

December 18, 2012

Ken Johnson, Manager Pine Bluff Wastewater Utility 1520 South Ohio Street Pine Bluff, Arkansas 71601-6055

RE: Wastewater Treatment System Sanitary Sewer Collection System Industrial Stormwater "No Exposure Certification" Pretreatment Compliance System

AFIN: 35-00149

NPDES Permit No.: AR0033316 ISW Tracking No.: ARR000451

Dear Mr. Johnson:

On December 12, 2012, I conducted a routine compliance inspection of the wastewater treatment system in accordance with the provisions of the Federal Clean Water Act, the Arkansas Water and Air Pollution Control Act, and the regulations promulgated thereunder. At the time of inspection, the facility appeared to be in compliance with the applicable regulations.

If I can be of any assistance, please contact me at (870) 247-5155 or e-mail at Henderson@adeq.state.ar.us.

Sincerely,

7. Henderson

Steven L. Henderson District 6 Inspector Water Division

cc: Water Division Enforcement Branch Water Division Permits Branch AFIN: 35-00149

| \$ | EPA | | | | | | | | | | | | | | | | Form Approved OMB No. 2040-0003 | | |
|--|--|-------|------------------|---------------------|------------------|--------|-------------------------------------|--------|----------|-----------------|---|-------------|--------|--------|-----|------------------------|--|--|--|
| | | UNII | ED ST | ATES ENV | | | | TECTIO | N AGE | NCY | | | | | | | | | |
| | NPDE | 5 (| יסח ^י | | ashingtor Anc | , | | ner | rtin | n l | Renoi | rt | | | | | | | |
| | NPDES Compliance Inspection Report Section A: National Data System Coding | | | | | | | | | | | | | | | | | | |
| | Transaction Code | | | NPD | | | | | | | | r/Mo/I | Day | | | Ins | pec. Type Inspector Fac. Type | | |
| 1 | 1 N 2 5 3 A R 0 0 3 3 3 1 6 11 12 1 2 1 2 1 2 1 7 18 Remarks | | | | | | | | | | | C 19 S 20 1 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | Reserved | | | | | | | |
| | 67 69 | | 7 | 70 3 | ļ | | | 71 | Ν | 72 | N 73 | | | 74 | 75 | | 80 | | |
| | | | | | | | Se | ction | B: Fa | cility | | | | | | | | | |
| | ne and Location of Facility Inspected and POTW name and NPDES permit | | | trial use | ers disc | charg | ing to | POT | W, also |) | Entry Tin ~8:30 a.u | | | 2/2012 | 2 | | Permit Effective Date | | |
| City | of Pine Bluff Wastewater Utility - miles from Highway 79 on Island I | - Boy | d Poi | | | Facili | ity | | | | | | | | | | September 1, 2009 | | |
| 900 | Island Harbor Marina Road | | | i ina ixo | au | | | | | | Exit Time/Date ~3:00 p.m. 12/12/2012 | | | 2 | | Permit Expiration Date | | | |
| Section 22, Township 5 South, Range 9 West Jefferson County, Arkansas | | | | | | | | | | August 31, 2014 | | | | | | | | | |
| Vin | ne(s) of On-Site Representative(s)/T cent Miles, Laboratory Supervisor cey Carpenter, Senior Lab Technic | • | | e and Fa 535-082 | | | | 243 Fa | ax | | | | | | | | ner Facility Data 34 16' 17.89 | | |
| | ne, Address of Responsible Official/ | | Phone | and Fax | Numb | ber | | | | | | | | | | | 91 58' 21.17" | | |
| Ker | a Johnson, Manager e Bluff Wastewater Utility | | | -6603 | | | | | | | | Con | tacted | | | AI | <u> R0033316 Inspection Only –</u> | | |
| 152 | 0 South Ohio Street | | | | | | | | | | Yes | | No | 7 | | PDS# 069264 | | | |
| rm | e Bluff, Arkansas 71601-6055 | | | | | | | | | | 105 | | 110 | | | Ar | <u> RR000451 – PDS# 069267</u> | | |
| | | | (| S = Sati | | | | | | | u ring Insp sfactory, N | | t Eval | uated) | | | | | |
| S | Permit | S | Flo | w Meas | ureme | nt | | | S | Op | erations & | : Mair | tenar | ce | | S | Sampling | | |
| S | Records/Reports | S | Self | -Monito | oring F | Progr | am | | S | Slu | dge Hand | ling/D | isposa | ıl | | Ν | N Pollution Prevention | | |
| S | Facility Site Review | Ν | Сог | nplianc | e Sche | dules | | | S | Pre | etreatment | | | | | Ν | Multimedia | | |
| S | Effluent/Receiving Waters | S | | oratory | | of Fis | dina | | S | | rm Water tach additi | | haata | if noo | | S | Other: Effluent Limits | | |
| | A routine inspection | | | | - | | - | | | | | | | | - | | rkansas Water and Air | | |
| | - | | | | | | | | | | - | | | | | | gated thereunder. At the | | |
| | time of inspection, th | e fa | cilit | y app | eare | ed t | o be | e in | com | plia | ance wi | th t | he a | ppli | cab | le r | egulations. | | |
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| | | | | | | | | | | | | | | | | | | | |
| | ne(s) and Signature(s) of Inspector(s | | | | | 0 | | | /Telep | | | (070) | 247 | 195 | | | Date | | |
| ġ | an A. Handerm Steven L. He | nders | son | | | AD | ьų/ | •• mte | : 11all/ | (070) | 247-5155 | (070) | 24/-3 | 103 | | | December 13, 2012 | | |
| | | | | | | | | | | | | | | | | | | | |
| Signature of Reviewer Agency | | | | | | | Agency/Office/Phone and Fax Numbers | | | | | | | Date | | | | | |

