

ADEQ

ARKANSAS
Department of Environmental Quality

August 14, 2019

Mr. David Vondran, General Manager
City of Benton
1827 Dale Avenue
Benton, AR 72015

RE: City of Benton WWTP Inspection
AFIN: 63-00063 Permit No.: AR0036498

Dear Mr. Vondran:

On July 23, 2019, I performed a Compliance Evaluation Inspection of the above referenced 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. A copy of the inspection report is enclosed for your records.

Please refer to the “Summary of Findings” section of the attached inspection report. Please provide a written response outlining the steps that are being taken to replace the oxidation ditch impeller. The response should include an approximate date for completion of the corrective action. This response should be mailed to the attention of the Office of Water Quality Compliance Branch at the address at the bottom of this letter or e-mailed to Water-Inspection-Report@adeq.state.ar.us. This corrective action should be completed as soon as possible, and the written response with all necessary documentation (i.e. photos) is due by **September 13, 2019**.

If I can be of any assistance, please contact me at Bolenbaugh@adeq.state.ar.us or 501-682-0659.

Sincerely,



Jason Bolenbaugh
Compliance Branch Manager
Office of Water Quality

CC: Jonathan Buff, Wastewater Superintendent, jwbuff@bentonar.org



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

WATER DIVISION INSPECTION REPORT

| | | |
|---|---------------------|-----------------|
| AFIN: 63-00063 | PERMIT #: AR0036498 | DATE: 7/23/2019 |
| COUNTY: 63 Saline | PDS #: 108906 | MEDIA: WN |
| GPS LAT: 34.551672 LONG: -92.593291 LOCATION: Outfall | | |

| FACILITY INFORMATION | INSPECTION INFORMATION |
|--|--|
| NAME: City of Benton WWTP LOCATION: 616 W. Hazel St. CITY: Benton | FACILITY TYPE: 1 - Municipal INSPECTOR ID#: 83321 S - State FACILITY EVALUATION RATING: 4 - Satisfactory INSPECTION TYPE: Compliance Evaluation |
| | DATE(S): 7/23/2019 ENTRY TIME: 09:00 EXIT TIME: 12:30 PERMIT EFFECTIVE DATE: 9/30/2008 PERMIT EXPIRATION DATE: 9/30/2013 |
| RESPONSIBLE OFFICIAL | |
| NAME / TITLE: Mr. David Vondran / General Manager COMPANY: City of Benton MAILING ADDRESS: 1827 Dale Avenue CITY, STATE, ZIP: Benton AR 72015 PHONE & EXT. / FAX: 501-776-5984 / EMAIL: dvondran@bentonar.org | FAYETTEVILLE SHALE RELATED: N FAYETTEVILLE SHALE VIOLATIONS: N |
| CONTACTED DURING INSPECTION: No | INSPECTION PARTICIPANTS |
| | NAME/TITLE/PHONE/FAX/EMAIL/ETC.: Mr. Jonathon Buff, WWTP Sup., City of Benton Mr. Gregory Becker, Lead Operator, City of Benton Ms. Dena Marcetti, Operator III, City of Benton Blain Sanders, OWQ Inspector, ADEQ |

AREA EVALUATIONS

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


| | | | | | |
|-----------|-------------------------|----------|--------------------------|----------|-------------------------|
| S | PERMIT | S | FLOW MEASUREMENT | N | STORMWATER |
| S | RECORDS/REPORTS | S | LABORATORY | S | FACILITY SITE REVIEW |
| S | OPERATION & MAINTENANCE | S | EFFLUENT/RECEIVING WATER | S | SELF-MONITORING PROGRAM |
| S | SAMPLING | S | SLUDGE HANDLING/DISPOSAL | N | PRETREATMENT |
| ** | OTHER: | | | | |

SUMMARY OF FINDINGS

- Only minor maintenance issues were identified during the inspection but neither affected the proper operation of the facility or resulted in violations of the permit effluent limitations. The facility had an impeller fall off in the mixing zone of Oxidation Ditch #1 and was formulating ideas on how to retrieve the impeller and repair it without taking the ditch out of service. Secondary Clarifier #2 had some minor buildup of algae on it but that is a common occurrence during the hot summer months. The staff typically cleans the clarifiers on Wednesday and Friday each week. Bank A of the UV system had two ballasts out due to wiring issues. Secondary Clarifier #1 is currently out of service as the facility prepares to replace the drive and platform. The facility is also working an aerator platform in the Equalization basin.
- The sludge dryer was taken out of service in 2018 and transported to a company in Texas where a significant overhaul of the dryer occurred. As a result, the efficiency of the dryer increased dramatically where the material being dried now may take only 8 hours to process compared to 24 hours prior to the overhaul. Waste is stored in a silo and is hauled off by Manco Environmental Services.
- The Equalization Basin is not on the main treatment plant property. It is located south of the property on South Market Street. The basin has a bar screen at the site so all water routed back to the treatment plant is sent directly to the oxidation ditches.
- Staff uses Maintenance Pro 7.0 to monitor all maintenance activities at the facility and ensure projects are completed according to the schedules.
- The facility has 4 permanent backup generators (2-250 KW, 1-750 KW, 1-1750 KW).

