

December 11, 2007

Mr. James Henderson Water and Wastewater Director City of Mountain View P.O. Drawer 360 Mountain View, AR 72560

RE: AFIN: 69-00011 NPDES Permit No.: AR0020117

Dear Mr. Henderson:

On September 25, 2007, I performed a compliance sampling 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 did not reveal any permit violations.

If I can be of any assistance, please contact me at (870) 446-6170 or by e-mail at Kirkpatrick@adeq.state.ar.us.

Sincerely,

Bruce Kirkpatrick

District 2 Field Inspector

Water Division

cc: Water Division Enforcement Branch

Water Division Permits Branch

	ADEQ Water NPDES In	spec	ction		AFIN:	69-000	011				Perm	it #: AR	00201	117			
3	EPA													C		approved 2040-00	03
	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Washington, D.C. 20460																
	NPDES Compliance Inspection Report																
	Section A: National Data System Coding																
Transaction Code NPDES 1 N 2 5 3 A R 0 0 2 0 1				1 1	7	11 12	0	7 0	/r/Mo/ 9	1 1	5 17	Ins	pec. Type	Inspe		Fac. Type	
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	Inspection Work Days 67 69]	Facility I 70	Evaluation 4	n Rating	3	71 N	72	QA N 73	3		74 75	<u></u>	Reserved			80
						Sect	tion B: Fa	cility	Data					T			
incli City	ne and Location of Facility Inspected ade POTW name and NPDES permit of Mountain View Wastewater Trea	numi tmen	<i>ber)</i> t Plant	al users a	lischarg	ging to P	POTW, als	o	Entry Ti 0845 / S			2007		Permit Effective Date August 1, 2003			
	Westwood Avenue ¼ mile north of F ion 10, T11W, R14N in Stone Coun	•	66 East						Exit Tin 1242 / S			2007		Permit Ex July 31, 2		Date	
Mr.	ne(s) of On-Site Representative(s)/Ti Joe Thatcher / Wastewater Plant Ma tey Craig, / Operator / same				lumber(s)							Sar	er Facility l nple Point:			
Nan Mr. Wat City P.O	Jackey Craig, / Operator / same Name, Address of Responsible Official/Title/Phone and Fax Number Mr. James Henderson Water and Wastewater Director City of Mountain View P.O. Drawer 360 Mountain View, AR 72560 Latitude N 35.8665 Longitude W 92.1482																
			(S =						uring Inspiration			nted)					
S	Permit	M		Measure	•		S	T	erations &				S	Sampling			
S	Records/Reports	S	Self-M	Ionitorin	g Progi	ram	S	Sh	Sludge Handling/Disposal N			N	Pollution Prevention				
S	Facility Site Review	N	Comp	liance Sc	hedule	s	N	Pr	etreatmen	t			N	Multimedia			
S	Effluent/Receiving Waters S Laboratory N Storm Water					N	Other:										
Section D: Summary of Findings/Comments (Attach additional sheets if necessary) A February 5, 2007, inspection revealed that the plant effluent flow rate was frequently below the rate which could be accurately measured with a 3 foot rectangular weir with end constrictions. At the time of this inspection, observed recorded flow rates were often less than this minimum flow rate of 0.57 mgd. The plant was in the process of installing a new flow measurement device at the time of this inspection A sample of the effluent at Outfall 001 was collected and transported to the ADEQ Lab for analysis. Sample results were within permit requirements. See Page 8 of this document for analytical results.																	
fac A exc N	At the time of this inspection, construction of a major upgrade to the plant was being performed under the authorization of Permit AR0020117C. In order to facilitate this construction, the final clarifier was out of service. The secondary clarifier was being used as the final clarifier. The bio-tower was off line. A review of Discharge Monitoring reports from January through July 2007 was performed. The 7-day average limit for Nitrate concentration of 10 mg/l was exceeded in June 2007 (reported vale of 13.87 mg/l) and July 2007 (reported value of 21.5 mg/l). No other effluent limit violations were reported. No violations of the NPDES permit were revealed during this inspection.																
	ne(s) and Signature(s) of Inspector(s) Bru	ce Kirkp	atrick	AF	R Dept.		nmer	/Fax ital Qualit D / FAX# (ļ		Date Decembe	r 11, 200)7	
																	

