



ARKANSAS  
Department of Environmental Quality

July 3, 2018

Gregory Dell, Chief Operating Officer  
Conway Corporation  
P.O. Box 99  
Conway, AR 72033

**RE: Tupelo Bayou WWTP Inspections (Faulkner Co)**  
**AFIN: 23-01095**                      **NPDES Permit No.: AR0051951**  
**ARR001527**

Dear Mr. Dell:

On May 22, 2018, I performed a Compliance Evaluation Inspection, a Pretreatment Compliance Inspection with Industrial User evaluations, an SSO/Collection System Inspection, and an Industrial Stormwater (No-Exposure) 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. Copies of the inspection reports are enclosed for your records.

**No violations were noted at the time of the inspections. Please refer to each of the attached inspection reports for any comments.**

If I can be of any assistance, please contact me at [beck@adeq.state.ar.us](mailto:beck@adeq.state.ar.us) or (479) 968-7339 extension 16.

Sincerely,

Amy Beck  
District 5 Field Inspector  
Office of Water Quality

cc: Trey Lieblong, Conway Corp, Environmental Coordinator, [trey.lieblong@conwaycorp.com](mailto:trey.lieblong@conwaycorp.com)



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

## WATER DIVISION INSPECTION REPORT

|   |                            |                        |
|---|----------------------------|------------------------|
| AFIN: <b>23-01095</b>   | PERMIT #: <b>AR0051951</b> | DATE: <b>5/22/2018</b> |
| COUNTY: <b>23 Faulkner</b>  | PDS #: <b>103545</b>       | MEDIA: <b>WN</b>       |
| GPS LAT: <b>35.054659</b> LONG: <b>-92.534864</b> LOCATION: <b>Entrance</b> |                            |                        |

| FACILITY INFORMATION   | INSPECTION INFORMATION   |
|--|--|
| NAME:<br><b>Tupelo Bayou WWTP</b><br>LOCATION:<br><b>1405 Lollie Road</b><br>CITY:<br><b>Conway</b>  | FACILITY TYPE:<br><b>1 - Municipal</b> INSPECTOR ID#:<br><b>36537 S - State</b><br>FACILITY EVALUATION RATING:<br><b>5 - Satisfactory</b> INSPECTION TYPE:<br><b>Compliance Evaluation</b>                                     |
| <b>RESPONSIBLE OFFICIAL</b>  | DATE(S):      ENTRY TIME:      EXIT TIME:      PERMIT EFFECTIVE DATE:<br><b>5/22/2018</b> <b>09:30</b> <b>15:00</b> <b>1/1/2017</b><br><b>5/23/2018</b> <b>09:30</b> <b>12:00</b> PERMIT EXPIRATION DATE:<br><b>12/31/2021</b> |
| NAME / TITLE:<br><b>Gregory Dell / Chief Operating Officer</b><br>COMPANY:<br><b>Conway Corporation</b><br>MAILING ADDRESS:<br><b>P.O. Box 99</b><br>CITY, STATE, ZIP:<br><b>Conway AR 72033</b><br>PHONE & EXT. / FAX:<br><b>501-450-6063 / 501-450-6093</b><br>EMAIL:<br><b>greg.dell@conwaycorp.com</b> | FAYETTEVILLE SHALE RELATED: <b>N</b><br>FAYETTEVILLE SHALE VIOLATIONS: <b>N</b>  |
| CONTACTED DURING INSPECTION: <b>No</b>   | <b>INSPECTION PARTICIPANTS</b>   |
|  | NAME/TITLE/PHONE/FAX/EMAIL/ETC.:<br><b>Trey Lieblong, Environmental Coordinator, 501-450-6080, trey.lieblong@conwaycorp.com;</b><br><b>Kenny Beaty, Lab Supervisor;</b>  |

| AREA EVALUATIONS   |                         |          |                          |
|--|-------------------------|----------|--------------------------|
| (S=Satisfactory, M=Marginal, U=Unsatisfactory, N=Not Applicable/Evaluated) |                         |          |                          |
| <b>S</b>   | PERMIT                  | <b>S</b> | FLOW MEASUREMENT         |
| <b>S</b>   | RECORDS/REPORTS         | <b>S</b> | LABORATORY               |
| <b>S</b>   | OPERATION & MAINTENANCE | <b>S</b> | EFFLUENT/RECEIVING WATER |
| <b>S</b>   | SAMPLING                | <b>S</b> | SLUDGE HANDLING/DISPOSAL |
| <b>**</b>  | OTHER:                  | <b>S</b> | STORMWATER               |
|  |                         | <b>S</b> | FACILITY SITE REVIEW     |
|  |                         | <b>S</b> | SELF-MONITORING PROGRAM  |
|  |                         | <b>S</b> | PRETREATMENT             |