GENERAL COMMENTS

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| | | |
|---|-------------------------|------------------------|
| INSPECTOR'S SIGNATURE: ←Click text to left to add signature | -Inspector Name | DATE: |
| SUPERVISOR'S SIGNATURE:  | Jason Bolenbaugh | DATE: 8/13/2019 |

| SECTION A: PERMIT VERIFICATION | |
|--|---|
| PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS | <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE |
| DETAILS: | |
| 1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE: Mr. Vondran @ 1827 Dale Avenue, Benton, AR 72015 | <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: Only permitted outfall is 001 | <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 | <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE |
| DETAILS: Laboratory bench sheet for July 11 was reviewed during the inspection. | |
| 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: Ms. Angela Freeman is the WWTP's Chemist | <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 | <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE |
| DETAILS: Staff has and continues to make many improvements to the facility and operations. | |
| 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: Facility battles normal buildup of algae in clarifiers | <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: 4 permanent backup generators | <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: SCADA, 4 backup generators, 3 shifts | <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: Impeller in mixing zone has fallen off but facility staff are reviewing methods to recover and replace the impeller | <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: Jonathon Buff (Class IV – Manager), Gregory Becker (Class IV), Angela Freeman (Class IV), Dena Marcetti (Class III – City Title), Michael Lewis, David Alford, Jaleen Cobbs, Sam Donahue, Ethan Woods, and Gunter Beaty (Class I operators) | <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: Detailed list provided by the Mr. Buff | <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: Both | <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: Collection System team is working on repairing the system to significantly reduce Infiltration and Inflow (I/I) | <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 checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 15. IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT: Overflows within the plant collection system | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |

| SECTION D: SAMPLING | |
|--|---|
| PERMITTEE SAMPLING MEETS PERMIT REQUIREMENTS | <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> 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: 24-hr Composites | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" 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: See Comments & Attached Permit Appeal Resolution (PAR) 08-004-P | <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: Composite sampler was at 0°C when checked | <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 type="checkbox"/> NA <input checked="" type="checkbox"/> NE |
| SECTION E: FLOW MEASUREMENT | |
| PERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS | <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE |
| DETAILS: Calibration check was within ±10% of true discharge. | |
| 1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED: Yes TYPE OF DEVICE: 3' Parshall Flume | <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: Eastech Ultrasonic Vantage 2210 | <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 | <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> 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 ≥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 ≥10% OF THE TIME: | <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE |
| 7. COMMERCIAL LABORATORY USED: Yes and No. Internal lab tests CBOD, TSS, NH3-N (All Composite), DO, FCB, and pH (All Grab) | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| a. LAB NAME: American Interplex Corporation | |
| b. LAB ADDRESS: 8600 Kanis Road, Little Rock, AR 72204 | |
| c. PARAMETERS PERFORMED: Total Phosphorus, Nitrate + Nitrite, Hardness (All Grab), WET Testing (Composite) | |
| 8. BIOMONITORING PROCEDURES ADEQUATE: 2nd 2018 Report reviewed | <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| a. PROPER ORGANISMS USED: Pimephales promelas (Chronic) & Ceriodaphnia dubia (Chronic) | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| b. PROPER DILUTION SERIES FOLLOWED: 32%, 42%, 56%, 75%, and 100% (Critical) | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| c. PROPER TEST METHODS AND DURATION: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| d. RETESTS AND/OR TRE PERFORMED AS REQUIRED: | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE |

| SECTION G: EFFLUENT/RECEIVING WATERS OBSERVATIONS | | | | | | | |
|--|-----------|--------|-----------|--------------|-----------------|---|-------|
| BASED ON VISUAL OBSERVATIONS ONLY | | | | | | <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE | |
| DETAILS: Effluent was clear. | | | | | | | |
| OUTFALL #: | OIL SHEEN | GREASE | TURBIDITY | VISIBLE FOAM | FLOATING SOLIDS | COLOR | OTHER |
| 001 | No | No | No | No | No | Clear | -- |
| | | | | | | | |
| | | | | | | | |
| SECTION H: SLUDGE DISPOSAL | | | | | | | |
| SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS | | | | | | <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE | |
| DETAILS: The City of Benton has State No-Discharge Permit 4359-WR-3 for the land application of biosolids. A separate review of this permit will be conducted. | | | | | | | |
| 1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY: | | | | | | <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE | |
| 2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503: | | | | | | <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE | |
| FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO: (E.G., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE): No land application has occurred during the current permit cycle for State No-Discharge Permit 4359-WR-3. Last land application activity occurred in 2008. | | | | | | | |
| SECTION I: SAMPLING INSPECTION PROCEDURES | | | | | | | |
| SAMPLE RESULTS WITHIN PERMIT REQUIREMENTS | | | | | | <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |
| DETAILS: No samples were collected during this inspection. | | | | | | | |
| 1. SAMPLES OBTAINED THIS INSPECTION: | | | | | | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |
| 2. TYPE OF SAMPLE: <input type="checkbox"/> GRAB:___ <input type="checkbox"/> COMPOSITE:___ METHOD:___ FREQUENCY:___ | | | | | | | |
| 3. SAMPLES PRESERVED: | | | | | | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |
| 4. FLOW PROPORTIONED SAMPLES OBTAINED: | | | | | | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |
| 5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE: | | | | | | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |
| 6. SAMPLE REPRESENTATIVE OF VOLUME AND NATURE OF DISCHARGE: | | | | | | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |
| 7. SAMPLE SPLIT WITH PERMITTEE: | | | | | | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |
| 8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED: | | | | | | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |
| 9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT: | | | | | | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |
| SECTION J: STORM WATER POLLUTION PREVENTION PLAN | | | | | | | |
| STORM WATER MANAGEMENT MEETS PERMIT REQUIREMENTS | | | | | | <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |
| DETAILS: Facility has an IGP No-Exposure Exclusion under Permit ARR00C399. The last inspection of this permit was conducted on August 3, 2017. | | | | | | | |
| 1. SWPPP UPDATED AS NEEDED:___ DATE OF LAST UPDATE:___ | | | | | | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |
| 2. SITE MAP INCLUDING ALL DISCHARGES AND SURFACE WATERS: | | | | | | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |
| 3. POLLUTION PREVENTION TEAM IDENTIFIED: | | | | | | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |
| 4. POLLUTION PREVENTION TEAM PROPERLY TRAINED: | | | | | | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |
| 5. LIST OF POTENTIAL POLLUTANT SOURCES: | | | | | | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |
| 6. LIST OF POTENTIAL SOURCES AND PAST SPILLS AND LEAKS: | | | | | | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |
| 7. ALL NON-STORM WATER DISCHARGES ARE AUTHORIZED: | | | | | | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |
| 8. LIST OF STRUCTURAL BMPS: | | | | | | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |
| 9. LIST OF NON-STRUCTURAL BMPS: | | | | | | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |
| 10. BMPS PROPERLY OPERATED AND MAINTAINED: | | | | | | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |
| 11. INSPECTIONS CONDUCTED AS REQUIRED: | | | | | | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE | |

