Sepa											Form Approved OMB No. 2040-0003 Approval Expires 7-31-85				
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Washington, D.C. 20460															
NPDES Compliance															
	Section A: Nation	nal Da	ta Sy	stem Codi	ing										
Transaction Code NPDES				yı	r/mo/d	ay		1	Insj	pec. Ty	pec. Type Inspector Fac Type				
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Inspection Work Days Facility Evaluation R	ating	BI	Ç	QA]	Reserv	ed				
67 69 70 3	71	N	72	N 73			74	75							80
	Section 1	B: Fac	ility I	Data											
Name and Location of Facility Inspected (For industrial users dis- include POTW name and NPDES permit number)	charging to POT	W, also	,	Entry Ti 0935 / F			2007			-		fectiv 5, 200		te	
City of Mountain View Wastewater Treatment Plant Located north of Hwy 66 in east Mt. View Stone County			ĺ	Exit Tim 1258 / H			2007			Permit Expiration Date					
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Num Joe Thatcher/Waste Water Plant Manager / 870-269-3293	nber(s)								Oth	her Facility Data					
Jackey Craig										luent Sample Location: 35.8665					
Name, Address of Responsible Official/Title/Phone and Fax Numb James Henderson/ Water and Wastewater Director / 870-269-3 City of Mountain View P.O. Drawer 360 Mountain View, AR 72560				Yes		acted No				V 92.1482					
	etion C: Areas E v ry, M = Marginal,					Evalu	iated)								
S Permit S Flow Measureme	nt	S	Ope	rations &	Main	tenan	ce		S	Sampling					
U Records/Reports S Self-Monitoring	Program	S	Slu	dge Hand	ling/D	isposa	ıl		N	Pollution Prevention					
S Facility Site Review S Compliance Scho	edules	Ν	Pro	etreatmen	t				N	Multimedia					
S Effluent/Receiving Waters S Laboratory		Ν	Sto	rm Water					S	Other: Effluent Limits					
Section D: Summary	of Findings/Com	ments	(Atta	ach additi	onal s	heets	if nec	essary	7)						
 Discharge Monitoring Reports for the months of October, November and December 2006 were reviewed during the inspection. The effluent for the months reviewed was within permit limits however the wrong flow value was being used to calculate monthly average concentrations and monthly average loading. Rather than using the flow for the day the composite sample was collected, the flow for the day the sample was picked up was used. The plant has a maximum design flow of 0.73 MGD. Flow at the time of this inspection was 0.23 MGD. According to the Isco Open Channel Flow Measurement Handbook, Fifth Edition, flows below 0.20 feet of head or 0.56 MGD can not be accurately measured through a 3 foot Rectangular Weir with End Contractions such as the device utilized at this plant. A review of historical flow data indicates there are many days when the plant flow is below the level of accurate measurement by the primary flow measurement device. The operator should routinely check the secondary flow measurement device against the primary device to insure accuracy. A log of the checks should be kept on site. The plant was clean and appeared to be well operated and maintained. The effluent discharged to Hughes Creek was clear with no detectable odor, foam or visible solids. A major modification is under way at the plant with construction expected to be completed by summer of 2007. 															
Name(s) and Signature(s) Tony Morris	Agency/Office/Telephone/Fax ADEQ /Jasper Field Office/ 870-446-2770 /870-446-2181					Date February 13, 2007									
Tony Morris Ø Signature of Reviewer Agency/Office/Phone and Fax Numbers										Dat	e				

EPA Form 3560-3 (Rev. 9-94) Previous editions are obsolete.

	PERMIT NO.: AR0020117
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. S M U NA (FURTHER E DETAILS: Permit requires 3 hr. composite sample for CBOD, TSS, NH3-N and Nitrate + Nitrite Nitrogen, 3 times per mont	
1. SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT.	∎YNNA
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.	R EXPLANATION ATTACHED NO
1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED. TYPE OF DEVICE <u>3 foot Rectangular Weir with End Constrictions</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 (April 12, 2006) 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. ■ SMUNA (FURTHE DETAILS:	ER EXPLANATION ATTACHED <u>No</u>
1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(b) FOR SLUDGES)	■Y N NA
	PAGE 3 OF 4

