

June 2, 2008

Gary Smith, Utilities Director City of Van Buren P.O. Drawer 1269 Van Buren, AR 72957

AFIN: 17-00062 NPDES Permit No.: AR0021482

Dear Mr. Smith:

On April 15, 2008, I performed 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. At time inspection, three aerators in cell one were not in operation. Past inspections have shown that these units continue to be a maintenance problem within the plant. All needed treatment units should be in operation to ensure that the quality of the effluent can meet permit requirements.
- 2. Flow checks conducted on the totalizer at the time of inspection revealed a > 10% error. Efforts must be made to have the totalizer calibrated to ensure the accuracy of the meter.
- 3. Facility operator was unable to provide documentation to confirm that monthly flow checks of the totalizer are being performed.
- 4. Hose on composite sampler located at the facility must be cleaned or replaced. Existing condition of the hose may to lead inadequate quality of the effluent.

The above items require your immediate attention. Please submit a written response to these findings to the Water Division Enforcement Branch of this Department at the following address:

Water Division Enforcement Branch 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 items noted. This corrective action should be completed as soon as possible, and the written response is due by June 25, 2008.

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

Smith, City of Van Buren June 2, 2008 Page 2

If I can be of any assistance, please contact me at 479-452-4822 ext. 11

Sincerely,

Jeff Tyler

District 4 Field Inspector

Water Division

cc: Water Division Enforcement Branch

Water Division Permits Branch



⊕EPA

	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Washington, D.C. 20460 NPDES Compliance Inspection Report											Form Approved OMB No. 2040-0003																			
	Section A: National Data System Coding																														
	Transaction Code NPDES Yr/Mo/Day Inspec. Type Inspector Fac. Type																														
1	N	N 2 5 3 A R 0 0 2 1 4 8 2 11 12 0 8 0 4 1 5 17 1									18	C		19	S	20	1														
		4		2				•							2	Rema	rks						2			4			_	<u> </u>	_
			A	F	I	N			1	7	-	0	0	0	6	2															
Inspection Work Days Facility Evaluation Rating BI QAReserved														-																	
	67	0	0	1	69					70	2				71	N	7	² 2 N	73			74	75							80	
														Sec	ction	B: Fa	cili	ty Data													
incli	Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number) City of Van Buren POTW (South Plant) Entry Time/Date 0845 / April 15, 2008 December 1, 2003																														
-		t Roaren, A		2956															Time)8				nit Ex vemb					
												Numl 479-						•	•					Co	er Fac ordin 35°25	ates:					
Gar P.O	Name, Address of Responsible Official/Title/Phone and Fax Number Gary Smith / Utilities Director / 479-474-5067 / fax / 479-471-8969 P.O. Drawer 1269 Van Buren , AR 72956 Contacted Yes No V																														
										(S =	Satis							During satisfacto			Eval	uated))								
S	Per	mit						U	F	low N	Ieasu	remen	ıt			M	(Operatio	ons &	Main	tenan	ce		M	Sampling						
S	Re	cords	Repo	orts				M	S	elf-M	onito	ring P	rogr	am		S	s	Sludge I	Iandli	ing/Di	sposa	ıl		N	Pollu	ution	Prev	entio	n		
S	Fac	cility	Site F	Reviev	v			S	C	ompl	iance	Sched	lules			N	F	Pretreat	ment					N	Multimedia						
S	Eff	luent	Rece	iving	Wate	rs		S	L	abora	atory					N	S	Storm V	ater					N	Othe	er:					
		~		~ .														Attach a													
Pla	 Section C- Three aerators in cell one were not in operation at time of inspection. Operator had recorded this equipment problem in facility log book and stated that continued problems existed with aerators. Section E- Facility was unable to provide documentation to confirm that monthly flow checks are being performed on the totalizer. At time of inspection, two separate flow checks were conducted and both revealed a > 10% error. Section D- Hose on composite sampler at the facility was very dirty, must be cleaned or replaced. Plant is currently under construction phase to upgrade treatment units and install UV disinfection to replace the current chlorine unit.																														
Nar	ne(s)	and S	ionat	ure(s)	of Ins	specto	orts	5)				Ī	Дое	encv/C)ffice	/Teler	hor	ne/Fax							Date	e.					
Jeff	Tyl	er 9	H	•	OI III	рси	(.	~)					AR	Dept.	of E	nviron	mei	ntal Qua fax / 479	-		Smith	/				e 2, 2	2008				
Sign	atur	e of R	eviev	ver									Ag	ency/0	Office	e/Phor	ne a	nd Fax I	Numbe	ers					Dat	te					