FLOW CALCULATION SHEET

Date: **7/23/2019** Time: **11:01**

Head in Inches: **8.88** Feet: **0.74**

Type & Size of Primary Flow Measurement Device: **3' Parshall Flume**

Name & Model of Secondary Flow Measurement Device: **Eastech Ultrasonic Vantage 2210**

Date of last Calibration of Secondary Flow Device:

Recorded Flow at Date & Time Listed Above: **4.8 MGD** (Facility Flow Meter)

Calculated Flow at Date & Time Listed Above: **5.047 MGD**

(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 = | 4.8 | - | 5.047 | X 100 |
| | 5.047 | | | |

| | | |
|-----------|---------------|-------|
| % Error = | -0.247 | X 100 |
| | 5.047 | |

| | | |
|-----------|-----------------|-------|
| % Error = | -0.04894 | X 100 |
|-----------|-----------------|-------|

| | | |
|-----------|---------------|---|
| % Error = | -4.894 | % |
|-----------|---------------|---|

Comments: **Flow meter was reading within ±10% of true discharge.**

DMR Calculation Check

Reporting Period: From 2018 6 1 To 2018 6 30
 Year Month Day Year Month Day

Parameter Checked: TSS

| | Loading Mass Mo. Avg. - lbs/day | Concentration Monthly Mo. Avg. - mg/l | 7-day Avg. - mg/l |
|-------------------|--|--|--------------------------|
| Reported Value: | <u>91.6</u> | <u>3.4</u> | <u>5.5</u> |
| Calculated Value: | <u>91.6</u> | <u>3.4</u> | <u>5.5</u> |
| Permit Value: | <u>1038</u> | <u>15</u> | <u>22.5</u> |

If calculated value does not equal reported value, explain:

7-DA AVG was calculated using data from May 27, 2018 to June 30, 2018.

DMR Calculation Check

Reporting Period: From 2019 2 1 To 2019 2 28
 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><159.5</u> | <u><2.4</u> | <u><3.9</u> |
| Calculated Value: | <u><159.1</u> | <u><2.4</u> | <u><3.9</u> |
| Permit Value: | <u>1038</u> | <u>15</u> | <u>22.5</u> |

If calculated value does not equal reported value, explain:
 7-DA AVG was calculated using data from January 27, 2019 to
 February 23, 2019.



Water Division Photographic Evidence Sheet

| | | | |
|---------------|--|----------|------------------|
| Location: | City of Benton WWTP | | |
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 09:22 |
| | | Photo #: | 1 |
| Description: | Fine Screen #1 and #2 building. | | |



| | | | |
|---------------|-------------------------|----------|------------------|
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 09:33 |
| | | Photo #: | 2 |
| Description: | Fine Screen #3. | | |



| Water Division Photographic Evidence Sheet | | | |
|--|---|----------|------------------|
| Location: | City of Benton WWTP | | |
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 09:32 |
| | | Photo #: | 3 |
| Description: | Vulcan Screen #1. The facility plans to replace this with another fine screen. | | |
|  | | | |
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 09:27 |
| | | Photo #: | 4 |
| Description: | Grit removal chamber. | | |
|  | | | |

Water Division Photographic Evidence Sheet

| | | | |
|---------------|----------------------------|----------|------------------|
| Location: | City of Benton WWTP | | |
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 10:22 |
| | | Photo #: | 5 |
| Description: | Oxidation Ditch #1 | | |



| | | | |
|---------------|---|----------|------------------|
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 10:23 |
| | | Photo #: | 6 |
| Description: | Mixing Zone of Oxidation Ditch #1 where impeller fell off and must be retrieved. | | |



Water Division Photographic Evidence Sheet

| | | | | | |
|---------------|--|-------|------------------|----------|--------------|
| Location: | City of Benton WWTP | | | | |
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 | Time: | 10:30 |
| Witness: | | | | Photo #: | 7 |
| Description: | Oxidation Ditch #1 spillway to the Secondary Clarifier. | | | | |



| | | | | | |
|---------------|--|-------|------------------|----------|--------------|
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 | Time: | 10:38 |
| Witness: | | | | Photo #: | 8 |
| Description: | Secondary Clarifier #2 with minor buildup of algae. | | | | |



Water Division Photographic Evidence Sheet

| | | | |
|---------------|----------------------------|----------|------------------|
| Location: | City of Benton WWTP | | |
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 11:07 |
| | | Photo #: | 9 |
| Description: | Post aeration basin | | |



| | | | |
|---------------|---|----------|------------------|
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 10:47 |
| | | Photo #: | 10 |
| Description: | Bank A and Bank B of the UV disinfection unit. | | |



