

September 15, 2008

Phillip Foot, Water Utilities Manager City of Hazen P.O. Box 564 Hazen, Arkansas 72064

RE: Waste Water Treatment Facility

AFIN: 59-00029 NPDES Permit No.: AR0022411

Dear Mr. Foot:

On August 27, 2008, I conducted 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:

Effluent sample results revealed that the Ammonia Nitrogen limits set forth in the current permit were exceeded. (Ammonia Nitrogen 23.8 mg/l; Permit Limit 7.5 mg/l).

The above item requires your immediate attention. Please submit a written response to the Water Division Enforcement Section of this Department at the following address:

Water Division Enforcement Section Arkansas Department of Environmental Quality 5301 Northshore Drive North Little Rock, AR 72118-5317

This response should contain detailed documentation describing the course of action taken to correct the item noted. This corrective action should be completed as soon as possible, and the written response is due by **October 10, 2008**.

For additional information you may contact the enforcement section by telephone at 501-682-0639 or by fax at 501-682-0910.

Phillip Foot, Water Utilities Manager City of Hazen September 15, 2008 Page 2

If I can be of any assistance, please contact me at (870) 247-5183.

Sincerely,

Steven L. Henderson District 6 Inspector

Water Division

cc: Water Division Enforcement Branch

Water Division Permits Branch

teven L. Honderson

ADEQ Water NPDES Inspection A				FIN: 59-00029 Permit #: AR00224				2411		
									1	
3	EPA								Form Approved OMB No. 2040-0003	
		UNIT	ED STATES ENVIRONMI		N AGEI	NCY				
	NPDE	s c	Complianc	_{n, D.C. 20460} ee Inspec	tio	n I	Report			
	1,122									
	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	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 1 11	12	0		17 18		
	A F I N 5	9	- 0 0 0	2 9	Remar	KS				
	Inspection Work Days 67 0 0 1 69	I	Facility Evaluation R 70 3	tating 71	BI N	72	QA74 N 73 74	75	-Reserved	
				Section 1	B: Fac	cility	Data			
incl	ne and Location of Facility Inspecte ude POTW name and NPDES permi of Hazen WWTP			harging to POTV	V, also)	Entry Time/Date 9:00 a.m. 8/27/08		Permit Effective Date May 1, 2004	
Hig	hway 63 en, Arkansas						Exit Time/Date		Permit Expiration Date	
Pra	irie County, Arkansas	Wood					11:45 a.m. 8/27/08		April 30, 2009	
	tion 20, Township 2 North, Range 5 ne(s) of On-Site Representative(s)/I		Phone and Fax Num	nber(s)				О	ther Facility Data	
Cho	nd Swain, Class II Operator (870) 2	55-4521						·	
	ne, Address of Responsible Official									
City	llip Foot, Water Utilities Manager of Hazen	(870)	1 255-4521, (870) 25.	5-3085 Ceu			Contacted			
	. Box 564 zen, Arkansas 72064						Yes No No			
			Seci	tion C: Areas Ev	valnat	ed Di	ıring Inspection			
							sfactory, N = Not Evaluated)			
S	Permit	S	Flow Measuremen	nt	S	Op	erations & Maintenance	S	Sampling	
S	Records/Reports	S	Self-Monitoring P	Program	S	Slu	dge Handling/Disposal	N	Pollution Prevention	
S	Facility Site Review	N	Compliance Scheo	dules	N	Pre	treatment	N	Multimedia	
S	Effluent/Receiving Waters	S	Laboratory	6E: 1: /C	N		rm Water	U	Other: CSI	
	1 compliance sampling						ach additional sheets if neces		rkansas Water and Air	
	ollution Control Act, the	_					-			
	spection revealed the fo			,			eguiations promuig	area .	northwere The	
	· ·		J							
	Effluent sample collected at the time of inspection revealed that the Ammonia Nitrogen limits set forth in the									
	current permit were e	xcee	ded. (Ammon	ıia Nitrogei	n 23	.8 n	ng/l; Permit Limit 7.	5 mg/	<i>(1)</i> .	
Na	Name(s) and Signature(s) of Inspector(s) Agency/Office/Telephone/Fax Date									
	Steven L. Ho				-		247-5183/ (870) 247-5185		September 15, 2008	
0,-	Steven L. Henderson									

