

ADEQ

ARKANSAS
Department of Environmental Quality

February 16, 2010

Alma Clark, Director of Water and Waste Water
City of Mountain Home
720 South Hickory
Mountain Home, AR 72653

RE: Waste Water Treatment Plant Permit Compliance Inspection

AFIN: 03-00039

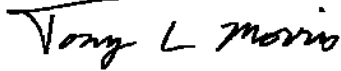
NPDES Permit No.: AR0021211

Dear Ms. Clark:

On February 11, 2010, I performed a routine compliance inspection of the Mountain Home Waste Water 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. This inspection revealed that the facility is in compliance with the terms of the permit.

During my Permit Compliance Inspection I found the plant to be well maintained and consistently producing high quality effluent. I appreciate the courtesy extended to me during this site visit and if I can be of any assistance, please contact me at 870-446-2770 or by e-mail at morris@adeq.state.ar.us.

Sincerely,



Tony L. Morris
District 2 Field Inspector
ADEQ Water Division

cc: Water Division Enforcement Branch
Water Division Permits Branch



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 2 5 3 A R 0 0 2 1 2 1 1 11 12 0 9 0 3 1 0 17 18 C 19 S 20 1	Remarks																																																																		
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">0</td><td style="width:10%;">3</td><td style="width:10%;">-</td><td style="width:10%;">0</td><td style="width:10%;">0</td><td style="width:10%;">0</td><td style="width:10%;">3</td><td style="width:10%;">9</td><td style="width:10%;"></td><td style="width:10%;"></td><td style="width:10%;"></td><td style="width:10%;"></td><td style="width:10%;"></td><td style="width:10%;"></td><td style="width:10%;"></td><td style="width:10%;"></td><td style="width:10%;"></td><td style="width:10%;"></td><td style="width:10%;"></td><td style="width:10%;"></td> </tr> <tr> <td colspan="4">Inspection Work Days</td> <td colspan="4">Facility Evaluation Rating</td> <td colspan="2">BI</td> <td colspan="2">QA</td> <td colspan="8">Reserved</td> </tr> <tr> <td colspan="2">67</td><td colspan="2"></td><td colspan="2">69</td> <td colspan="2">70</td><td colspan="2">5</td> <td colspan="2">71 N 72 N 73</td><td colspan="2"></td><td colspan="2">74</td><td colspan="2">75</td><td colspan="2"></td><td colspan="2">80</td> </tr> </table>						0	3	-	0	0	0	3	9													Inspection Work Days				Facility Evaluation Rating				BI		QA		Reserved								67				69		70		5		71 N 72 N 73				74		75				80	
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67				69		70		5		71 N 72 N 73				74		75				80																																															

Section B: Facility Data

Name and Location of Facility Inspected (<i>For industrial users discharging to POTW, also include POTW name and NPDES permit number</i>) City of Mountain Home Waste Water Treatment Plant 537 Hicks Road, ¼ mile east of Hwy 201 South Mountain Home, Baxter County	Entry Time/Date 10:00 February 11, 2010	Permit Effective Date May 1, 2005
	Exit Time/Date 12:45 February 11, 2010	Permit Expiration Date April 30, 2010
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Terry Sanders / Plant Supervisor / 870-425-6510 James Hestley / Lab Technician / 870-425-6510	Other Facility Data N 36.3012 W 92.3815	
Name, Address of Responsible Official/Title/Phone and Fax Number Ms. Alma Clark / Water and Waste Water Director City of Mountain Home 720 South Hickory Mountain Home, AR 72653	Contacted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Section C: Areas Evaluated During Inspection

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

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

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

1. The plant was found to be clean, orderly and well operated.
2. The treated discharge to Hicks Creek was clear with no detectable foam or odor.
3. Discharge monitoring reports for November 2009, December 2009 and January 2010 were reviewed during this inspection. All water quality parameters were below permit limits.
4. The plant has a design maximum hydraulic capacity of 12 mgd and a maximum treatment capacity of 5 mgd. The plant was running at approximately 4.1 mgd at the time of this site visit.

Name(s) and Signature(s) of Inspector(s) Tony L. Morris	Agency/Office/Telephone/Fax AR Dept. of Environmental Quality-Jasper Field Office 870-446-2770/ 870-446-2181 (Fax)	Date February 12, 2010
Signature of Reviewer	Agency/Office/Phone and Fax Numbers	Date

SECTION A: PERMIT VERIFICATION

PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS

S M U NA NE

DETAILS:

- | | |
|--|--|
| 1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES: | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE |
| 3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 4. ALL DISCHARGES ARE PERMITTED: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> 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: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE: | <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE |
| a. DATES AND TIME(S) OF SAMPLING: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| b. EXACT LOCATION(S) OF SAMPLING: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| c. NAME OF INDIVIDUAL PERFORMING SAMPLING: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| d. ANALYTICAL METHODS AND TECHNIQUES: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| e. RESULTS OF CALIBRATIONS: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| f. RESULTS OF ANALYSES: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| g. DATES AND TIMES OF ANALYSES: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| h. NAME OF PERSON(S) PERFORMING ANALYSES: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE: | <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR: | <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |

SECTION C: OPERATIONS AND MAINTENANCE

TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED

S M U NA NE

DETAILS:

- | | |
|---|---|
| 1. TREATMENT UNITS PROPERLY OPERATED: | <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 2. TREATMENT UNITS PROPERLY MAINTAINED: | <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED: <u>60 KW Generator</u> | <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE: | <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 5. ALL NEEDED TREATMENT UNITS IN SERVICE: | <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED: <u>10 Licensed Operators</u> | <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED: | <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 8. OPERATION AND MAINTENANCE MANUAL AVAILABLE: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 9. STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 10. PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 11. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 12. IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 13. HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 14. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT: | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 15. IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT: | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE |

SECTION D: SAMPLING

PERMITTEE SAMPLING MEETS PERMIT REQUIREMENTS

S M U NA NE

DETAILS:

1. SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
2. LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
3. FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
4. SAMPLING AND ANALYSES COMPLETED ON PARAMETERS SPECIFIED IN PERMIT:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
5. SAMPLING AND ANALYSES PERFORMED AT FREQUENCY SPECIFIED IN PERMIT:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
6. SAMPLE COLLECTION PROCEDURES ADEQUATE:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
a. SAMPLES REFRIGERATED DURING COMPOSITING:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
b. PROPER PRESERVATION TECHNIQUES USED:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
c. CONTAINERS AND SAMPLE HOLDING TIMES CONFORM TO 40 CFR 136:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
7. IF MONITORING IS PERFORMED MORE OFTEN THAN REQUIRED ARE RESULTS REPORTED ON THE DMR:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE

SECTION E: FLOW MEASUREMENT

PERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS

S M U NA NE

DETAILS:

1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED: __ TYPE OF DEVICE: <u>2 Foot Parshall Flume</u>	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
4. CALIBRATION FREQUENCY ADEQUATE:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
5. RECORDS MAINTAINED OF CALIBRATION PROCEDURES:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
6. CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
7. FLOW ENTERING DEVICE WELL DISTRIBUTED ACROSS THE CHANNEL AND FREE OF TURBULENCE:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
8. FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGE OF FLOW RATES:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
9. HEAD MEASURED AT PROPER LOCATION:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE

SECTION F: LABORATORY

PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS

S M U NA NE

DETAILS:

1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(B) FOR SLUDGES) :	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
3. SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
4. QUALITY CONTROL PROCEDURES ADEQUATE:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
5. DUPLICATE SAMPLES ARE ANALYZED \geq 10% OF THE TIME:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
6. SPIKED SAMPLES ARE ANALYZED \geq 10% OF THE TIME:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
7. COMMERCIAL LABORATORY USED: <u>For Biomonitoring and Sludge Analysis</u>	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
a. LAB NAME: <u>ETC of Memphis</u>	
b. LAB ADDRESS: <u>2790 Whitter Rd. Memphis, Tn 38133</u>	
c. PARAMETERS PERFORMED: <u>Biomonitoring, Sludge analysis for TCLP, Paint Filter Liquid Test, copper</u>	
8. BIOMONITORING PROCEDURES ADEQUATE:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE
a. PROPER ORGANISMS USED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE
b. PROPER DILUTION SERIES FOLLOWED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE
c. PROPER TEST METHODS AND DURATION:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE
d. RETESTS AND/OR TRE PERFORMED AS REQUIRED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE

SECTION G: EFFLUENT/RECEIVING WATERS OBSERVATIONS

BASED ON VISUAL OBSERVATIONS ONLY S M U NA NE

DETAILS: The discharge looked very good

OUTFALL #:	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOATING SOLIDS	COLOR	OTHER
	None	None	None	None	None	Clear	

SECTION H: SLUDGE DISPOSAL

SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS S M U NA NE

DETAILS:

- SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY: S M U NA NE
- SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503: S M U NA NE
- FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO: (E.G., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE): Sludge is landfilled at Neighbors LF

SECTION I: SAMPLING INSPECTION PROCEDURES

SAMPLE RESULTS WITHIN PERMIT REQUIREMENTS S M U NA NE

DETAILS:

- SAMPLES OBTAINED THIS INSPECTION: Y N NA NE
- TYPE OF SAMPLE: GRAB:__ COMPOSITE:__ METHOD:__ FREQUENCY:
- SAMPLES PRESERVED: Y N NA NE
- FLOW PROPORTIONED SAMPLES OBTAINED: Y N NA NE
- SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE: Y N NA NE
- SAMPLE REPRESENTATIVE OF VOLUME AND NATURE OF DISCHARGE: Y N NA NE
- SAMPLE SPLIT WITH PERMITTEE: Y N NA NE
- CHAIN-OF-CUSTODY PROCEDURES EMPLOYED: Y N NA NE
- SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT: Y N NA NE