Water Division Photographic Evidence Sheet

| | | | |
|---------------|---|----------|------------------|
| Location: | City of Benton WWTP | | |
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 11:10 |
| | | Photo #: | 11 |
| Description: | 3ft. Parshall Flume to Outfall 001 | | |



| | | | |
|---------------|-------------------------|----------|------------------|
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 10:58 |
| | | Photo #: | 12 |
| Description: | Outfall 001 | | |



Water Division Photographic Evidence Sheet

| | | | |
|---------------|---|----------|------------------|
| Location: | City of Benton WWTP | | |
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 11:01 |
| | | Photo #: | 13 |
| Description: | Primary flow measuring device reading 0.78 feet of Head. | | |



| | | | |
|---------------|---|----------|------------------|
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 11:01 |
| | | Photo #: | 14 |
| Description: | Secondary flow measuring device reading 4.8 MGD and 0.74 feet of Head. | | |



Water Division Photographic Evidence Sheet

| | | | |
|---------------|--|----------|------------------|
| Location: | City of Benton WWTP | | |
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 11:05 |
| | | Photo #: | 15 |
| Description: | Composite sampler bottle and thermometer measuring 0°C. | | |



| | | | |
|---------------|----------------------------|----------|------------------|
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 10:10 |
| | | Photo #: | 16 |
| Description: | Digester #1 and #2. | | |



Water Division Photographic Evidence Sheet

| | | | |
|---------------|----------------------------|----------|------------------|
| Location: | City of Benton WWTP | | |
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 10:10 |
| | | Photo #: | 17 |
| Description: | Digester #1 | | |



| | | | |
|---------------|-------------------------|----------|------------------|
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 10:13 |
| | | Photo #: | 18 |
| Description: | Decant #1 | | |



Water Division Photographic Evidence Sheet

| | | | |
|---------------|-------------------------------------|----------|------------------|
| Location: | City of Benton WWTP | | |
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 10:17 |
| | | Photo #: | 19 |
| Description: | Digester #3 in decant phase. | | |



| | | | |
|---------------|-------------------------|----------|------------------|
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 09:45 |
| | | Photo #: | 20 |
| Description: | Sludge Dryer | | |



Water Division Photographic Evidence Sheet

| | | | |
|---------------|----------------------------|----------|------------------|
| Location: | City of Benton WWTP | | |
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 09:46 |
| | | Photo #: | 21 |
| Description: | Sludge Feed Hopper | | |



| | | | |
|---------------|-----------------------------|----------|------------------|
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 09:50 |
| | | Photo #: | 22 |
| Description: | Sludge Storage Silo. | | |



Water Division Photographic Evidence Sheet

| | | | |
|---------------|----------------------------|----------|------------------|
| Location: | City of Benton WWTP | | |
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 09:57 |
| | | Photo #: | 21 |
| Description: | Sludge Belt Press | | |



| | | | |
|---------------|---------------------------|----------|------------------|
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 12:23 |
| | | Photo #: | 22 |
| Description: | Equalization Basin | | |

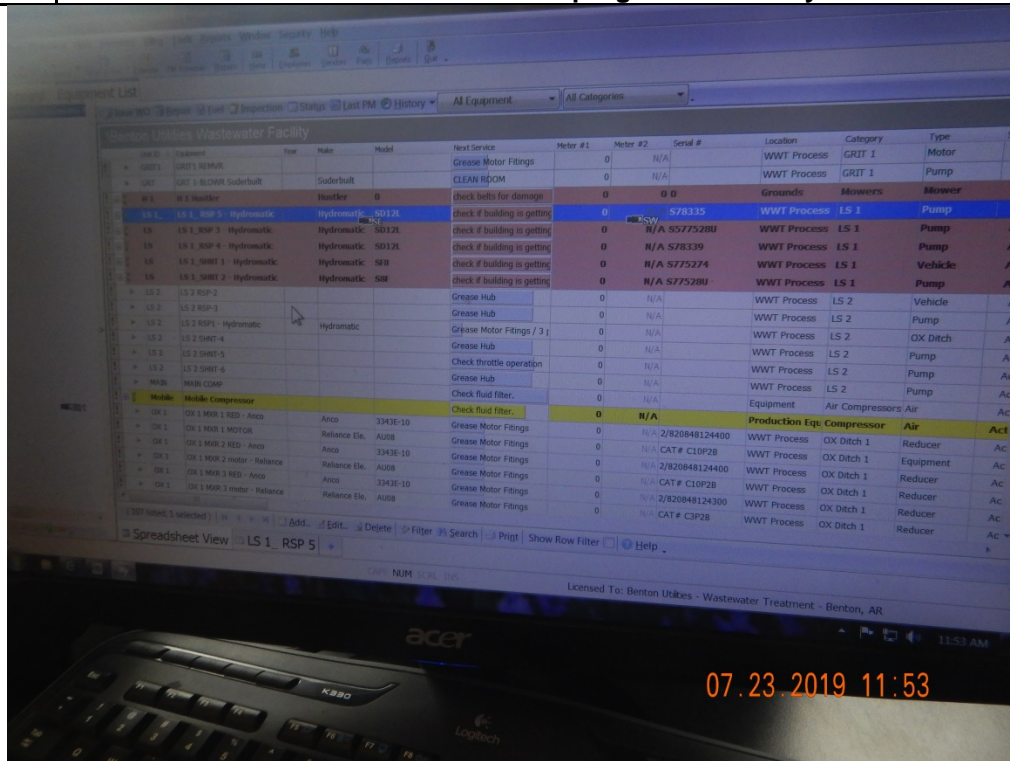


Water Division Photographic Evidence Sheet

| | | | |
|---------------|---|-------|-----------|
| Location: | City of Benton WWTP | | |
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 11:39 |
| Description: | SCADA view of activities at the Equalization Basin. | | |



| | | | |
|---------------|---|-------|-----------|
| Photographer: | Jason Bolenbaugh | Date: | 7/23/2019 |
| Witness: | | Time: | 11:53 |
| Description: | Screen view of the Maintenance Pro 7.0 program the facility uses. | | |



City of Benton's wastewater treatment plant located at 616 West Hazel Street. An Equalization Basin is located south of the treatment plant on South Market Street and at location 34.548568 and -92.591505.