| ADEQ Water NPDES Inspection |
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Permit #: AR0033316

| SECTION A: PERMIT VERIFICATION | |
|---|-----------------------|
| PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS | 🗹 S 🗆 M 🗇 U 🗆 NA 🗇 NE |
| DETAILS: | |
| 1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE: | Øy 🗆n 🗆na 🗇ne |
| 2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES: | |
| 3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT: | |
| 4. ALL DISCHARGES ARE PERMITTED: | Øy 🗆n 🗆na 🗆ne |
| | |
| SECTION B: RECORDKEEPING AND REPORTING EVALUATION | |
| RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT | |
| DETAILS: | |
| 1. ANALYTICAL RESULTS CONSISTENT WITH DATA REPORTED ON DMRS: | |
| 2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE: | 🗹 s 🗆 m 🗇 u 🗆 na 🗠 ne |
| a. DATES AND TIME(S) OF SAMPLING: | Øy 🗆n 🗆na 🗇ne |
| b. EXACT LOCATION(S) OF SAMPLING: | |
| c. NAME OF INDIVIDUAL PERFORMING SAMPLING: | |
| d. ANALYTICAL METHODS AND TECHNIQUES: | |
| e. RESULTS OF CALIBRATIONS: | |
| f. RESULTS OF ANALYSES: | Øy 🗆n 🗆na 🖾ne |
| g. DATES AND TIMES OF ANALYSES: | |
| h. NAME OF PERSON(S) PERFORMING ANALYSES: | |
| 3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE: | Øs 🗆m 🗇u 🗇na 🗇ne |
| 4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR: | 🗹 s 🗆 m 🗇 u 🗆 na 🗠 ne |
| 5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA: | |
| | |
| SECTION C: OPERATIONS AND MAINTENANCE | |
| TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED | ØS OM OU ONA ONE |
| DETAILS: | |
| 1. TREATMENT UNITS PROPERLY OPERATED: | Øs Om Ou Ona One |
| 2. TREATMENT UNITS PROPERLY MAINTAINED: | Øs 🗆m 🗇u 🖾na 🖾ne |
| 3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED: | |
| 4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE: | |
| 5. ALL NEEDED TREATMENT UNITS IN SERVICE: | |
| 6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED: | |
| 7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED: | |
| 8. OPERATION AND MAINTENANCE MANUAL AVAILABLE: | |
| 9. STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED: | |
| 10. PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED: | |
| 11. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR: | |
| 12. IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED: | |
| 13. HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS: | |
| 14. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT: | |
| 15. IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT: | Dy Dn Øna Dne |

