ADEQ

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

June 4, 2008

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

AFIN: 60-00274 NPDES Permit No.: AR0020303-Faulkner Lake

Dear Mr. Mills:

On May 19, 2008, I performed a routine Compliance Evaluation Inspection, and SSO 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 (501)-682-0659.

Sincerely,

Eric M. Fleming
Inspector
Water Division

cc: Enforcement Branch

EPA

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 N 2 5 3	A R 0 0 2 0 3 0 3 11 12	0 8 0 5 1 9 17 18	C 19	S 20	1

Remarks: AFIN 60-02741 Pulaski County

Inspection Work Days	Facility Evaluation Rating	BI	QA	Reserved
67 69	70 4	71 N 72	N 73	74 75 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)***
North Little Rock Wastewater Utility - Faulkner Lake POTW
located at 7400 Baucum Pike in North Little Rock, AR

Entry Time /Date
1130 on 5-19-08

Exit Time/Date
1530 on 5-19-08

Permit Effective Date
4-1-08

Permit Expiration Date
3-31-13

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)
Lyle Leubner - Operator / (501)-945-7186
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)

	Permit		Flow Measurement		Operations & Maintenance		Sampling
S	Records/Reports	S	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	M	Other: SSO

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

Section D – Sampling

The facility collects 24 hour composite samples instead of a 12 hour sample as the Permit requires.

See also the SSO Inspection dated 5-19-08.

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Telephone/Fax	Date
Eric M. Fleming / Eric M. Fleming	ADEQ / Little Rock / (501)-682-0659	5-19-08
Signature of Management QA Reviewer	Agency/Office/Phone and Fax Numbers	Date

	Permit No. AR0020303

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

PERMIT NO. AR0020303

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 11-16-07)*	■ 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 Environmental Services Corporation LAB NAME Huther and Associates, Inc.

LAB ADDRESS 13715 W. Markham, 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	algae

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 08 01 01 to 08 01 31**
year month day year month day

Parameter Checked: TRC, mg/L

	Quantity
	Instantaneous Max.
Reported Value:	**0.14**
Calculated Value:	**0.14**
Permit Value:	**1.1**

If calculated value does not equal reported value, explain:

SAME

Flow Calculation Sheet

Field Data: **Date 5-19-08 Time 1330 hrs.**

Head 0.71 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 6.01 MGD

Reference for Flow Calculations Isco Open Channel Flow Measurement Handbook

Calculations:

0.71 feet = 6.02 MGD

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

$$\% \text{ error} = \frac{6.01-6.02}{6.02} \times 100$$

% error = -0.2% error