From: [Bolenbaugh, Jason](#)
To: [McConnell, Melissa](#)
Subject: FW: Response to ADEQ Inspection 7/23/19
Date: Wednesday, May 20, 2020 2:13:58 PM
Attachments: [ADEQ Inspection Response 9-9-19-.pdf](#)
[image001.png](#)

Melissa,

Please attach this response and email to PDS #108906. Thanks.

Jason R. Bolenbaugh | Compliance Branch Manager
Division of Environmental Quality | Office of Water Quality
5301 Northshore Drive | North Little Rock, AR 72118
t: 501.682.0659 | c: [501.766.8153](tel:501.766.8153) | e : bolenbaugh@adeq.state.ar.us .



ARKANSAS
ENERGY & ENVIRONMENT

From: Jonathan W. Buff [<mailto:jwbuff@bentonar.org>]
Sent: Monday, September 9, 2019 2:25 PM
To: Water-Inspection-Report; Bolenbaugh, Jason
Cc: David Vondran
Subject: RE: Response to ADEQ Inspection 7/23/19

Attention: Office of Water Quality Compliance Branch

RE: City of Benton WWTP Inspection
AFIN: 63-00063 Permit No.: AR0036498

Please find attached the written response along with documentation and photos you requested on corrective action per the Compliance Evaluation Inspection that's was conducted at Benton Utilities on 7/23/19. This response shows what steps were taken to correct the impeller issue on the Anaerobic mixer on the oxidation basin. If I can be of any further assistance please contact me via phone or email below.

Thanks,

Jonathan Buff
Wastewater Manager
Benton Utilities
616 W Hazel

Benton, AR 72015
Phone: 501-776-5982
Fax: 501-776-5974
jwbuff@bentonar.org

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BENTON UTILITIES

BENTON, ARKANSAS

September 9, 2019

Mr. Jason Bolenbaugh
Compliance Branch Manager
Office of Water Division
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, AR. 72118

RE: Response to City of Benton WWTP Inspection
AFIN: 63-00063 NPDES: AR0036498


Dear Mr. Bolenbaugh,

This letter is a response to the routine compliance inspection performed by you on July 23, 2019 of the City of Benton Wastewater Treatment Plant. While you indicated only minor issues during the inspection, it was noted that an impeller had fallen off a mixer in the mixing zone of the oxidation ditch. This was an anaerobic mixer that we were formulating ideas on how to retrieve the impeller without draining the oxidation ditch. After several attempts, it was decided to rent an excavator with enough reach to retrieve impeller. This worked great with exception of bending existing impeller blades. So, we used old blades as template to fabricate new blades.

Please find attached to this letter, a series of pictures with descriptions of the actions that were taken in order to address the issue of the impeller on the anaerobic mixer in oxidation ditch.

In addition to the pictures, I have also attached copies of the purchase requisition forms and invoices of the materials and work associated with the project. Corrective action started 7/25/19 and was completed on 8/28/2019.

If you need any additional information concerning the corrective actions that were taken, you can contact me via email at jwbuff@bentonar.org or by phone at 501-776-5982.

Sincerely,

Jonathan W. Buff
Manager, Wastewater Treatment
Benton Utilities
616 Hazel Street
Benton, AR. 72015

CC: David Vondran, General Manager, Benton Utilities

BENTON UTILITIES

City Of Benton
Wastewater Treatment Plant

Photographic Evidence Sheet

| | | | | | | | |
|----------------------|---|----|-----------------|--------------|------------------|--------------|--------|
| Location: | Wastewater Plant 616 W Hazel | | | | | | |
| Photographer: | Jonathan Buff | | Witness: | | | | |
| Photo # | 1 | Of | 14 | Date: | 08/09/2019 - Fri | Time: | 2:23pm |
| Description: | Existing Anaerobic mixer collar hub retrieved from basin. | | | | | | |



| | | | | | | | |
|----------------------|--|----|-----------------|--------------|------------------|--------------|--------|
| Photographer: | Jonathan Buff | | Witness: | | | | |
| Photo # | 2 | Of | 14 | Date: | 08/09/2019 - Fri | Time: | 2:24pm |
| Description: | Existing Anaerobic mixer blades retrieved from basin. They were bent in retrieval process. | | | | | | |



BENTON UTILITIES

City Of Benton
Wastewater Treatment Plant

Photographic Evidence Sheet

| | | | | | | | |
|----------------------|---|----|-----------------|--------------|------------------|--------------|--------|
| Location: | Wastewater Plant 616 W Hazel | | | | | | |
| Photographer: | Jonathan Buff | | Witness: | | | | |
| Photo # | 3 | Of | 14 | Date: | 08/15/2019 - Thu | Time: | 2:32pm |
| Description: | New blades fabricator at plant, then taken to be rolled to correct angle for Anaerobic mixer. | | | | | | |



| | | | | | | | |
|----------------------|---|----|-----------------|--------------|------------------|--------------|---------|
| Photographer: | Jonathan Buff | | Witness: | | | | |
| Photo # | 4 | Of | 14 | Date: | 08/20/2019 - Tue | Time: | 10:26am |
| Description: | Anaerobic mixer new blades painted with epoxy | | | | | | |