| SECTION D: SAMPLING | |
|---|---------------------------|
| PERMITTEE SAMPLING MEETS PERMIT REQUIREMENTS | Øs □m □u □na □ne |
| DETAILS: | |
| 1. SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT: | |
| 2. LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES: | Øy 🗆n 🗆na 🗇ne |
| 3. FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT: | |
| 4. SAMPLING AND ANALYSES COMPLETED ON PARAMETERS SPECIFIED IN PERMIT: | |
| 5. SAMPLING AND ANALYSES PERFORMED AT FREQUENCY SPECIFIED IN PERMIT: | |
| 6. SAMPLE COLLECTION PROCEDURES ADEQUATE: | |
| a. SAMPLES REFRIGERATED DURING COMPOSITING: | |
| b. PROPER PRESERVATION TECHNIQUES USED: | |
| c. CONTAINERS AND SAMPLE HOLDING TIMES CONFORM TO 40 CFR 136: | |
| 7. IF MONITORING IS PERFORMED MORE OFTEN THAN REQUIRED ARE RESULTS REPORTED ON THE DMR: | |
| | |
| SECTION E: FLOW MEASUREMENT | |
| PERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS | |
| DETAILS: | |
| 1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED: TYPE OF DEVICE:: 2' Par | shall Flume ØY ON ONA ONE |
| 2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED: | |
| 3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED: | |
| 4. CALIBRATION FREQUENCY ADEQUATE: | |
| 5. RECORDS MAINTAINED OF CALIBRATION PROCEDURES: | |
| 6. CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE: | |
| 7. FLOW ENTERING DEVICE WELL DISTRIBUTED ACROSS THE CHANNEL AND FREE OF TURBULENCE: | |
| 8. FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGE OF FLOW RATES: | |
| 9. HEAD MEASURED AT PROPER LOCATION: | |
| | |
| SECTION F: LABORATORY | |
| PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS | |
| DETAILS: | |
| 1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(B) FOR SLUDGES) : | |
| 2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED: | |
| 3. SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT: | |
| 4. QUALITY CONTROL PROCEDURES ADEQUATE: | |
| 5. DUPLICATE SAMPLES ARE ANALYZED ≥10% OF THE TIME: | |
| 6. SPIKED SAMPLES ARE ANALYZED ≥10% OF THE TIME: | |
| 7. COMMERCIAL LABORATORY USED: | |
| a. LAB NAME: Environmental Testing & Consulting, Inc. American Interplex | |
| b. LAB ADDRESS: 2790 Whitten Road, Memphis, Tennessee 38133-4753 8600 Kanis Road, Little R | Pock, Arkansas 72204 |
| c. PARAMETERS PERFORMED: Bio-monitoring Nitrite plus Nitrate Nitrog | gen, Total Phosphorus |
| 8. BIOMONITORING PROCEDURES ADEQUATE: | |
| a. PROPER ORGANISMS USED: | |
| b. PROPER DILUTION SERIES FOLLOWED: | |
| c. PROPER TEST METHODS AND DURATION: | |
| d. RETESTS AND/OR TRE PERFORMED AS REQUIRED: | |
| | |

| | Wator. | NDDEQ | Inspection |
|------|--------|-------|------------|
| ADLQ | vvalei | | inspection |
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AFIN: 35-00149

