



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

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

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	3	0	3	11	12	0	6	1	2	2	8	17	18	C	19	S	20	1	
Remarks																													
A F I N 6 0 - 0 2 7 4 P u l a s k i C o u n t y																													
Inspection Work Days						Facility Evaluation Rating						BI		QA		-----Reserved-----													
67						70						2		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> North Little Rock Wastewater Utility - Faulkner Lake POTW located at 7400 Baucum Pike in North Little Rock, AR	Entry Time /Date 1030 on 12-28-06	Permit Effective Date 3-1-04
	Exit Time/Date 1515 on 12-28-06	Permit Expiration Date 12-31-07

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)

Johnny English - Chief Operator / (501)-945-7186
 Lyle Leubner - Operator
 Shannon Wayson - Chemist / (501)-945-7186 ext. 104

Other Facility Data

Name, Address of Responsible Official/Title/Phone and Fax Number

Gary Mills - Utility Manager / (501)-945-7186
 7400 Baucum Pike
 North Little Rock, AR 72117

 Contacted
 Yes No x

Section C: Areas Evaluated During Inspection

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

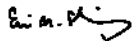
S	Permit	S	Flow Measurement	S	Operations & Maintenance	M	Sampling
S	Records/Reports	M	Self-Monitoring Program	S	Sludge Handling/Disposal	N	Pollution Prevention
S	Facility Site Review	N	Compliance Schedules	N	Pretreatment	N	Multimedia
S	Effluent/Receiving Waters	S	Laboratory	N	Storm Water	S	Other:

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

Section D – Sampling

The relinquishing of the Bioassy samples is unsatisfactory. The Chain of Custody record shows lapses of custody between the sampler, the courier, and contract lab.

Storm Water – Based upon my inspection, it was determined that the “No Exposure” Certification is not applicable at this POTW, due to untreated facility outfalls leaving the property. An outfall was noted on the south side of the property, just east of the old outfall structure.

Name(s) and Signature(s) of Inspector(s) Eric M. Fleming / 	Agency/Office/Telephone/Fax ADEQ / Little Rock / (501)-682-0659	Date 12-28-06
Signature of Management QA Reviewer	Agency/Office/Phone and Fax Numbers	Date

SECTION A - PERMIT VERIFICATION

PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS S M U NA (FURTHER EXPLANATION ATTACHED no)
 DETAILS:

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. S M U NA (FURTHER EXPLANATION ATTACHED no)
 DETAILS:

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 NA

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. S M U NA (FURTHER EXPLANATION ATTACHED no)
 DETAILS:

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. AP&L contract 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 NA

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 NA

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 yes).

DETAILS:

Composite samples are 24 hour flow proportional, not 12 hour flow proportional as required by the Permit.

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 136.3. 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 4 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 11-13-06) Y N NA
 RECORDS MAINTAINED OF CALIBRATION PROCEDURES. Y N NA
 CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE. 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) (all but TRC) 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. > 10 % OF THE TIME. Y N NA
6. SPIKED SAMPLES ARE ANALYZED. > 10 % OF THE TIME. Y N NA
7. COMMERCIAL LABORATORY USED. Y N NA

LAB NAME American Interplex Corporation LAB NAME Huther and Associates, Inc.
 LAB ADDRESS 8600 Kanis Road, Little Rock, AR LAB ADDRESS 1156 North Bonnie Brae St., Denton, TX
 PARAMETERS PERFORMED Table II, & Table III for Influent, effluent, and sludge PARAMETERS PERFORMED Bioassay

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

OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOAT SOL.	COLOR	OTHER
001	none	none	none	none	none	clear	-

RECEIVING WATER OBSERVATIONS Receiving stream was not observed.

SECTION H - SLUDGE DISPOSAL

SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS. S M U NA (FURTHER EXPLANATION ATTACHED no).

DETAILS:

Facility has a sludge press. Dried sludge is then used as a composting agent.

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
 GRAB _____ COMPOSITE SAMPLE _____
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 MATURE 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

DMR Calculation Check

Reporting Period: from 06 10 01 to 06 10 31
 year month day year month day

Parameter Checked: pH, S.U.

	<u>Quantity</u>	
	<u>Min.</u>	<u>Max.</u>
Reported Value:	6.34	7.10
Calculated Value:	6.34	7.10
Permit Value:	6	9

If calculated value does not equal reported value, explain:

SAME

Flow Calculation Sheet

Field Data: Date 12-28-06 Time 1025 hrs.

Head 0.75 feet

Type & Size of Flow Monitoring Device 4 foot Parshall flume

Name & Model of Flow Monitoring Device Milltronics Hydro Ranger

Recorded Flow at date & time listed above 6.53 MGD

Reference for Flow Calculations Isco Open Channel Flow Measurement Handbook

Calculations:

0.750 feet = 6.57 MGD

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

% error = $\frac{6.53-6.57}{6.57} \times 100$

% error = -0.6 % error

ADEQ

ARKANSAS
Department of Environmental Quality

January 3, 2007

Gary Mills, Utility Manager
North Little Rock Wastewater Utility
P.O. Box 17898
North Little Rock, AR 72117-0898

Re: AFIN: No. 60-00274

NPDES Permit Nos. AR0020303, AR0020320, and AR0038288

Dear Mr. Mills

On December 27 and December 28, 2006, I performed routine permit compliance inspections at all 3 of the above referenced facilities. These inspections were performed in accordance with the provisions of the federal Clean Water Act, the Arkansas Water and Air Pollution Control Act and the regulations promulgated thereunder. These inspections revealed the following violations:

AR0020320 – Five Mile Creek POTW

1. The east curtain and the center curtain in the polishing pond are sagging and in need of repair.
2. Flow Measurement calibration checks are being performed, but a % error is not being calculated to see if the equipment is within 10%.
3. The 1.5 foot rectangular weir has end contractions, and is not partially contracted as stated. By using the wrong calibration calculation, the flow measurement percent error is 29.3%.

AR0020303 – Faulkner Lake POTW

1. Based upon my inspection, it was determined that the “No Exposure” Certification is not applicable at this POTW, due to untreated facility outfalls leaving the property. An outfall was noted on the south side of the property, just east of the old outfall structure.

AR0038288 – White Oak Bayou POTW

1. Not all discharges are permitted. It appears that the manhole next to the clarifier periodically overflows. The area downslope from the manhole is washed out causing the concrete sidewalk to collapse. A few small grease balls were noted in the grass next to the manhole.

WATER DIVISION

2. The influent samples are not flow proportional as required by the Permit.
3. A flow calculation check revealed an error of 14.7%.

It was also found that the relinquishing of the Bioassy samples, for all 3 POTW's, is unsatisfactory. The Chain of Custody records show lapses of custody between the sampler, the courier, and contract lab.

The aforementioned violations require your immediate attention. Please submit a written response to these findings to the NPDES Enforcement Section of this Department when the violations have been corrected. This response should contain documentation describing the course of action taken to correct each item noted. This corrective action should be completed as soon as possible and the written response is due by January 24, 2007.

If you have any questions concerning this inspection, please feel free to contact me at (501) 682-0659.

Sincerely,

Eric M. Fleming
Inspector
Water Division

cc: NPDES Branch