BENTON UTILITIES

City Of Benton
Wastewater Treatment Plant

Photographic Evidence Sheet

| | | | | | | | |
|----------------------|--|----|-----------------|--------------|------------------|--------------|---------|
| Location: | Wastewater Plant 616 W Hazel | | | | | | |
| Photographer: | Jonathan Buff | | Witness: | | | | |
| Photo # | 5 | Of | 14 | Date: | 08/20/2019 - Tue | Time: | 10:26am |
| Description: | Anaerobic mixer collar hub painted with epoxy. | | | | | | |



| | | | | | | | |
|----------------------|---|----|-----------------|--------------|------------------|--------------|---------|
| Photographer: | Jonathan Buff | | Witness: | | | | |
| Photo # | 6 | Of | 14 | Date: | 08/20/2019 - Tue | Time: | 11:26am |
| Description: | Anaerobic mixer part received from Westech/ hook key w/set screw. | | | | | | |



BENTON UTILITIES

City Of Benton
Wastewater Treatment Plant

Photographic Evidence Sheet

| | | | | | |
|----------------------|------------------------------|----|-----------------|--------------|------------------|
| Location: | Wastewater Plant 616 W Hazel | | | | |
| Photographer: | Jonathan Buff | | Witness: | | |
| Photo # | 7 | Of | 14 | Date: | 08/28/2019 - Wed |
| | | | | Time: | 7:35am |

Description: Crane service onsite for repairs to Anaerobic mixer.



| | | | | | |
|----------------------|---------------|----|-----------------|--------------|------------------|
| Photographer: | Jonathan Buff | | Witness: | | |
| Photo # | 8 | Of | 14 | Date: | 08/28/2019 - Wed |
| | | | | Time: | 7:36am |

Description: Crane service rigging flat bottom boat to be lowered in Anaerobic basin.



BENTON UTILITIES

City Of Benton
Wastewater Treatment Plant

Photographic Evidence Sheet

| | | | | | |
|----------------------|------------------------------|----|-----------------|--------------|------------------|
| Location: | Wastewater Plant 616 W Hazel | | | | |
| Photographer: | Jonathan Buff | | Witness: | | |
| Photo # | 9 | Of | 14 | Date: | 08/28/2019 - Wed |
| | | | | Time: | 7:39am |

Description: Lowering flat bottom into Anaerobic mixer basin.



| | | | | | |
|----------------------|---------------|----|-----------------|--------------|------------------|
| Photographer: | Jonathan Buff | | Witness: | | |
| Photo # | 10 | Of | 14 | Date: | 08/28/2019 - Wed |
| | | | | Time: | 7:48am |

Description: Rigging lift cables on Anaerobic mixer.



BENTON UTILITIES

City Of Benton
Wastewater Treatment Plant

Photographic Evidence Sheet

| | | | | | | | |
|----------------------|-------------------------------------|----|-----------------|--------------|----------------|--------------|--------|
| Location: | Wasterwater Plant 616 W Hazel | | | | | | |
| Photographer: | Jonathan Buff | | Witness: | | | | |
| Photo # | 11 | Of | 14 | Date: | 08/28/2019 Wed | Time: | 7:57am |
| Description: | Anaerobic mixer lifted for repairs. | | | | | | |



| | | | | | | | |
|----------------------|--|----|-----------------|--------------|----------------|--------------|--------|
| Photographer: | Jonathan Buff | | Witness: | | | | |
| Photo # | 12 | Of | 14 | Date: | 08/28/2019 Wed | Time: | 8:08am |
| Description: | Mechanic and operator installing hub assembly and blades to Anaerobic mixer. | | | | | | |