Agency/Office/Phone and Fax Numbers

Signature of Reviewer

Date

ADEQ Water NPDES Inspection	AFIN: 59-00029	Permit #: AR0022411

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:	Øy □n □na □ne
SECTION B: RECORDKEEPING AND REPORTING EVALUATION	
RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT	☑S ☐M ☐U ☐NA ☐NE
DETAILS:	
1. 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:	Øy □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:	ØS □M □U □NA □NE
6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED:	☑s □m □u □na □ne
7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED:	ØS □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 Øn □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

ADEQ Water NPDES Inspection	AFIN: 59-00029	Permit #: AR0022411

SE	ECTION D: SAMPLING	
	RMITTEE SAMPLING MEETS PERMIT REQUIREMENTS	☑S □M □U □NA □NE
	TAILS:	
1.	SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT:	☑Y □N □NA □NE
2.	LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES:	MY ON ONE
3.	FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT:	DY DN ØNA DNE
4.	SAMPLING AND ANALYSES COMPLETED ON PARAMETERS SPECIFIED IN PERMIT:	☑Y □N □NA □NE
5.	SAMPLING AND ANALYSES PERFORMED AT FREQUENCY SPECIFIED IN PERMIT:	MY ON ONE
6.	SAMPLE COLLECTION PROCEDURES ADEQUATE:	MY ON ONA ONE
а	. SAMPLES REFRIGERATED DURING COMPOSITING:	□Y □N ØNA □NE
b	. PROPER PRESERVATION TECHNIQUES USED:	Øy □n □na □ne
	. 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:	OY ON MA ONE
SE	ECTION E: FLOW MEASUREMENT	
	RMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS	☑S □M □U □NA □NE
	ETAILS:	
1.	PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED: TYPE OF DEVICE: 6" 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:	☑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
SE	ECTION F: LABORATORY	
PE	RMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS	☑S □M □U □NA □NE
DE	ETAILS:	
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
а	. LAB NAME: Sorrells Research	
b	. LAB ADDRESS: 8002 Stanton Road, Little Rock, Arkansas 72209	
С	. PARAMETERS PERFORMED: CBOD5, TSS, NH3-N, DO, FCB, pH	
8.	BIOMONITORING PROCEDURES ADEQUATE:	□Y □N ØNA □NE
а	. PROPER ORGANISMS USED:	□Y □N ☑NA □NE
b	. PROPER DILUTION SERIES FOLLOWED:	□Y □N ØNA □NE
С	. PROPER TEST METHODS AND DURATION:	□y □n ☑na □ne
d	. RETESTS AND/OR TRE PERFORMED AS REQUIRED:	□y □n ☑na □ne