SECTION F - LABORATORY (CONTD) 2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED Y N NA 3. SATISFACTORY CALIBRATICAN AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT. 4. QUAUTY CONTROL PROCEDURES ADEQUATE 5. SM U NA 4. QUAUTY CONTROL PROCEDURES ADEQUATE 5. SM U NA 5. SUPPLICATE SAMPLES ARE ANALYZED 100, % OF THE TIME 5. SPIKED SAMPLES ARE ANALYZED 100, % OF THE SAMPLES AND		PERMIT	NO.: AR0020117									
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LAB NAME <u>MCCIGIIand Construction Engineers</u> LAB ADDRESS <u>F.O., Box 34887, Little rock, M. 722434087</u> SECTION 6 - (EFFLUENT)RECEIVING WATERS OBSERVATIONS. S M U NA (PURTHER EXPLANATION ATTACHED <u>No</u>). Based on visual observations only. <u>OUTFAIL NO. OIL SHEEN GREASE TURBIDITY VISIBLE FOAM FLOAT SOL COLOR OTHER</u> <u>001 None None None None Clear</u> <u>001 None None None Clear</u> <u>001 Later Comments: A slight algal growth was noted in the receiving stream above and below the discharge point.</u> <u>SECTION H - SLUDGE DISPOSAL</u> <u>SUDGE DISPOSAL MEETS PERMIT REQUIREMENTS</u> <u>S M U NA (PURTHER EXPLANATION ATTACHED NO_)</u> <u>1 subde MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY.</u> <u>S M U NA</u> <u>2 sludge RECORDS MAINTAINED AS REQUIRED BY 40 CPR 03.</u> <u>S M U NA</u> <u>3 FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO Central Landfill (e.g., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE)</u> <u>5 SAMPLES ORTAINED NO.</u> <u>Y N NA</u> <u>3 SAMPLES ORTAINED AS REQUIRED BY 40 CPR 03.</u> <u>Y N NA</u> <u>3 SAMPLES ORTAINED AS REQUIRED BY 40 CPR 03.</u> <u>Y N NA</u> <u>3 SAMPLES ORTAINED AS REQUIRED BY 40 CPR 03.</u> <u>Y N NA</u> <u>3 SAMPLES ORTAINED AS REQUIRED BY 40 CPR 03.</u> <u>Y N NA</u> <u>3 SAMPLES ORTAINED AS REQUIRED BY 40 CPR 03.</u> <u>Y N NA</u> <u>3 SAMPLES ORTAINED AS REQUIRED BY 40 CPR 03.</u> <u>Y N NA</u> <u>3 SAMPLES ORTAINED AS REQUIRED BY 40 CPR 03.</u> <u>Y N NA</u> <u>3 SAMPLES ORTAINED AS REQUIRED BY 40 CPR 03.</u> <u>Y N NA</u> <u>3 SAMPLES ORTAINED AS REQUIRED BY 40 CPR 03.</u> <u>Y N NA</u> <u>3 SAMPLES ORTAINED AS REQUIRED BY 40 CPR 03.</u> <u>Y N NA</u> <u>3 SAMPLES ORTAINED AS REQUIRED BY 40 CPR 03.</u> <u>Y N NA</u> <u>3 SAMPLES ORTAINED AS REQUIRED BY 40 CPR 03.</u> <u>Y N NA</u> <u>3 SAMPLES ORTAINED TON FORCEOURES</u> <u>1 SAMPLES ORTAINED AS REQUIRED BY 40 CPR 03.</u> <u>Y N NA</u> <u>3 SAMPLES ORTAINED DETION <u>Y N NA</u> <u>3 SAMPLES ORTAINED FROM FACILITYS SAMPLING DEVICE.</u> <u>Y N NA</u></u></u></u></u>	6. SPIKED SAMPLES	ARE ANALYZED. 100	% OF THE TIME.				∎Y N	I NA				
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4. FLOW PROPORTIONED SAMPLES OBTAINED. Y N ■ NA 5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE. Y N ■ NA 6. SAMPLE REPRESENTATIVE OF VOLUME AND NATURE OF DISCHARGE. Y N ■ NA			E METHO	DDFRI	EQUENCY							
5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE. Y N ■ NA 6. SAMPLE REPRESENTATIVE OF VOLUME AND NATURE OF DISCHARGE. Y N ■ NA	3. SAMPLES PRESE	RVED.					Y N	I ■ NA				
6. SAMPLE REPRESENTATIVE OF VOLUME AND NATURE OF DISCHARGE. Y N ■ NA	4. FLOW PROPORTION	ONED SAMPLES OBT	AINED.				Y N	I ■ NA				
	5. SAMPLE OBTAINE	ED FROM FACILITY'S	SAMPLING DEVICE.				Y N	I ■ NA				
	6. SAMPLE REPRES	ENTATIVE OF VOLUN	IE AND NATURE OF D	ISCHARGE.			Y N	I ■ NA				
7. SAMPLE SPLIT WITH PERMITTEE. Y N ■ NA	7. SAMPLE SPLIT WI	ITH PERMITTEE.					Y N	■ NA				
8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED. Y N ■ NA	8. CHAIN-OF-CUSTO	DY PROCEDURES E	MPLOYED.				Y N	■ NA				
9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT. Y N ■ NA	9. SAMPLES COLLEC	CTED IN ACCORDAN	CE WITH PERMIT.				Y N					

