



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460

NPDES Compliance Inspection Report

Form Approved
OMB No. 2040-0003
Approval Expires 7-31-85

Section A: National Data System Coding

Transaction Code	NPDES	yr/mo/day	Inspec. Type	Inspector	Fac Type	
1 <input type="text" value="N"/> 2 <input type="text" value="5"/> 3 <input type="text" value="A"/> <input type="text" value="R"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/> 11 12 <input type="text" value="0"/> <input type="text" value="6"/> <input type="text" value="1"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="4"/> 17 18 <input type="text" value="C"/> 19 <input type="text" value="S"/> 20 <input type="text" value="1"/>	Remarks					
<input type="text" value="A"/> <input type="text" value="F"/> <input type="text" value="I"/> <input type="text" value="N"/> <input type="text" value="0"/> <input type="text" value="3"/> <input type="text" value="-"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="3"/> <input type="text" value="9"/>						
Inspection Work Days	Facility Evaluation Rating	BI	QA	-----Reserved-----		
67 <input type="text"/> <input type="text"/> <input type="text"/> 69	70 <input type="text" value="5"/>	71 <input type="text" value="N"/>	72 <input type="text" value="N"/>	73 <input type="text"/>	74 75 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> 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) City of Mountain Home Wastewater Treatment Plant 537 Hicks Road, 1/4 mile off Highway 201 south Mountain Home, AR 72653 Baxter County	Entry Time /Date 0943 / 12-14-06	Permit Effective Date May 1, 2005
	Exit Time/Date 1416 / 12-14-06	Permit Expiration Date April 30, 2010
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Mr. Terry Sanders / Plant Supervisor / 870-425-6510 Mr. James Hestley / 870-425-6510	Other Facility Data Effluent Sample Location: N-36-48-04.7 W-92-22-54.6	
Name, Address of Responsible Official/Title/Phone and Fax Number Ms. Alma Clark / Water and Wastewater Director / 870-425-5115 City of Mountain Home 720 South Hickory, Mountain Home, AR 72653	Contacted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

<input type="text" value="S"/>	Permit	<input type="text" value="S"/>	Flow Measurement	<input type="text" value="S"/>	Operations & Maintenance	<input type="text" value="S"/>	Sampling
<input type="text" value="S"/>	Records/Reports	<input type="text" value="S"/>	Self-Monitoring Program	<input type="text" value="S"/>	Sludge Handling/Disposal	<input type="text" value="N"/>	Pollution Prevention
<input type="text" value="S"/>	Facility Site Review	<input type="text" value="S"/>	Compliance Schedules	<input type="text" value="N"/>	Pretreatment	<input type="text" value="N"/>	Multimedia
<input type="text" value="S"/>	Effluent/Receiving Waters	<input type="text" value="S"/>	Laboratory	<input type="text" value="N"/>	Storm Water	<input type="text" value="S"/>	Other: Effluent Limits

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

During the course of the inspection the Discharge Monitoring Reports for January through November 2006 were reviewed. No effluent violations were reported during this period. The plant was found to be well-maintained and in good working condition at the time of this inspection. Required facility records were found to be well-organized and complete. The inspection found the facility to be in compliance with the terms of its permit.

Name(s) and Signature(s) of Inspector(s) Bruce Kirkpatrick 	Agency/Office/Telephone/Fax Arkansas Dept. of Environmental Quality /Jasper/ 870-446-6170 /870-446-2181	Date December 19, 2006
Signature of Reviewer	Agency/Office/Phone and Fax Numbers	Date

SECTION A - PERMIT VERIFICATION

PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS DETAILS: S M U NA (FURTHER EXPLANATION ATTACHED 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. DETAILS: S M U NA (FURTHER EXPLANATION ATTACHED 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. 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. DETAILS: Lift stations are checked daily. The County Road 390 Lift Station was inspected and found in good condition with audible and visible alarms. S M U NA (FURTHER EXPLANATION ATTACHED No)

- 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. (Generator- 60 kw) 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. 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

SECTION C - OPERATIONS AND MAINTENANCE (CONT'D)

9. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR? Y N NA
 IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED? Y N NA
 HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS? Y N NA

10. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT? Y N NA
 IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT? Y N NA

SECTION D - SAMPLING

PERMITTEE Sampling MEETS PERMIT REQUIREMENTS. S M U NA (FURTHER EXPLANATION ATTACHED No).
 DETAILS: **Permit specifies 6 hr. composite for CBOD, TSS, and Nh3-N. Facility is collecting 24 hr. composite which was noted on all DMR's reviewed.**