ADEQ Water NPDES Inspection	AFIN: 59-00029	Permit #: AR0022411

SECTION	G: EFFLUEI	NT/RECEIVIN	IG WATERS	OBSERVATION	ONS						
BASED ON	м 🗆 и	□NA □NE									
DETAILS:	DETAILS:										
OUTFALL #:	OUTFALL #: OIL SHEEN GREASE TURBIDITY VISIBLE FOAM FLOATING SOLIDS COL										
001	001 None None None None							None			
SECTION	H: SLUDGE	DISPOSAL									
SLUDGE D	DISPOSAL ME	ETS PERMIT F	REQUIREMEN	TS		Øs□	м 🗆 и	□NA □NE			
DETAILS:			·								
1. SLUDGE M	ANAGEMENT ADEQU	ATE TO MAINTAIN EF	FLUENT QUALITY:			7	s 🗆 м 🛭	JU □NA □NE			
2. SLUDGE R	ECORDS MAINTAINED	O AS REQUIRED BY 4	O CFR 503:				ѕ □м [Ju ⊠na □ne			
3. FOR LAND	APPLIED SLUDGE, TY	PE OF LAND APPLIE	D TO: (E.G., FOREST	, AGRICULTURAL, PUI	BLIC CONTACT SITE):						
SECTION	I: SAMPLIN	G INSPECTION	ON PROCED	URES							
SAMPLE R	RESULTS WITH	HIN PERMIT R	EQUIREMENT	S		□s□	M ☑U	□NA □NE			
DETAILS: A	Ammonia Nitro	gen results exc	eeded permit li	mit.							
1. SAMPLES	OBTAINED THIS INSPE	ECTION:					ØY [ON ONA ONE			
2. TYPE OF S	AMPLE: GRAB:	□COMPOSITE: N	METHOD: FREQUE	ENCY:							
3. SAMPLES I	PRESERVED:						Øy [□NA □NE			
4. FLOW PRO											
5. SAMPLE O											
6. SAMPLE R	EPRESENTATIVE OF	VOLUME AND NATUR	E OF DISCHARGE:				ØY [ON □NA □NE			
7. SAMPLE SI	PLIT WITH PERMITTER	E:					□Y 5	ØN □NA □NE			
8. CHAIN-OF-	CUSTODY PROCEDUI	RES EMPLOYED:					ØY [□NA □NE			
9. SAMPLES	COLLECTED IN ACCO	RDANCE WITH PERM	IT:				ØY [□NA □NE			
SECTION	J: STORM V	VATER POLI	LUTION PRE	VENTION PL	AN						
STORM W	ATER MANAG	EMENT MEET	S PERMIT RE	QUIREMENTS	3	□s□	м □υ	⊠NA □NE			
DETAILS:											
1. SWPPP UP	DATED AS NEEDED:	_ DATE OF LAST UP	DATE:					JN ØNA □NE			
2. SITE MAP I	NCLUDING ALL DISCH	HARGES AND SURFA	CE WATERS:				□Y [□N ØNA □NE			
3. POLLUTION	N PREVENTION TEAM	IDENTIFIED:					□Y [□N ØNA □NE			
4. POLLUTION	POLLUTION PREVENTION TEAM PROPERLY TRAINED:										
5. LIST OF PO	5. LIST OF POTENTIAL POLLUTANT SOURCES:										
6. LIST OF PO	6. LIST OF POTENTIAL SOURCES AND PAST SPILLS AND LEAKS:										
7. ALL NON-S		□Y [□N ØNA □NE								
8. LIST OF ST		□Y [JN ⊠NA □NE								
9. LIST OF NO		□Y [JN ⊠NA □NE								
10. BMPS PRO		JN ⊠NA □NE									
11. INSPECTIO	11. INSPECTIONS CONDUCTED AS REQUIRED:										

	FLOW CALCULATION SHEET								
Date:	August	27, 2008	Time:	9:30 a.m.					
						-			
Head in	n Inches:	3.4	Fee	et: .28					
		•	w Measur	rement De	evice:				
6" Par	shall Flu	me							
			ary Flow M	leasurem	ent Devi	ice:			
Greylin	ne SLT 32	<u> </u>							
D ()	1		2		•				
			Secondary	/ Flow De	vice:				
	ber 18, 2		Fina a linta	-l	400.7				
Record	ed Flow a	at Date &	<u> Γime Liste</u>	d Above:	123.7	gpm		(Facility Flow Meter)	
Calcula	ited Flow	at Data &	Time Liste	ad Ahova	130.	<u>Ω</u>			
			n: ISCO Oper			_	lbook-5 th E	 Edition)	
% Erro	Rec	corded Val	ue - C	e - Calculated Value					
70 LIIO		Ca	Iculated Value			X 100			
						T	1		
% Erro	r =	123.7	-	- 130.8		X 100			
			130.8						
		7.4							
% Erro	r =	-7.1	— X 100	0 —					
		130.8							
0/ Erro	,	OF	V 100	<u> </u>					
% Erro	=	05	X 100	0					
% Erro	r _	-5.43	%						
/0 LIIUI		-J.4J	/0						
Comme	ents:								
30111110), ito.								

