY											
3. SAMPLES PRESERVED. □ Y □ N ■ NA											
4. FLOW PROPORTI	4. FLOW PROPORTIONED SAMPLES OBTAINED. □ Y □ N ■ NA										
5. SAMPLE OBTAINE	ED FROM FACILITY'S	SAMPLING DEVICE.				□Υ□	N ■ NA				
6. SAMPLE REPRES	ENTATIVE OF VOLUM	ME AND NATURE OF D	ISCHARGE.			□ Y □	N ■ NA				
7. SAMPLE SPLIT W	ITH PERMITTEE.					□Υ□	N ■ NA				
8. CHAIN-OF-CUSTO	DDY PROCEDURES E	MPLOYED.				□ Y □	N ■ NA				
9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT. □ Y □ N ■ NA											

DMR Calculation Check

Reporting Period:	From	07_	02	01_	To	<u>07</u>	<u>02</u>	<u>28</u>
	7	Year	Month	Day	Year	Month	Day	

Parameter Checked: CBOD

	Loading	Concentrat	ion
	Mass Monthly Avg. (lbs/ day)	Monthly AvgMg/l	7-day Avg- Mg/l
Reported Value:	111.2	7.82	9.58
Calculated Value:	111.2	7.82	9.58
Permit Value:	259	10	15

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

FLOW CALCULATION SHEET

Field Data: Date_5-2-2007_Time_1004_

Head in Inches 13 3/4

Type & Size of Primary Flow Measurement Device 90 degree V notch weir

Name & Model of Secondary Flow Measurement Device <u>Milltronics Hydroranger</u>

Recorded Flow at date & time listed above _1559 gpm_

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

Calculations:

$$13 \% = 13.75 / 12 = 1.145 \text{ hf} = 1574 \text{ gpm}$$

% error = <u>recorded value - calculated value</u> x 100 calculated value

$$\frac{1559 - 1574}{1574}$$
 (100) = $\frac{-15}{1574}$ (100) = -0.0095 (100) = -0.95 % error



701 MENA STREET ~MENA, ARKANSAS ~71953 PH (479) 394-2761 ~ FAX (479) 394-5058 SL to trank

31-May-07

Mr. Shan Lynch District Field Inspector Water Division P.O. Box 8913 Little Rock, AR 72219-8913

Mr. Lynch

I have received your letter and information in regards to the inspections of our Water Treatment Plant and Wastewater Treatment Plant on May 1, 2007 and May 2, 2007 respectively. AFIN# 57-00042

Listed below are the corrective actions taken to correct the violations.

ARG640043

- 1. With reference to paragraph 1 & 2. The Mena Water plant has corrected the form used for PH and Chlorine Analysis. It will mow reflect the correct method used to measure chlorine, the date and time of the analysis and the name of the person doing the analysis. It also has a location to record the calibration records for the spectrophotometer used to measure the chlorine.
- 2. Both filters backwash ponds will be pumped out and land applied according to our land application permit.

4426-WG-WR-2

1 With reference to paragraph 1, due to an oversight, no tests were done for the following required parameters: Volatile Solids (%), CaCO3 (%), and Total Organic Carbon (%). These will be corrected in the next reporting period.

AR0036692

1 With reference to paragraph 1. The Mena Wastewater plant is deferring its CBOD and NH3-N to a certified water analysis lab, due mainly to manpower constraints and equipment cost of purchasing new lab equipment. These changes took effect 7May 2007. The outside lab will run GGA daily and properly distill the NH3-N. The lab is as follows:

Data Testing Inc. 3434 Country Club Ft Smith, AR. 72903 Phone: 479-649-8378

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- 3. With reference to Para. 2, the visible solids are the result of foaming from the alum and polymer and has dried up with attached to the lily pads downstream of point source. This foam is usually isolated and contained at the point source with the floating buoys at the beginning of the stream. Some foam has carried over and since inspection has been cleaned up with telescopic pool net and disposed of in the primary lagoon.
- 4. A new influent meter is being researched and recommendation to purchase will be given to water commission at next meeting.