BENTON UTILITIES

City Of Benton
Wastewater Treatment Plant

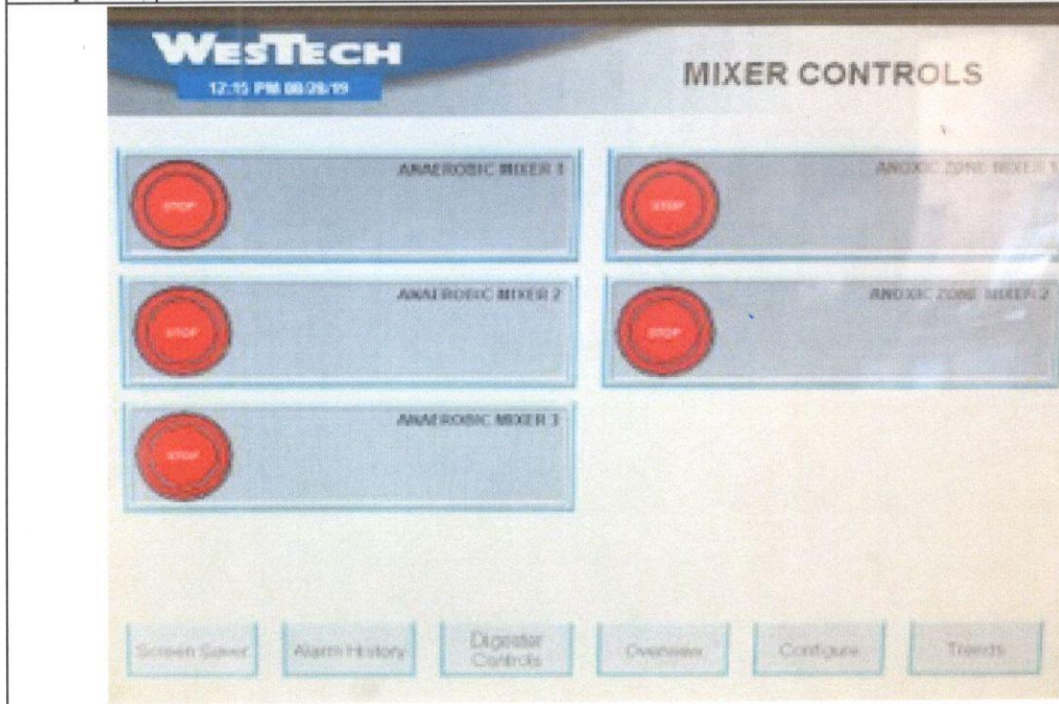
Photographic Evidence Sheet

| | | | | | |
|----------------------|--|----|-----------------|--------------|----------------|
| Location: | Wastewater Plant 616 W Hazel | | | | |
| Photographer: | Jonathan Buff | | Witness: | | |
| Photo # | 13 | Of | 14 | Date: | 08/28/2019 Wed |
| | | | | Time: | 12:16pm |
| Description: | Anaerobic mixer breakers all on, repairs were to #3 at bottom. | | | | |



All breakers are on.
Note: Red indicates unit running and danger
Green would indicate unit is safe not running.

| | | | | | |
|----------------------|--|----|-----------------|--------------|----------------|
| Photographer: | Jonathan Buff | | Witness: | | |
| Photo # | 14 | Of | 14 | Date: | 08/28/2019 Wed |
| | | | | Time: | 12:17pm |
| Description: | Anaerobic mixer on all as seen from Westech panel. | | | | |





PURCHASE REQUISITION

| Date: | 7-25-2019 | PO NUMBER: | 101106 |
|--------------------|----------------------------|--|--------|
| Department: | Wastewater Treatment Plant | | |
| Person Requesting: | JWB | | |
| Supply Source: | H&E Equipment | | |
| Quantity | Item # | Description | |
| 1 | | 210 Komatsu Excavator Track-hoe RENTAL 1 day | |
| | | This is for retrieving impeller from basin that been unable to fish out any other way. Excavator has a 20ft reach. | |
| | | GL# 770.71 | |
| | | Est Cost \$ 1731.00 | |
| Approved By: | | Jonathan W. Buff | |

PLEASE EMAIL TO:

lmcadoo@bentonar.org
cbmollie@bentonar.org
utwhse@bentonar.org

OR FAX TO:

501-776-5937

BPD/SLH 5/2010

10/106
WWT

H&E EQUIPMENT SERVICES, INC.
 2801 W. 65th Street
 Little Rock AR 72209-8519
 Phone (800) 632-0577
 Fax (501) 568-0968

Regional Credit Office
 Phone (866) 322-6577
 Fax (972) 606-1011

Invoice

| | |
|---|---|
| <p>Bill-To-Party BENTON UTILITIES 1827 Dale Ave Benton AR 72015-5028</p> | <p>Information Invoice No. 94638932 Date 08/01/2019 Customer No. 1151930 Customer PO No. BD Currency USD Term of Payment Net due in 30 days Project Name Benton Utilities</p> |
| <p>Ship-To-Party BENTON UTILITIES 616 W. Hazel Benton AR 72015 USA</p> | <p>Rental Reference No. 42798877 Contract Number 32010402 Rental Dates 07-30-2019 to 07-31-2019 Reference No. 94638932 Contact Name Jonathan Buff Contact No. 501-776-5982</p> |

| Item Year | Material Equipment | Description Serial | Quantity Make | Unit Price Model | Amount |
|------------------------------------|--------------------|-------------------------------|---------------|----------------------|---------------|
| 1 | 14539 | HYDRAULIC EXCAVATOR 19-23 TON | 1 EA | 800.00 | 800.00 |
| 2015 | 10171514 | A11186 | KM-KOMATSU | PC210LC-10 | |
| 800/Daily;2100/Weekly;5200/Monthly | | | | | |
| 2 | 13343 | 48" EXCAVATOR BUCKET | 1 EA | 0.00 | 0.00 |
| 2018 | 10232310 | 112187 | RC-ROCKLAND | 48" EXCAVATOR BUCKET | |
| 0/Daily;0/Weekly;0/Monthly | | | | | |
| Rental Subtotal | | | | | 800.00 |
| 3 | DELIVERYCHG | Delivery Charge | 1 EA | 200.00 | 200.00 |

REC'D AUG 08

Copy

H&E EQUIPMENT SERVICES, INC.
 2801 W. 65th Street
 Little Rock AR 72209-8519
 Phone (800) 632-0577
 Fax (501) 568-0968

Regional Credit Office
 Phone (866) 322-6577
 Fax (972) 606-1011

Invoice

| | |
|--|---|
| <p>Bill-To-Party BENTON UTILITIES 1827 Dale Ave Benton AR 72015-5028</p> | <p>Information Invoice No. 94638932 Date 08/01/2019 Customer No. 1151930 Customer PO No. BD</p> |
|--|---|

| Item Year | Material Equipment | Description Serial | Quantity Make | Unit Price Model | Amount |
|---|---------------------------|---------------------------|---------------|------------------|---------------|
| 4 | PERMIT | Permit | 1 EA | 300.00 | 300.00 |
| 5 | LOSSDAMAGE | Loss Damage Waiver | 1 EA | 120.00 | 120.00 |
| 6 | ENVIRONPRCT | Environmental Percentage | 1 EA | 12.00 | 12.00 |
| 7 | PICKUPCHG | Pick Up Charge | 1 EA | 200.00 | 200.00 |
| 8 | PROPERTY TAX RECOVERY FEE | PROPERTY TAX RECOVERY FEE | 1 EA | 10.00 | 10.00 |
| 9 | SHORT TERM RENTAL TAX | SHORT TERM RENTAL TAX | 1 EA | 8.00 | 8.00 |
| Miscellaneous Subtotal | | | | | 850.00 |
| <p>PLEASE REMIT TO: H&E EQUIPMENT SERVICES, INC. P.O. Box 849850 Dallas TX 75284-9850</p> | | Subtotal | | | 1,650.00 |
| | | Tax | | | 124.88 |
| | | Total Amount | | | 1,774.88 |