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| SECTION G: EFFLUENT/RECEIVING WATERS OBSERVATIONS | | | | | | | | | | | | | |
|--|---|---------------------|----------------------|-------------------|---------------------|-------|---------------|--|--|--|--|--|--|
| BASED ON | N VISUAL OBS | ERVATIONS C | ONLY | | | Øs ⊡m | | | | | | | |
| DETAILS: | | | | | | | | | | | | | |
| OUTFALL #: | OIL SHEEN | GREASE | TURBIDITY | VISIBLE FOAM | FLOATING SOLIDS | COLOR | OTHER | | | | | | |
| 001 | None | None | None | None | None | Clear | None | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
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| SECTION | H: SLUDGE | DISPOSAL | | | | | | | | | | | |
| SLUDGE D | SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS 🗹 S 🗆 M 🗆 U 🗆 NA 🗠 NE | | | | | | | | | | | | |
| DETAILS: | | | | | | | | | | | | | |
| 1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY: ✓S □M □U □NA □NE | | | | | | | | | | | | | |
| 2. SLUDGE R | ECORDS MAINTAINE | DAS REQUIRED BY 40 | 0 CFR 503: | | | ⊡s [| ∃m ⊡u ⊠na ⊡ne | | | | | | |
| 3. FOR LAND | APPLIED SLUDGE, T | PE OF LAND APPLIE | D TO: (E.G., FOREST, | AGRICULTURAL, PUE | BLIC CONTACT SITE): | | | | | | | | |
| | | | | | | | | | | | | | |
| SECTION | I: SAMPLIN | G INSPECTIO | | JRES | | | | | | | | | |
| SAMPLE F | RESULTS WITH | HIN PERMIT R | EQUIREMENT | 'S | | □s □m | | | | | | | |
| DETAILS: | | | | | | | | | | | | | |
| 1. SAMPLES | OBTAINED THIS INSPI | ECTION: | | | | | Dy On Ona Øne | | | | | | |
| 2. TYPE OF S | AMPLE: GRAB: | | /ETHOD: FREQUE | NCY: | | | | | | | | | |
| | | | | | | | | | | | | | |
| 4. FLOW PRO | PORTIONED SAMPLE | S OBTAINED: | | | | | DY ON ONA ØNE | | | | | | |
| 5. SAMPLE O | BTAINED FROM FACIL | LITY'S SAMPLING DE | /ICE: | | | | □y □n □na Øne | | | | | | |
| 6. SAMPLE R | EPRESENTATIVE OF | VOLUME AND NATUR | E OF DISCHARGE: | | | | □y □n □na Øne | | | | | | |
| 7. SAMPLE S | PLIT WITH PERMITTEI | E: | | | | | DY ON ONA ØNE | | | | | | |
| 8. CHAIN-OF- | CUSTODY PROCEDU | RES EMPLOYED: | | | | | DY DN DNA ØNE | | | | | | |
| 9. SAMPLES | COLLECTED IN ACCO | RDANCE WITH PERM | IT: | | | | DY ON ONA ØNE | | | | | | |
| | | | | | | | | | | | | | |
| SECTION | J: STORM W | VATER POLL | UTION PREV | VENTION PL | AN | | | | | | | | |
| STORM W | ATER MANAG | EMENT MEET | S PERMIT RE | QUIREMENTS | 6 | □s □m | | | | | | | |
| DETAILS: | No exposure | status | | | | | | | | | | | |
| | PDATED AS NEEDED: | | DATE: | | | | DY DN DNA ØNE | | | | | | |
| 2. SITE MAP | INCLUDING ALL DISCH | HARGES AND SURFA | CE WATERS: | | | | DY DN DNA ØNE | | | | | | |
| 3. POLLUTIO | N PREVENTION TEAM | IDENTIFIED: | | | | | □y □n □na Øne | | | | | | |
| 4. POLLUTIO | N PREVENTION TEAM | PROPERLY TRAINED |): | | | | □y □n □na Øne | | | | | | |
| 5. LIST OF PO | OTENTIAL POLLUTAN | F SOURCES: | | | | | DY ON ONA ØNE | | | | | | |
| 6. LIST OF PO | DTENTIAL SOURCES A | AND PAST SPILLS ANI | D LEAKS: | | | | □y □n □na Øne | | | | | | |
| 7. ALL NON-S | STORM WATER DISCH | ARGES ARE AUTHOR | RIZED: | | | | □y □n □na Øne | | | | | | |
| 8. LIST OF ST | RUCTURAL BMPS: | | | | | | □y □n □na Øne | | | | | | |
| 9. LIST OF NO | ON-STRUCTURAL BMF | PS: | | | | | □y □n □na Øne | | | | | | |
| 10. BMPS PRC | PERLY OPERATED A | ND MAINTAINED: | | | | | □y □n □na Øne | | | | | | |
| 11. INSPECTIO | ONS CONDUCTED AS | REQUIRED: | | | | | □y □n □na Øne | | | | | | |
| | | | | | | 1 | | | | | | | |