Agency/Office/Phone and Fax Numbers

Signature of Reviewer

Date

ADEQ Water NPDES Inspection	AFIN: 69-00011	Permit #: AR0020117

SECTION A: PERMIT VERIFICATION	
PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS	☑S □M □U □NA □NE
DETAILS:	E3 LM LO LNA LNE
CORRECT NAME AND MAILING ADDRESS OF PERMITTEE:	ØY □N □NA □NE
NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES:	□Y □N ØNA □NE
NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT:	✓Y □N □NA □NE
4. ALL DISCHARGES ARE PERMITTED:	ØY □N □NA □NE
The programme of the contract	
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:	Øy □n □na □ne
SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE:	☑s □m □u □na □ne
a. DATES AND TIME(S) OF SAMPLING:	ØY □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:	ØY □N □NA □NE
f. RESULTS OF ANALYSES:	ØY □N □NA □NE
g. DATES AND TIMES OF ANALYSES:	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
h. NAME OF PERSON(S) PERFORMING ANALYSES:	✓Y □N □NA □NE
LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE:	☑S □M □U □NA □NE
LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE. 4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR:	ØS □M □U □NA □NE
5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA:	ØY □N □NA □NE
6. ETT EGENT EGYBINGG GAEGGENTED GOING BAILT ETT EGENT EGYPAND BAILET ANALETTIGAE BATAN.	ET EN ENA ENE
SECTION C: OPERATIONS AND MAINTENANCE	
TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED	☑S □M □U □NA □NE
DETAILS:	LO LIN LO LIVA LIVE
TREATMENT UNITS PROPERLY OPERATED:	Øs □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: See Section D on page 2 of this document for details.	⊠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:	Øy □n □na □ne
9. STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED:	Øy □n □na □ne
10. PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED:	Øy □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:	☑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

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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	: DY DN DNA ØNE
SECTION E: FLOW MEASUREMENT	
PERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS	☐S ☑M ☐U ☐NA ☐NE
DETAILS:	·
PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED: TYPE OF DEVICE: 3 I WEID WITH END CONSTRUCTIONS.	FOOT RECTANGUALR
2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED:	☑Y □N □NA □NE
3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED	
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:	✓ □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: See Se	
9. HEAD MEASURED AT PROPER LOCATION:	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
SECTION F: LABORATORY	
PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMEN	NTS ØS OM OU ONA ONE
DETAILS:	
1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(B) FOR SLUDGES):	MY □N □NA □NE
2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED:	□Y □N ØNA □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: PO Box 34087, Little Rock, AR 72204-34087	
c. PARAMETERS PERFORMED: TSS,DO, pH, NH3-N, NO3-N, FCB, CBOD	
BIOMONITORING PROCEDURES ADEQUATE: The NPDES Permit does not require biomomitoring.	□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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SECTIO	NG: FFFI UF	NT/RECEIVIN	IG WATERS	OBSERVATION	ONS			
	BASED ON VISUAL OBSERVATIONS ONLY S							
DETAILS: No problems observed in receiving stream below Outfall 001.								
OUTFALL#	<u> </u>	GREASE	TURBIDITY	VISIBLE FOAM	FLOATING SOLIDS	COLOR	OTHER	
001						none	O THE I	
	OUT HOTE HOTE HOTE							
				1		1		
SECTIO	N H: SLUDGE	DISPOSAL						
	DISPOSAL MEI		REQUIREMEN	TS		М ѕ Пм П	U DNA DNE	
}	S: Sludge is dewa				disposal.			
	E MANAGEMENT ADEQU					⊠s □m	□U □NA □NE	
2. SLUDG	E RECORDS MAINTAINE	D AS REQUIRED BY 4	0 CFR 503:				□U □NA ☑NE	
3. FOR LA	ND APPLIED SLUDGE, TY	YPE OF LAND APPLIE	D TO: (E.G., FOREST,	, AGRICULTURAL, PUI	BLIC CONTACT SITE):			
SECTIO	N I: SAMPLIN	G INSPECTION	ON PROCEDI	URES				
SAMPLE	RESULTS WITH	HIN PERMIT R	EQUIREMENT	S		⊠s □m □	U □NA □NE	
DETAILS	S: See analytical	results on Page	8 of this docu	ment.				
1. SAMPL								
2. TYPE C								
3. SAMPL								
4. FLOW F	4. FLOW PROPORTIONED SAMPLES OBTAINED:							
5. SAMPL	5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE:							
6. SAMPL	REPRESENTATIVE OF	VOLUME AND NATUR	E OF DISCHARGE:			₫Y	□N □NA □NE	
7. SAMPL	SPLIT WITH PERMITTE	E:				□Y	☑N □NA □NE	
8. CHAIN-	OF-CUSTODY PROCEDU	RES EMPLOYED:				✓Y	□N □NA □NE	
9. SAMPL	9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT:							
SECTIO	N J: STORM V	WATER POLI	LUTION PRE	VENTION PLA	AN			
STORM	WATER MANAG	EMENT MEET	S PERMIT RE	QUIREMENTS	3		U ⊠NA □NE	
DETAILS	E: The NPDES Pe	rmit for this fac	ility does not re	equire a Storm	Water Pollution P	revention Plan	<u>.</u>	
1. SWPPP	UPDATED AS NEEDED:	_ DATE OF LAST UP	PDATE:			□Y	□N □NA ☑NE	
2. SITE MA	AP INCLUDING ALL DISCH	HARGES AND SURFA	CE WATERS:				□N □NA ☑NE	
3. POLLU	3. POLLUTION PREVENTION TEAM IDENTIFIED: □Y □N □NA ☑NE							
4. POLLU	4. POLLUTION PREVENTION TEAM PROPERLY TRAINED:							
5. LIST OF	5. LIST OF POTENTIAL POLLUTANT SOURCES:							
6. LIST OF	6. LIST OF POTENTIAL SOURCES AND PAST SPILLS AND LEAKS:							
7. ALL NO								
8. LIST OF								
11. INSPEC	11. INSPECTIONS CONDUCTED AS REQUIRED:							