For more information, visit he-equipment.com/resources

12:32 pm



PURCHASE REQUISITION

| Date: | 8-13-2019 | PO NUMBER: | 101207 |
|--------------------|----------------------------|---|---------|
| Department: | Wastewater Treatment Plant | | |
| Person Requesting: | Willie Howerton/ JWB | | |
| Supply Source: | Advance Machine | | |
| Quantity | Item # | Description | |
| | | REVISED | |
| 1 | | Stainless Steel plate | |
| 1 | | Steel plate sheet 3/8 inch thick. | |
| | | This is plate to be used to cut out new blades for anaerobic mixer impeller. | |
| 1 | | Advance took blades that were cutout by Willie to Beco and had bent (rolled) at angles needed and only charged what Beco billed | |
| | | | \$75.00 |
| | | Est Cost \$ 675.00 | |
| | | GL#740.44 | |
| | NOTE: | BECO is now HARBOR FAB | |
| Approved By: | | Jonathan W. Buff | |

PLEASE EMAIL TO:

lmcadoo@bentonar.org
cbmollie@bentonar.org
utwhse@bentonar.org

OR FAX TO:

501-776-5937

BPD/SLH 5/2010

101207 WW; ADVANCED MACHINE Corporation



1410 COMMERCE
BENTON, ARKANSAS 72015
PHONE 501-776-2085

| | | |
|--------------------------------|-------|-----------------|
| Customer's Order No. 101207 | Phone | Date 8-13-19 |
|--------------------------------|-------|-----------------|

NAME Benton Utilities

ADDRESS

| | | |
|-------------|--------------------|----------|
| DRAWING NO. | JOB NUMBER 2993 | DATE DUE |
|-------------|--------------------|----------|

| QTY. | DESCRIPTION | PRICE | AMOUNT |
|--------|--------------------------------------|-------|--------|
| * 1 pc | 3/8" x 4' x 8' | | 398 13 |
| 1 pc | 11 ga. S.S. sheet x 2' x 4' | | 138 88 |
| * 1 | Charges for Harbor Fab to roll plate | | 75 00 |

REC'D AUG 20

GL # 240,44
WWTP

Handwritten signature and initials

617 01

TAX 57 38

TOTAL 669 39

Received By: *Handwritten signature*



PURCHASE REQUISITION

| Date: | 8-13-2019 | PO NUMBER: | 101208 |
|--------------------|----------------------------|--|-----------|
| Department: | Wastewater Treatment Plant | | |
| Person Requesting: | Willie Howerton / JWB | | |
| Supply Source: | Westech | | |
| Quantity | Item # | Description | |
| | | Mixer Anaerobic Zone Parts | |
| 1 | | Hook Key w/set screw | \$ 210.00 |
| | | This is the part needed to get mixer impeller mounted back on the mixer shaft. | |
| | | GL# 740.44 | |
| | | Est Cost \$ 210.00 | |
| Approved By: | | Jonathan W. Buff | |

COPY

PLEASE EMAIL TO:

lmcadoo@bentonar.org
cbmollie@bentonar.org
utwhse@bentonar.org

OR FAX TO:

501-776-5937

BPD/SLH 5/2010



P.O. BOX 65068
 SALT LAKE CITY, UTAH 84165-0068
 Tel: (801) 265-1000
 Fax: 801-265-1080
 AR@Westech-inc.com

Invoice No.: 73654
Invoice Date: 08/26/19
Customer P.O. No.: 101208
Customer Job No.:
Job ID: 132673 - 20600A
Job Name: BENTON, AR WWTP
Customer Account No.: BEN040
Payment Terms: NET 30 DAYS

INVOICE

Bill to: BENTON UTILITIES
 ATTN: ACCOUNTS PAYABLE
 1827 DALE AVENUE
 BENTON, AR 72015
 UNITED STATES OF AMERICA

Ship to: BENTON UTILITIES
 1827 DALE AVENUE
 BENTON, AR 72015
 UNITED STATES OF AMERICA

HAY

| Qty | Item No. | Description | Unit Price | Net Amount |
|-----|----------|----------------------|------------|------------|
| 1 | | HOOK KEY W/SET SCREW | \$210.00 | \$210.00 |
| 1 | | FREIGHT | \$81.42 | \$81.42 |

Copy

| | | |
|---|--|-----------------------------------|
| VIA ELECTRONIC TRANSFER WESTECH ENGINEERING, INC C/O WELLS FARGO BANK SALT LAKE CITY, UTAH 84111 | ACCOUNT NO: 4945003200 ABA ROUTING NO: 121000248 SWIFT: WFBIUS6S | Subtotal: \$291.42 |
| | | Taxes: |
| | | Total: US DOLLARS \$291.42 |

All accounts not paid after invoice due date will be charged a finance charge of 1 1/2% per month which is an annual rate of 18%.
 Customer agrees to pay all cost and expenses, including reasonable attorney's fees and court cost incurred in case of default in compliance with terms.
 Any invoices paid by credit card will be charged a credit card processing fee up to the allowable limit, where state law allows.