ADEQ Water NPDES Inspection	AFIN: 17-00062	Permit #: AR0021482

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:	
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:	☑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:	ØS □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: Three aerators were not in operation in cell one at time of inspection.	
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: (Detention and generator)	⊠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:	⊠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:	Øy □n □na □ne
12. IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED:	Øy □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:	□y Øn □na □ne
15. IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT:	□y □n ☑na □ne

ADEQ Water NPDES Inspection	AFIN: 17-00062	Permit #: AR0021482

S	ECTION D: SAMPLING	
PI	ERMITTEE SAMPLING MEETS PERMIT REQUIREMENTS	□S ☑M □U □NA □NE
DI	ETAILS: Hose on composite sampler must be cleaned or replaced.	
1.	SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT:	Øy □n □na □ne
2.	LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES:	Øy □n □na □ne
3.	FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT:	Øy □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:	Øy □n □na □ne
6.	SAMPLE COLLECTION PROCEDURES ADEQUATE:	□y Øn □na □ne
	a. SAMPLES REFRIGERATED DURING COMPOSITING:	Øy □n □na □ne
ı	p. 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:	ØY □N □NA □NE
S	ECTION E: FLOW MEASUREMENT	
PI	ERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS	□S □M ☑U □NA □NE
D	ETAILS: Facility unable to provide record of monthly calibration check on totalizer, flow checks performed	d revealed > 10% error.
1.	PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED: TYPE OF DEVICE: 12" parshall f	lume ✓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: (Date of last calibration June 8, 2007)	☑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
S	ECTION F: LABORATORY	
	ERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS	☑S □M □U □NA □NE
	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:	Øy □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: American Interplex	
	b. LAB ADDRESS: 8600 Kanis Road- Little Rock	
	parameters performed: Biomonitoring and NH3-N	
8.	BIOMONITORING PROCEDURES ADEQUATE:	✓Y □N □NA □NE
	a. PROPER ORGANISMS USED:	☑Y □N □NA □NE
	p. 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:	Øy □n □na □ne