FLOW CALCULATION SHEET										
Date: 9-2	25-05 T	ime: 105	9							
		·								
Head in Inches: Feet: 0.21										
			<u>.</u>							
Type & Size	e of Primary Flow	Measurem	nent Device:	3 foot rectai	ngular weir with e	end				
constriction					J					
Name & Mo	odel of Secondary	Flow Mea	surement D	evice: BIF	/ Greyline SLT 3	2				
				<u> </u>						
Date of last	t Calibration of Sec	condary Fl	ow Device:	6-12-07	_					
		,								
Recorded F	Flow at Date & Tim	e Listed A	bove: 0.6 2	2 mgd	(Facility Flow I	Meter)				
1100014041	1011 at Dato a Till	io Liotou i	(DOVO: 010)	<u> </u>	(i acility i low i	ivietei)				
Calculated	Flow at Date & Tir	ne Listed /	Above: 0.	61 mgd						
	ted using flow charts in: I			surement Handbo	ook-5 th Edition)					
•										
% Error =	Recorded Value	- Calc	ulated Value	9 V 100						
% E1101 =	Calcu	ılated Valu	ie	X 100						
0/ [.62	-	.61	V 400						
% Error =		.61		─ X 100						
	4			<u> </u>						
o/ F	.01	V 400								
% Error =	.61	X 100								
% Error =	.016	X 100								
	1									
% Error =	1.6	%								
Comments:	: Permit require	s +/- 10 %) <u>.</u>							
2 2										

DMR Calculation Check

Reporting Period: From 2007 7 1 To 2007 7 31

Year Month Day Year Month Day

Parameter Checked: TSS

	Loading Mass	Concentration Monthly			
	Mo. Avg lbs/day	Mo. Avg mg/l	7-day Avg mg/l		
Reported Value:	5.7	1.7	2.0		
Calculated Value:	5.7	1.7	2.0		
Permit Value:	91	15	23		

If calculated value does not equal reported value, explain:

Company Name

Company Address Phone: Fax:

- CERTIFICATE OF ANALYSIS -

Phone: Attn: Ext: FAX:

Our Lab#: 2007-2445

Your Sample ID: City of Mountain View

Sample Type: Report Date: 08-Oct-07

CBOD5 5-day carbonaceous BOD 5.81 mg/L 9/26/2007 TSS/TDS Total suspended solids 7.0 mg/L 9/26/2007 NH3-N-ISE 7.75 mg/L Ammonia as nitrogen 10/4/2007 NH3/PO4/NO3 Orthophosphate as phosphorus 4.54 9/26/2007 mg/L Nitrite+Nitrate-N 5.64 mg/L 9/26/2007 FC-MF cfu/100 ml Fecal coliform by membrane filter 9/25/2007 <3 **FIELD** 6.82 mg/L Dissolved oxygen 9/25/2007 Field pH 6.99 SU 9/25/2007