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 EXPLANATION ATTACHED No)
 DETAILS:

1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED. Y N NA
 TYPE OF DEVICE 2 foot Parshall flume

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 25, 2006)) Y N NA
 RECORDS MAINTAINED OF CALIBRATION PROCEDURES. Y N NA
 CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE. (monthly) 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. S M U NA (FURTHER EXPLANATION ATTACHED No)
 DETAILS:

1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(b) FOR SLUDGES) Y N NA

SECTION F - LABORATORY (CONT'D)

- 2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED Y N NA
- 3. SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT. S M U NA
- 4. QUALITY CONTROL PROCEDURES ADEQUATE. S M U NA
- 5. DUPLICATE SAMPLES ARE ANALYZED, 100 % OF THE TIME Y N NA
- 6. SPIKED SAMPLES ARE ANALYZED, 100 % OF THE TIME. Y N NA
- 7. COMMERCIAL LABORATORY USED. (State certified) Y N NA

LAB NAME ETC
 LAB ADDRESS 2790 Whitten Road, Memphis, TN 38133 (901-213-2400)
 PARAMETERS PERFORMED Biomonitoring, Influent& effluent priority pollutant scan, copper, sludge analyses

SECTION G - (EFFLUENT)/RECEIVING WATERS OBSERVATIONS. S M U NA (FURTHER EXPLANATION ATTACHED No).

Based on visual observations only.

OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOAT SOL.	COLOR	OTHER
001	None	None	None	None	None	Clear	

Comments:

SECTION H - SLUDGE DISPOSAL

SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS. S M U NA (FURTHER EXPLANATION ATTACHED No).
 DETAILS: Grit and Bar screen waste disposed at a class 1 landfill. By means of a belt press, the sludge is dewatered with the solids disposed at a class I landfill. The landfill requires a TCLP, Paint Filter and PCB's once per year. Thus far in 2006 128 dry tons of belt press sludge was disposed at the landfill.

- 1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY. S M U NA
- 2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503. S M U NA
- 3. FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO: N/A (e.g., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE)

SECTION I - SAMPLING INSPECTION PROCEDURES (FURTHER EXPLANATION ATTACHED No)

- 1. SAMPLES OBTAINED THIS INSPECTION. Y N NA
- 2. TYPE OF SAMPLE OBTAINED - N/A
 GRAB COMPOSITE SAMPLE METHOD FREQUENCY
- 3. SAMPLES PRESERVED. Y N NA
- 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
- 7. SAMPLE SPLIT WITH PERMITTEE. Y N NA
- 8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED. Y N NA
- 9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT. Y N NA

FLOW CALCULATION SHEET

Field Data: Date 12/14/2006 Time 1006

Head in Inches 9.75" = 0.8125 Feet

Type & Size of Primary Flow Measurement Device

2 Foot Parshall Flume

Name & Model of Secondary Flow Measurement Device

Isco 3230

Recorded Flow at date & time listed above 3.79 MGD

Flows are calculated from flow charts taken from the ISCO Open Channel Flow Measurement Handbook-5th Edition

From Table 13-8 Flow = 3.75 MGD

% error = $\frac{(\text{recorded value} - \text{calculated value})}{\text{calculated value}} \times 100$

% error = $\frac{3.79-3.75}{3.75} \times 100$

% error = 1.1 %

Percent error less than +/- 10 %-- OK

DMR Calculation Check

Reporting Period: From 2006 10 01 To 2006 10 01
 Year Month Day Year Month Day

Parameter Checked: Total Suspended Solids (TSS)

	<u>Quantity</u> Mass Monthly <u>Avg-lb/day</u>	Monthly <u>Avg-Mg/L</u>	7-day <u>Avg-Mg/l</u>
Reported Value:	102.65	4.73	5.4
Calculated Value:	103	4.63	5.4
Permit Value:	625.5	15	23

If calculated value does not equal reported value, explain: Slight differences most likely due to rounding. OK

ADEQ

ARKANSAS
Department of Environmental Quality

December 27, 2006

Ms. Alma Clark, Director of Water and Wastewater
City of Mountain Home
720 South Hickory
Mountain Home, AR 72653

Re: AFIN: 03-00039 NPDES Permit No. AR0021211

Dear Ms. Clark:

On December 14, 2006, I performed a routine permit compliance inspection of the Mountain Home Wastewater 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 that you are in compliance with the terms of your permit.

If you have any questions concerning this inspection, please feel free to contact me at 870-446-6170.

Sincerely,



Bruce Kirkpatrick
District Field Inspector
Water Division

cc: NPDES Branch

WATER DIVISION