ADEQ Water NPDES Inspection	AFIN: 17-00062	Permit #: AR0021482

SECTION	G: EFFLUE	NT/RECEIVIN	IG WATERS	OBSERVATION	ONS						
BASED OF	N VISUAL OBS	ERVATIONS C	NLY			⊠s □m □	U □NA □NE				
DETAILS:	Receiving waters	s at Arkansas Riv	er not observed.								
OUTFALL #:	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOATING SOLIDS	COLOR	OTHER				
001	None	None	None	None	Trace	Clear					
	1	1		1	1	•	1				
SECTION	SECTION H: SLUDGE DISPOSAL										
SLUDGE [DISPOSAL ME	ETS PERMIT R	REQUIREMEN	ΓS		⊠s □m □	U □NA □NE				
DETAILS:	No recent sludge	removal has bee	en performed		•						
1. SLUDGE M	IANAGEMENT ADEQU	ATE TO MAINTAIN EF	FLUENT QUALITY:			⊠s □м	□u □na □ne				
2. SLUDGE R	ECORDS MAINTAINED	O AS REQUIRED BY 40) CFR 503:			□s □м	□u ☑na □ne				
3. FOR LAND	APPLIED SLUDGE, T	PE OF LAND APPLIE	TO: (E.G., FOREST,	AGRICULTURAL, PUE	BLIC CONTACT SITE):						
SECTION	I: SAMPLIN	G INSPECTION	N PROCEDI	JRES							
SAMPLE F	RESULTS WITH	HIN PERMIT R	EQUIREMENT	S		□s □m □	U ⊠NA □NE				
DETAILS:											
1. SAMPLES	OBTAINED THIS INSPI	ECTION:				□Y	☑n □na □ne				
2. TYPE OF S	SAMPLE: GRAB:	COMPOSITE:_ N	METHOD: FREQUE	NCY:							
3. SAMPLES	3. SAMPLES PRESERVED:										
4. FLOW PRO	PORTIONED SAMPLE	S OBTAINED:				□Y	□n ☑na □ne				
5. SAMPLE C	BTAINED FROM FACIL	LITY'S SAMPLING DEV	/ICE:			□Y	□n ☑na □ne				
6. SAMPLE R	EPRESENTATIVE OF	VOLUME AND NATUR	E OF DISCHARGE:			□Y	□n ☑na □ne				
7. SAMPLE S	PLIT WITH PERMITTEI	E:				□Y	□n ☑na □ne				
8. CHAIN-OF-	CUSTODY PROCEDU	RES EMPLOYED:				□Y	□n Øna □ne				
9. SAMPLES	COLLECTED IN ACCO	RDANCE WITH PERM	IT:			□Y	□n ☑na □ne				
	J: STORM V										
STORM W	ATER MANAG	EMENT MEET	S PERMIT RE	QUIREMENTS			U ⊠NA □NE				
DETAILS:	Facility has been	granted a "No e	xposure certifica	tion" by the Depa	artment.						
1. SWPPP UF	PDATED AS NEEDED:	_ DATE OF LAST UP	DATE:				□n ☑na □ne				
2. SITE MAP	INCLUDING ALL DISCH	HARGES AND SURFAC	CE WATERS:			□Y	□N ☑NA □NE				
3. POLLUTIO	N PREVENTION TEAM	IDENTIFIED:				□Y	□N ☑NA □NE				
4. POLLUTIO	N PREVENTION TEAM	PROPERLY TRAINED	:			□Y	□n ☑na □ne				
5. LIST OF PO	OTENTIAL POLLUTANT	Γ SOURCES:				□Y	□n ☑na □ne				
6. LIST OF PO	OTENTIAL SOURCES A	AND PAST SPILLS AND	D LEAKS:				□N ☑NA □NE				
7. ALL NON-S	STORM WATER DISCH	ARGES ARE AUTHOR	IZED:				□N ☑NA □NE				
8. LIST OF S	TRUCTURAL BMPS:						□N ☑NA □NE				
9. LIST OF N	ON-STRUCTURAL BMF	PS:					□N ☑NA □NE				
10. BMPS PRO	PERLY OPERATED A	ND MAINTAINED:					□N ☑NA □NE				
11. INSPECTION	ONS CONDUCTED AS	REQUIRED:				□Y	□n Øna □ne				

		FLOW C	ALCULA	NOITA	SHEET				
Date: 04 -	-15-08	Time: 10	05						
Head in Inc	ches: NA	Feet:	0.62						
Type & Siz	e of Primary F	Flow Measurer	ment De	vice: 12	2" Parsh	all flum	<u> </u>		
Type & Size of Primary Flow Measurement Device: 12" Parshall flume									
Name & Mo	odel of Secon	dary Flow Mea	asureme	ent Dev	ice: Mil	Itronics	PDS-360		
		•							
Date of last	t Calibration o	of Secondary F	low Dev	/ice: Ju	ne 8. 20	07			
2010 01 100	Cambration	n Cocondary 1	1011 201	7100. G	110 0, 20	<u> </u>			
Recorded F	Flow at Date 8	& Time Listed	Above:	3.52		(Facility Flow Meter)		
Calculated	Flow at Date	& Time Listed	Above:	3,11					
		ts in: ISCO Open C			ement Hand	book-5 th Ed	ition -Table # 13-6)		
	Recorded V	/alue - Cal	culated	Value					
% Error =		Calculated Val			X 100				
	3.52	<u> </u>	3.11						
% Error =	3.52	3.11	3.11		X 100				
						L			
% Error =	.041	X 100							
	3.11								
% Error =	0.131	X 100							
o.	40.0	0/							
% Error =	13.2	%							
Comments	: Not within	n +/- 10%, unit	must k	e calib	rated.				