AR0020117 February 13, 2007 Attachment #1

FLOW CALCULATION SHEET

Field Data: Date <u>02/05/07</u> Time <u>1105</u>

Head in Inches <u>1.75</u> = <u>0.14 Feet</u>

Type & Size of Primary Flow Measurement Device <u>3 Foot Rectangular Weir with Contractions</u> Name & Model of Secondary Flow Measurement Device <u>Sonic Meter</u>

Recorded Flow at date & time listed above _____.23 MGD

According to the **ISCO Open Channel Flow Measurement Handbook-5th Edition** flows below 0.2 inches of head (0.570 MGD) can not be accurately measured with this type of primary flow measurement devise.

February 13, 2007 Attachment # 2

DMR Calculation Check

Parameter Checked: Total Suspended Solids_(TSS)_

Demostin -	Year	Month	Day		Year	Month	Day
Reporting Period:	06	10	01	То	06	10	28

Concentration	Loading Mass Monthly Ave.(lbs/day)	Monthly Ave. (mg/l)	7-day Ave. (mg/l)		
Reported Value:	35.7	9.23	11.0		
Calculated Value:	59.2	9.52	11.0		
Permit Value:	91	15	23		

If calculated value does not equal reported value, explain: The values reported in the DMR do no match the calculated values. I phoned the McClelland Lab. and spoke with the laboratory manager, Ms. Amber Bussell, about the difference. It seems that she was using the flow from the day the samples were picked up rather than the day the 3 hour composite sample was collected. The difference in flow accounts for the differences noted in monthly average concentration and monthly average loading. Ms. Bussell stated that she will correct the DMR and resubmit it to the facility.



February 16, 2007

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

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

Dear Mr. Henderson:

On February 5, 2007, I performed a routine permit compliance inspection of the Mt. View Wastewater Treatment Plant in accordance with the provisions of the federal Clean Water Act, the Arkansas Water and Air Pollution Control Act and the regulations promulgated thereunder. During the course of this inspection the following violations were noted:

1. The mass loading calculations and monthly average concentrations for the October 2006 Discharge Monitoring Report (DMR) was found to be in error. It appears that the wrong flow values were utilized in the calculations submitted in the October DMR. Rather than using the flow value for the day the composite sample was collected, the value for the day the sample was picked up and delivered to the lab was used. Since flow through the plant can vary significantly, it is important to use the correct value.

2. Part II, C, 2 of the permit requires that flow measuring devises be used which are capable of measuring flows with a maximum deviation of less than 10% from true discharge rates throughout the range of discharge volumes. The primary flow measuring devise used at the plant is a Contracted 3 Foot Rectangular Weir. According to the **ISCO Open Channel Flow Measurement Handbook-5th Edition**, flows below 0.2 inches of head (0.570 MGD) can not be accurately measured with this type of primary flow measurement devise. A review of flow records for the plant indicated that daily flow through the plant is frequently below this volume. Accurate flow measurement values are important for a variety of reasons but particularly for calculating loading rates in the plant effluent and determining compliance with the permit discharge limits.