AFIN: 35-00149

Permit #: AR0033316

| FLOW CALCULATION SHEET | | | | | | | | | | | | |
|---|----------------|---------------|----------------|---------------|----------------|------------------|------------------------|-----------------------|--|--|--|--|
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Date: 12/ | 12/2012 | Ti | me: 11: | 00 a.m. | | | | | | | | |
| | | • | | | | | | | | | | |
| Head in Inches: 16.0 Feet: 1.33 | | | | | | | | | | | | |
| Type & Size of Primary Flow Measurement Device: 2' Parshall Flume | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Name & Model of Secondary Flow Measurement Device: ISCO 2410 | | | | | | | | | | | | |
| Name & Mi | Dael of Se | condary i | | surement | | ce: 150 | 0 241 | 0 | | | | |
| | | | | | | | | | | | | |
| Date of last | t Calibratio | on of Sec | ondary F | low Devic | e: Ap | ril 10, 20 | 012 | | | | | |
| Recorded F | | to 9 Time | b listed / | | .28 | | | / _ | | | | |
| Recolded r | -10w at Da | | | Above. | .20 | | | (Facility Flow Meter) | | | | |
| Calculated | | | | | 7.76 | | | | | | | |
| (Flow is calcula | ted using flow | charts in: IS | CO Open C | hannel Flow N | <u>Aeasure</u> | ement Handl | book-5 th E | dition) | | | | |
| | Recorde | ed Value | - Calo | culated Va | alue | X 100 | | | | | | |
| % Error = | | Calcul | ated Val | d Value | | | | | | | | |
| | - | ~~ | 1 1 | 7 70 | | | | | | | | |
| % Error = | 1.1 | 28 | 7.76 | 7.76 | | X 100 | | | | | | |
| | | | 1.10 | | | | | | | | | |
| % Error = | -0. | .48 | X 100 | | | | | | | | | |
| 70 Enor = | 7. | 76 | X 100 | | | | | | | | | |
| % Error = | -0.0 |)618 | X 100 | | | | | | | | | |
| | 0.0 | | | | | | | | | | | |
| % Error = | -6. | .18 | % | | | | | | | | | |
| Commonto | . | | | | | | | | | | | |
| Comments | • | | | | | | | | | | | |
| | | | | | | | | | | | | |

| ADEQ Water NPDES | Inspection | AFIN | l: 35-00149 | | Pe | Permit #: AR0033316 | | | |
|--------------------------|------------|-----------------|-------------|-----------|----|---------------------|-------------------|--------|--|
| | | DN | AR Calculat | tion Chee | ck | | | | |
| Reporting Period: | From | | 10 | 01 | | 2012 | 10 | 31 | |
| | | Year | Month | Day | | Year | Month | Day | |
| Parameter Checked: | | TSS | _ | | | | | | |
| |] | Loading Mass | | | | | ntration nthly | | |
| | Mo. A | Avg lbs/ | /day | Mo. A | vg | mg/l | · | g mg/l | |
| Reported Value: | | | | | 60 | | | | |
| Calculated Value: | | | | | 60 | | 67 | | |
| Permit Value: | | | | | 90 | | 135 | 5 | |

If calculated value does not equal reported value, explain: EQUAL