		FLOW C	ALCULA	TION S	SHEET				
Date: 04 -	-15-08	Time: 11 :	30						
Head in Ind	ches: NA	Feet:	1.14						
Гуре & Siz	e of Primary F	low Measurer	nent Dev	vice: 12	" Parsh	all flu	me		
Name & M	odel of Second	lary Flow Mea	asureme	nt Devi	ce: Mi	lltroni	cs PDS-360		
Date of las	t Calibration of	Secondary F	low Dev	ice: Ju i	ne 8, 20	07			
Recorded Flow at Date & Time Listed Above: 3.48 (Facility Flow Meter)									
Calculated	Flow at Date 8	2 Time Listed	Abovo:	3.12					
				_	ment Hand	book-5 th	Edition -Table # 13-6)		
	Recorded Va	alue - Cal	culated \	/alue					
% Error =		Calculated Val	vaiao	X 100					
	3.48	<u> </u>	3.12						
% Error =	3.40	3.12	0.12		X 100				
	026								
% Error =	.036 3.11	X 100							
			1						
% Error =	0.1157	X 100							
% Error =	11.5	%							
Comments	: <u>Not within</u>	+/- 10%, unit	must be	e calib	rated.				

DMR Calculation Check

Reporting Period: From 08 02 01 To 08 02 29

Year Month Day Year Month Day

Parameter Checked: TSS

Concentration Loading Mass **Monthly** Mo. Avg. - lbs/day 7-day Avg. - mg/l Mo. Avg. - mg/l **Reported Value: 35** 908 **36** 908 **35 Calculated Value: 36** 2327 **Permit Value:** 90 135

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

	Water Division NPDES Photographic Evidence Sheet										
Location: City of Van Buren POTW South Plant											
Photograph	er: J	eff Ty	ler		Witness:	None	None				
Photo #	1	Of	2		Date: 04-15-08 Time: 1000						
Description	: T	wo a	erators in	cell one that were not in o	operation at	time of inspecti	on.				



 Photographer:
 Jeff Tyler
 Witness:
 None

 Photo #
 2
 Of
 2
 Date:
 04-15-08
 Time:
 1006

Description: Aerator not in operation in cell one on at time of inspection.



VAN BUREN MUNICIPAL UTILITIES

"Providing Water, Sewer, and Sanitation Services" 2806 Bryan Road / P.O. Drawer 1269 Van Buren, Arkansas 72957 479-474-5067 / Fax 479-471-8969



June 19, 2008

Water Division Enforcement Branch Arkansas Department of Environmental Quality 5301 Northshore Drive North Little Rock, Arkansas 72218-5317

Re: NPDES Permit No. AR0021482 Permit Compliance Inspection dated April 15, 2008



Mr. Tyler:

Please find below our response to the compliance inspection for the above referenced permit;

- Item 1. The aerators were back in operation on April 28, 2008. Although aerator problems are ongoing, the Plant has experienced no excursion during 2008 that were attributed to aerator malfunction.
- Item 2. The totalizer on the effluent flow meter was calibrated on April 16, 2008 by Instrument and Supply Inc.
- Item 3. The operator added a page in the log book to record monthly flow checks of the effluent totalizer.
- Item 4. The tubing on the effluent sampler was replaced on April 17, 2008. Standard procedure is to replace tubing before Quarterly Biomonitoring or as soon as needed.

If you need additional information or have any questions please feel free to contact Steve Dufresne or myself at 479-474-5068.

Respectfully,

Gary Smith

Director of Utilities

Cc: Steve Dufresne, Operations Superintendent,

file