The aforementioned violations require your immediate attention. Please submit a written response to these findings to the NPDES Enforcement Section of this Department. This response should contain documentation describing the course of action taken, or to be taken to correct each item noted. The written response is due by **March 7, 2006.**

Letter to James Henderson February 16, 2007 Page 2

I appreciate the cooperation and courtesy of the staff during my site visit. If you have any questions concerning this inspection or the formal response, please contact me at 870-446-2770.

Sincerely,

Tony L. Morris District Field Inspector ADEQ Water Division

cc: NPDES Branch

Arkansas Department of Environmental Quality (ADEQ) Official Photograph Sheet

Location:	M	t. View	POTW, S	tone County	<u>- upi 81</u>			
Photographe	er:	Tony N	Aorris		Witness:			
Photo #	1	Of	4		Date:	02/05/07	Time:	11:49
Description:			ator with	the plant from the outfall the primary flow measur				
Photographe	er:	Tony N	Aorris		Witness:			
Photo #	2	Of	4		Date:	02/05/07	Time:	11:47
Description:				v measuring devise consi time was approximately		foot rectangu	lar weir witl	h contractions.

Location:	Mt. View POTW, Stone County									
Photographer	r :	Tony N	Aorris		Witness:					
Photo #	3	Of	4		Date:	02/05/07	Time:	11:48		
Description:		Hughs effluen	Creek at t was cle	outfall 001. The discharg ar with no foam, color or	ge from the sodor.	POTW is on the	e left side o	f the creek. The		
Photographer	r :	Tony N	Aorris		Witness:					
Photo #	4	Of	4		Date:	02/05/07	Time:	12:52		
Description:		Lookin	ig into th	e City Park Lift Station. C	ne of the p	umps has been r	removed for	r repairs.		

MOUNTAIN VIEW WATER & WASTEWATE DEPARTMENT

 311 West Main Street

 Drawer 360

 Mountain View Arkansas
 72560

 Phone (870) 269-3293

 Fax (870) 269-9158

0/9575

March 2, 2007

Tony L Morris District Field Inspector ADEQ Water Division 8001 National Drive P.O. Box 8913 Little Rock, Arkansas 72219-8913

Re: ADEQ Site Inspection Wastewater Treatment Plant AFIN # 6900011 NPDES Permit # AR0020117

Dear Mr. Morris,

This letter is in response to your letter of February 16, 2007.

In response to item #1 of your inspection report concerning mass loading and monthly average concentrations, enclosed you will find a copy of a report from the City's Environmental Laboratory. I hope this will satisfy this issue.

Under item #2 of the report, it states that flows below 0.2 inches of head (0.57 mgd) cannot be accurately measured with this type of primary flow measurement device. Calculations show 0.2 inches of head results in a flow of approximately 18,000 gallons per day, not 570,000. I do not have access to the ISCO open Channel Flow Measurement Handbook-5th Edition, and I am not aware of any published limit on the amount of water over a rectangular weir that can be accurately measured.

Please provide the documentation that is referred to. It would seem that any limit would be based on the accuracy of the measuring device. We would be happy to review this further after we receive the referred to documentation.

Please call if you have any further questions or comments.

Sincerely men

James Henderson Water & Wastewater, Director



Environmental Laboratories P.O. Box 34087 Little Rock, Arkansos 72203-4087 501-378-7808 • FAX 501-376-4677

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

RE: Inspection letter

: •

Dear Mr. Henderson-

The following addresses issue number 1 on your letter copied from ADEQ dated February 16, 2007.

#1 - The mass loading and monthly average concentrations for the October 2006 DMR were miscalculated. The DMR has been corrected and sent in. We have take steps to insure this does not happen again.

Please let me know if you need anything further.

Sincerely.

Amber Bussell

Laboratory Manager

MOUNTAIN VIEW WATER & WASTEWA' DEPARTMENT 311 West Main Street

Drawer 360 Mountain View Arkansas 72560 Phone (870) 269-3293 Fax (870) 269-9158

01957 SCN

-SL to Frank

March 2, 2007

Tony L Morris District Field Inspector ADEQ Water Division 8001 National Drive P.O. Box 8913 Little Rock, Arkansas 72219-8913

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Sincerely

James Henderson Water & Wastewater, Director