



Form Approved
OMB No. 2040-0003
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460

NPDES Compliance Inspection Report

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 0 0 3 6 11 12 0 7 0 8 1 7 17 18 C 19 S 20 1					
Remarks					
A F I N 3 3 - 0 0 0 2 6					
Inspection Work Days	Facility Evaluation Rating	BI	QA	Reserved	
67 <input type="text"/> <input type="text"/> <input type="text"/> 69	70 3	71 N	72 N 73 <input type="text"/> <input type="text"/> <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) Melbourne Wastewater Treatment Plant End of Highway #9 Spur Melbourne, AR 72556 (Izard County)	Entry Time /Date 1300 / August 17, 2007	Permit Effective Date September 1, 2005
	Exit Time/Date 1500 / August 17, 2007	Permit Expiration Date August 31, 2010
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Mr. Coy Dale / Superintendent of Water & Wastewater / 870-368-4215 Cell 870-291-7773		Other Facility Data N36°03'33.347" W91°55'34.137"
Name, Address of Responsible Official/Title/Phone and Fax Number Coy Dale / Superintendent of Water & Wastewater / 870-368-4215 P.O. Box 278 Melbourne, AR 72556	Mr. 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)

DMR's for May, June and July, 2007 were reviewed during the inspection.

The effluent appeared to be within permit limits.

The plant overall appeared to be clean and well maintained

Name(s) and Signature(s) of Inspector(s) <i>Mike Kennedy</i> Mike Kennedy	Agency/Office/Telephone/Fax ADEQ/Batesville/870-793-5819/870-793-5814	Date August 22, 2007
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 N
 - 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. (CBOD & NH3-N) 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: 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) S M U NA
- 4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE. (High water level alarms) S M U NA
- 5. ALL NEEDED TREATMENT UNITS IN SERVICE.(One clarifier down because of low flow, but the unit was operational) S M U NA
- 6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED. (1-Class III & 1-Class II) S M U NA
- 7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED. (Some parts on hand) 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 SELF-MONITORING MEETS PERMIT REQUIREMENTS. S M U NA (FURTHER EXPLANATION ATTACHED No).
 DETAILS:

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 3 inch 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 July, 2007) Y N NA
 RECORDS MAINTAINED OF CALIBRATION PROCEDURES. Y N NA
 CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE. (once each month) 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 - Not following exact procedures for TSS 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. (EPA Outside Quality Control samples 1 time per year) S M U NA
5. DUPLICATE SAMPLES ARE ANALYZED, 10 to 100% OF THE TIME. Y N NA
6. SPIKED SAMPLES ARE ANALYZED, 10% OF THE TIME. Y N NA
7. COMMERCIAL LABORATORY USED. (State Certified) Y N NA

LAB NAME Arkansas Testing Laboratories
 LAB ADDRESS P.O. Box 729 Searcy, AR 72143
 PARAMETERS PERFORMED CBOD, Ammonia Nitrogen, TSS, Fecal Coliform, Total Residual Chlorine, DO, & Flow

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	Slight	NONE	TRACE	Clear	

Comments:

SECTION H - SLUDGE DISPOSAL

SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS. S M U NA (FURTHER EXPLANATION ATTACHED No).
 DETAILS: (Bar Screen to Class I Landfill, Drying bed solids and sludge is disposed by land application on grass land. Lime stabilization used taking sludge to a pH of 12+ for 2 hours. Last year 4.46 dry tons of sludge was applied during Fiscal Year 2006. The records were submitted in their annual report.

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: Grass land (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 August 17, 2007 Time 1350
Head in Inches 8.5 = .708 Feet

Type & Size of Primary Flow Measurement Device

3 inch Parshall Flume

Name & Model of Secondary Flow Measurement Device

Badger Meter Model 3000

Recorded Flow at date & time listed above .41 MGD

*Flows are calculated from flow charts taken from the ISCO Open Channel Flow Measurement Handbook-5th
1.547*

From (Table 13.3) $MGD = 0.6411 H(.708) = .376$

$$\% \text{ error} = \frac{.41 - .376}{.376} \times (100) =$$

$$\% \text{ error} = \frac{(.41 - .376) \times (100)}{.376} = 9.04\%$$

% error = 9.04% Less than ± 10% error OK

AR0020036

Attachment # 2

August 22, 2007

DMR Calculation Check

Reporting Period: From 2007 July 01 To 2007 July 31
Year Month Day Year Month Day

Parameter Checked: TSS

	Mass	Concentration	
	Monthly Avg. (lbs/ day)	Mo. Avg.-Mg/l	7 day/Max.- Mg/l
Reported Value:	9.1	8	11
Calculated Value:	9.1	8	11
Permit Value:	51	15	23

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

ADEQ

A R K A N S A S
Department of Environmental Quality

August 27, 2007

Mr. Coy Dale, Water & Sewer Superintendent
City of Melbourne
P.O. Box 278
Melbourne, AR 72556

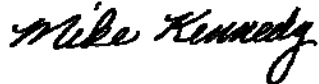
Re: AFIN: 33-00026 NPDES Permit No. AR0020036

Dear Mr. Dale:

On August 17, 2007, I performed a routine inspection of your 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 terms of your permit.

If I can be of any assistance, please contact me at 870-793-5819.

Sincerely,



Mike Kennedy
District Field Inspector
Water Division

cc: Water Division Enforcement Branch
Water Division Permit Branch