DMR Calculation Check

Reporting Period: From 2008 07 01 To 2008 07 31

Year Month Day Year Month Day

Ammonia

Parameter Checked: Nitrogen

Concentration Loading Monthly Mass Mo. Avg. - lbs/day 7-day Avg. - mg/l Mo. Avg. - mg/l **Reported Value:** 2.30 **7.67** 15.28 **Calculated Value:** 2.30 **7.67** 15.28 5 **Permit Value:** 7.5 11

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

Company Name

Company Address Phone: Fax:

- CERTIFICATE OF ANALYSIS -

Attn: Phone: Ext: FAX:

Our Lab#: 2008-2614

Your Sample ID: City of Hazen - 001

Sample C Report Date: 11-Sep-08

CBOD5 Carbonaceous biochemical oxygen 10.48 mg/L 8/27/2008 demand NH3-N-ISE Ammonia as nitrogen 23.8 mg/L 9/11/2008 FC-MF 8/27/2008 Fecal coliform Н 440 cfu/100 ml TSS/TDS Total suspended solids 10.0 mg/L 8/27/2008 **FIELD** Dissolved oxygen 8.41 mg/L 8/27/2008 Field pH 7.63 SU 8/27/2008 Water temperature 26.8 °C 8/27/2008

CITY OF HAZEN UTILITIES

P. O. BOX 564 HAZEN, AR 72064 PHONE 870-255-4521 FAX 870-255-3637

September 29, 2008

Water Division Enforcement Section Arkansas Department of Environmental Quality 5301 Northshore Drive North Little Rock, AR 72118-5317

To whom it may concern:

I am writing this letter in reference to the violation levels at the City Of Hazen Water Plant. The sample that I am referring to is the Ammonia Nitrogen 23.8 mg/l; Our Permit levels are at 7.5 mg/l.

We have had a few issues with our water plant and we are aware of these levels during the time frame. We have had to replace our motor for our sludge rake as well as the gear box. Those items were on back order which delayed the repair time. We have now fixed and repaired our water plant as of September 2, 2008.

We have had two samples taken since your visit and we are now in compliance. We believe that with the rake and gear box repaired and working that has fixed the problem. We are ready any time for your return for more samples if needed.

Thank You,

Phillip Foot Utilities Manager

> IDOL IIDM



October 21, 2008

Phillip Foot City of Hazen P.O. Box 564 Hazen, AR 72064

RE: City of Hazen WWTP, NPDES Permit Tracking Number AR0022411,

AFIN 59-00029, Response to Inspection

Dear Mr. Foot:

The Department has received the additional response information requested to the August 27, 2008 inspection of your facility by our District Field Inspector, Steven Henderson. Your response appears to adequately address the discrepancies identified during the visit. The Department assumes the corrective actions taken will be maintained to ensure consistent compliance with the requirements of the permit. Acceptance of this response by the Department does not preclude any future enforcement action deemed necessary at this site or any other site.

The Department will keep the inspection and response on file. If future violations occur that require enforcement action, the Department will consider the inspection and response as required by the Pollution Control and Ecology Commission Regulation No. 7, Civil Penalties. This regulation requires the Department to consider the past history of your company and how expeditiously the violations were addressed in determining any civil penalty that may be necessary for any future violations.

If we need further information concerning this matter, we will contact you. Thank you for your attention to this matter. Should you have any questions, feel free to contact me at 501-682-0633 or you may e-mail me at schluterman@adeq.state.ar.us.

Sincerely,

Amy Schluterman
Enforcement Administrator
Water Division Enforcement Section