SECTION J: STORM WATER POLLUTION PREVENTION PLAN

STORM WATER MANAGEMENT MEETS PERMIT REQUIREMENTS S M U NA NE

DETAILS:

- SWPPP UPDATED AS NEEDED:__ DATE OF LAST UPDATE: Y N NA NE
- SITE MAP INCLUDING ALL DISCHARGES AND SURFACE WATERS: Y N NA NE
- POLLUTION PREVENTION TEAM IDENTIFIED: Y N NA NE
- POLLUTION PREVENTION TEAM PROPERLY TRAINED: Y N NA NE
- LIST OF POTENTIAL POLLUTANT SOURCES: Y N NA NE
- LIST OF POTENTIAL SOURCES AND PAST SPILLS AND LEAKS: Y N NA NE
- ALL NON-STORM WATER DISCHARGES ARE AUTHORIZED: Y N NA NE
- LIST OF STRUCTURAL BMPS: Y N NA NE
- LIST OF NON-STRUCTURAL BMPS: Y N NA NE
- BMPS PROPERLY OPERATED AND MAINTAINED: Y N NA NE
- INSPECTIONS CONDUCTED AS REQUIRED: Y N NA NE

FLOW CALCULATION SHEET

Date:	02/11/10	Time:	11:29	
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Head in Inches:	11.37	Feet:	0.94	
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Type & Size of Primary Flow Measurement Device:
2 Foot Parshall Flume

Name & Model of Secondary Flow Measurement Device:
Isco Bubble Flow meter

Date of last Calibration of Secondary Flow Device:
 2/11/10

Recorded Flow at Date & Time Listed Above:	4.2 mgd	(Facility Flow Meter)
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Calculated Flow at Date & Time Listed Above:	4.6 mgd	
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(Flow is calculated using flow charts in: ISCO Open Channel Flow Measurement Handbook-5th Edition)

% Error =	Recorded Value	-	Calculated Value	X 100	
	Calculated Value				

% Error =	4.2	-	4.6	X 100	
	4.6				

% Error =	.4		X 100	
	4.6			

% Error =	0.086		X 100	
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% Error =	8.6	%	
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Comments: **Difference is acceptable**

DMR Calculation Check

Reporting Period: From 2010 1 01 To 2010 1 31
 Year Month Day Year Month Day

Parameter Checked: CBOD

	Loading Mass Mo. Avg. - lbs/day	Concentration Monthly Mo. Avg. - mg/l	7-day Avg. - mg/l
Reported Value:	<u>58.3</u>	<u>2.77</u>	<u>3.17</u>
Calculated Value:	<u>58.14</u>	<u>2.77</u>	<u>3.17</u>
Permit Value:	<u>417</u>	<u>10</u>	<u>15</u>

If calculated value does not equal reported value, explain: Values are equal

DMR Calculation Check

Reporting Period: From 2010 1 01 To 2010 12 31
 Year Month Day Year Month Day

Parameter Checked: TSS

	Loading Mass	Concentration	
	Mo. Avg. - lbs/day	Mo. Avg. - mg/l	7-day Avg. - mg/l
Reported Value:	<u>143</u>	<u>6.88</u>	<u>9.90</u>
Calculated Value:	<u>142.6</u>	<u>6.8</u>	<u>9.9</u>
Permit Value:	<u>625.5</u>	<u>15</u>	<u>23</u>

If calculated value does not equal reported value, explain: Values are equal

Water Division NPDES Photographic Evidence Sheet

Location: Mountain Home POTW

Photographer: Tony L. Morris **Witness:** Terry Sanders

Photo # 1 **Of** 4 **Date:** 02/11/10 **Time:** 11:26

Description: The bar screen in the head works of the plant.



Photographer: Tony L. Morris **Witness:** Terry Sanders

Photo # 2 **Of** 4 **Date:** 02/11/10 **Time:** 11:27

Description: Anoxic tank prior to discharge to oxidation basin.



Water Division NPDES Photographic Evidence Sheet

Location:	Mountain Home POTW						
Photographer:	Tony L. Morris			Witness:	Terry Sanders		
Photo #	3	Of	4	Date:	02/11/10	Time:	11:53
Description:	Sludge press building with sludge being discharged to roll of container to be landfilled.						



Photographer:	Tony L. Morris			Witness:	Terry Sanders		
Photo #	4	Of	4	Date:	02/11/10	Time:	11:42
Description:	Hicks Creek immediately downstream of the plant outfall with clear water.						

