

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																													
	Trans	actio	n Cod	e						NPD	ES		yr/mo/da					ay	ay Ins				spec. Type Inspector Fac Typ							
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L	A F I N 5 4 - 0 0 0 8 3																													
Inspection Work Days Facility Evaluation Rating BI QA										 																				
	67	0	0	1	69				70	2	J			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																													
· ·									Fel	bruai	ry 1,	200	4																	
approx. 0.3 miles north of Hwy. 44 and approx. 1.5 miles west of the Exit Time/Date Permit Expiration Date																														
	intersection of Hwy. 44 and Hwy. 20 in Section 24, Township 2 South, Range 4 East in Phillips County ~1:45 p.m. 5/17/07 January 31, 2009																													
	Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Other Facility Data																													
	Terry McGinister, General Manager of Water Utilities, 870-338-7438, Fax 870-338-7477 Benzene Collier, Wastewater Operator, 870-338-7438, Fax 870-338-7477 Trimble GPS location recorded.										corded.																			
	Name, Address of Responsible Official/Title/Phone and Fax Number																													
Ter	Terry McGinister, General Manager of Water Utilities, 870-338-7477 Contacted																													
	City of Helena 702 Cherry Street Yes X No																													
	Helena, Arkansas 72342																													
	Section C: Areas Evaluated During Inspection (S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)																													
S																														
U	Re	cords	/Repo	orts			Ţ	J	Self-	Monite	oring	Prog	gram		N	Sl	ıdge I	Handl	ing/D	ispos	al	-	N	Pollu	ıtion l	Preve	ntion	ı		
S	Fa	cility	Site F	Revie	w		N	1	Com	plianc	e Sch	edule	es		N	P	retrea	tment	t			Ī	N	Mult	timedi	ia				
S	Eff	luent	/Rece	iving	g Wat	ers	Ţ	J	Labo	ratory	7		N Storm Water S Other: Effluent Limits																	
								Se	ection D	: Sum	mary	of F	inding	s/Cor	nment	s (At	tach a	dditio	onal s	heets	if nec	essary	y)							
At	the	time	of ir	ispe	ction	ı, the	foll	lou	ing in	adeq	иасі	es w	ere n	oted	:															
1.		_	•	_	ality	conti	rol p	ro	cedure	s. In	adeq	uate	doc	umei	ntatio	n, b	y mu	niciį	pal la	ibora	atory	, tha	t spi	ke or	dup	licat	e sai	nple	s are	
•	being utilized.																													
2.	2. The latest documentation of the 30-day average percent removal of Biochemical Oxygen Demand revealed a sixty-two percent (62%) removal rate. The current permit requires at least eighty-five percent (85%).																													
	3. No documentation of flow meter calibration checks being conducted to assure accuracy.																													
4.	4. Inadequate calculation of the analytical data reported on the Discharge Monitoring Report for Fecal Coliform Bacteria, BOD, and Total Suspended Solids in the month of March 2007.																													
	Name(s) and Signature(s) of Inspector(s) Agency/Office/Telephone/Fax ADEQ/Stuttgart/870-673-8846/870-673-7236 Date May 23, 2007																													
St	Baj	1 12	n der	gae -																										
Sign	natur		Reviev									A	gency	Offic	e/Pho	ne an	d Fax	Num	bers					Dat	te					

	PERMIT NO.: AR0043389
SECTION A - PERMIT VERIFICATION	
PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS DETAILS:	EXPLANATION ATTACHED $\underline{\mathbf{No}}$)
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. □ S M ■ U NA (FURTHER EXDETAILS: Analytical results are inconsistent with data reported on March 2007 DMR.	XPLANATION ATTACHED $\overline{ extbf{No}}$)
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 NA
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. Municipal Lab	■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. \blacksquare S \blacksquare M \Box U \blacksquare VA (Further exidetails:	PLANATION ATTACHED <u>No</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. 2 Class II, 7 Class I	■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.	■Y N NA
PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED.	Y N ■ NE

	PERMIT NO.: AR0043389
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 Sampling MEETS PERMIT REQUIREMENTS. DETAILS:	XPLANATION ATTACHED NO).
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 DETAILS: Calibration checks are not being conducted.	EXPLANATION ATTACHED NO)
PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED. TYPE OF DEVICE <u>Rectangular Weir w/o end contractions</u>	■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 <u>(2/05/07</u>) 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. No Flow	□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 (FURTHEI DETAILS:	R EXPLANATION ATTACHED $oxdot{f No}$
1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(b) FOR SLUDGES)	■ Y □N NA

						PERMIT	NO.: AR0043389			
SECTION F - LABORATORY (CONT'D)										
2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED Y N ■ NA										
3. SATISFACTORY C	3. SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT.									
4. QUALITY CONTRO	4. QUALITY CONTROL PROCEDURES ADEQUATE. S M ■ U NA									
5. DUPLICATE SAMP	5. DUPLICATE SAMPLES ARE ANALYZED. 0 % OF THE TIME Municipal Laboratory (no duplicates recorded) Y ■N NA									
6. SPIKED SAMPLES ARE ANALYZED. 0 % OF THE TIME. Municipal Laboratory (no spikes recorded) Y ■N NA										
7. COMMERCIAL LABORATORY USED. BOD 5-Day ■ Y N NA										
LAB ADDRESS 866	LAB NAME <u>American Interplex Laboritories</u> LAB ADDRESS <u>8600 Kanis Road, Little Rock, Ark.</u> PARAMETERS PERFORMED <u>BOD 5-Day</u>									
SECTION G - (EFFLU	JENT)/RECEIVING WA	ATERS OBSERVATION	IS.	■S M U NA	(FURTHER EXPLANATION	I ATTACHED).			
Based on visual	observations or	nly.								
OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOAT SOL.	COLOR	OTHER			
001										
Comments: No	Discharge									
SECTION H - SLUDG	GE DISPOSAL									
	MEETS PERMIT REQ System, No sludge dis	-	:	S M U∎NA	(FURTHER EXPLANATION A	ATTACHED NO).			
		O MAINTAIN EFFLUEN	IT QUALITY.			S M U	■ NA			
2. SLUDGE RECORE	OS MAINTAINED AS R	EQUIRED BY 40 CFR	503.			S M UI	■NA			
3. FOR LAND APPLIE	ED SLUDGE, TYPE OF	F LAND APPLIED TO:	_ (e.g., FOREST, AGR	ICULTURAL, PUBLIC C	ONTACT SITE)					
SECTION I - SAMPLI	ING INSPECTION PRO	OCEDURES		(FU	JRTHER EXPLANATION AT	TACHED No)			
1. SAMPLES OBTAIN	NED THIS INSPECTION	N.				Y∎N	I NA			
2. TYPE OF SAMPLE	OBTAINED - N/A									
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	5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE. Y N ■NA									
6. SAMPLE REPRES	ENTATIVE OF VOLUM	ME AND NATURE OF D	DISCHARGE.			ΥN	I ■ NA			
7. SAMPLE SPLIT W	ITH PERMITTEE.					ΥN	I■NA			
8. CHAIN-OF-CUSTO	DDY PROCEDURES E	MPLOYED.				ΥN	I ■ NA			
9. SAMPLES COLLE	9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT. Y N ■ NA									

 A flow calculation check was not conducted do to a lack of dischar 	l	flo	ow	cal	lcui	lati	ion	ch	eck	we	is i	not	cond	luct	ed	do	to	a	laci	k o	f d	lischa	ŗ
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FLOW CALCULATION SHEET

Field Data: Date _ Time
Head in Inches =
Type & Size of Primary Flow Measurement Device 4'4" Rectangular Weir w/o contractions
Name & Model of Secondary Flow Measurement Device Milltronics Hydro Ranger Open Channel Flow Meter
Recorded Flow at date & time listed above
Flows are calculated from flow charts taken from the <u>ISCO Open Channel Flow Measurement Handbook-5th</u> <u>Edition</u>
% error = $\underline{\text{(recorded value - calculated value)}} \times 100$ $calculated value$
% error = x 100
% error =

DMR Calculation Check

Reporting Period: From $\underline{2007}$ $\underline{03}$ $\underline{01}$ To $\underline{2007}$ $\underline{03}$ $\underline{31}$

Year Month Day Year Month Day

Parameter Checked: Fecal Coliform

	Loading Mass	Concentration Monthly				
	Mo. Avglbs/ day	Mo. Avgmg/l	7-day Avgmg/l			
Reported Value:	NA.	182	200			
Calculated Value:	NA	181	193			
Permit Value:	NA	1000	2000			

If calculated value does not equal reported value, explain: NOT EQUAL



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

May 23, 2007

Terry McGinister, General Manager City of Helena Water and Sewer 702 Cherry Street Helena, Arkansas 72342

RE: AFIN: 54-00083 NPDES Permit No.: AR0043389

Dear Mr. McGinister:

On May 17, 2007, I conduct 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:

- 1. Inadequate quality control procedures. Inadequate documentation, by municipal laboratory, that spike or duplicate samples are being utilized.
- 2. The latest documentation of the 30-day average percent removal of Biochemical Oxygen Demand revealed a sixty-two percent (62%) removal rate. The current permit requires at least eighty-five percent (85%).
- 3. No documentation of flow meter calibration checks being conducted to assure accuracy.
- 4. Inadequate calculation of the analytical data reported on the Discharge Monitoring Report for Fecal Coliform Bacteria, BOD, and Total Suspended Solids in the month of March 2007.

The above items require your immediate attention. Please submit a written response to the Enforcement Section of this Department when the violations have been corrected. 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 22, 2007**.

If I can be any assistance, please contact me at 870-673-8846.

Sincerely,

Steven L. Henderson District 6 Inspector Water Division

cc: Enforcement Branch

-SL to Frank

Helena Municipal Water & Sewer

702 Cherry Street Helena-West Helena, Arkansas 72342

> Owned and operated by the City of Helena-West Helena

870-338-7438 Fax 870-338-7477

JUN 20 2007 MARKED

June 19, 2007

ADEQ Enforcement Branch P.O. Box 8913 Little Rock, AR 72219-8913

Re: AFIN: 54-00083 NPDES Permit No. AR0043389

Dear Sir:

In reference to routine compliance inspection of May 17, 2007, we have made the following corrections:

Item 1 - This problem occurred while our employee was on vacation. We have crosstrained an additional employee to run a spike or duplicate sample.

Item 2 – We have increased the detention time on the sewer ponds by cutting back on the flow. This allows for more oxidation time and settlement of waste material.

Item 3 – We had a problem calibrating the flow meter and in turn have requested for Instrument & Supply to re-calibrate the flow meter and review calibration procedure with our employees. The sewer pond levels are too low to flow at this time.

Item 4 – We have recalculated and corrected the analytical data reported on the March 2007 (DMR), corrected copy attached.

Please advise if additional information is required.

Sincerely,

Terry McGinister General Manager

cc: Steven L. Henderson District 6 Inspector