**SUMMARY OF FINDINGS**

**At the time of this inspection the facility is in compliance with the permit.**

**GENERAL COMMENTS**

I inspected this facility with Mr. Trey Lieblong on May 22, 2018. Inspection consisted of a facility assessment and records review.


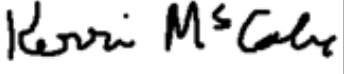
**Facility assessment:**

The plant remains well-operated, staffed, and maintained. Treatment consists of bar screen, grit removal, two primary clarifiers operated in parallel, aeration basin, two final clarifiers operated in parallel, and UV disinfection. Sludge removed from clarifiers is processed through gravity thickener, primary digester, and secondary digester. All treatment components are functioning as designed. The facility has installed odor control on the primary clarifiers.

No concerns were found with the facility's laboratory. Conway Corp's lab performs BOD5, TSS, pH, DO, and FCB monitoring in-house. Mr. Kenny Beatty informed me they have changed FCB monitoring to the IDEXX method. FCB by the IDEXX method has been approved by the latest Method Update Rule (MUR), which went into effect September 27, 2017.

**Record review:**

Prior to visiting the facility, I reviewed DMR from April 2016-April 2018. During this period, there were no permit excursions. The facility is testing all parameters at the frequency specified by the permit. I obtained detailed records for April 2018 and verified the data entered for the April DMR were correct. I reviewed the 2018 1<sup>st</sup> quarter biomonitoring report and found no issue.

|  |                 |
|--|-----------------|
| INSPECTOR'S SIGNATURE:  Amy Beck        | DATE: 6/14/2018 |
| SUPERVISOR'S SIGNATURE:  Kerri McCabe | DATE: 6/29/2018 |

|   |   |
|---|---|
| <b>SECTION A: PERMIT VERIFICATION</b>   |   |
| 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:   | <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:                              | <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                            |
| <b>SECTION B: RECORDKEEPING AND REPORTING EVALUATION</b>  |   |
| 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:  |   |
| 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:  | <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                            |
| <b>SECTION C: OPERATIONS AND MAINTENANCE</b>  |   |
| 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:  |   |
| 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:   | <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:  | <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:                             | <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:   | <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:   | <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:   | <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: | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE                            |
| 12. IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED:   | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE                            |
| 13. HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS:                  | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE                            |
| 14. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT:                               | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE                            |
| 15. IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT:   | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE                            |

| <b>SECTION D: SAMPLING</b>   |   |
|--|---|
| 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:   | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input 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:   | <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:  | <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 checked="" type="checkbox"/> NA <input type="checkbox"/> NE                            |
| <b>SECTION E: FLOW MEASUREMENT</b>   |   |
| 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:   |   |
| 1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED: <u>Yes</u> TYPE OF DEVICE: <u>6 ft. Parshall flume</u> | <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:                                     | <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                            |
| <b>SECTION F: LABORATORY</b>   |   |
| 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 checked="" type="checkbox"/> Y <input type="checkbox"/> N <input 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 $\geq$ 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 $\geq$ 10% OF THE TIME:   | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE                            |
| 7. COMMERCIAL LABORATORY USED:   | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE                            |
| a. LAB NAME: <u>American Interplex / Arkansas Analytical</u>   |   |
| b. LAB ADDRESS: <u>Little Rock / Little Rock</u>   |   |
| c. PARAMETERS PERFORMED: <u>TP, NO3 / WET</u>  |   |
| 8. BIOMONITORING PROCEDURES ADEQUATE:  | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE                            |
| a. PROPER ORGANISMS USED:  | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE                            |
| b. PROPER DILUTION SERIES FOLLOWED:  | <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 checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE                            |

| <b>SECTION G: EFFLUENT/RECEIVING WATERS OBSERVATIONS</b>   |           |        |           |              |                 |   |       |
|--|-----------|--------|-----------|--------------|-----------------|---|-------|
| 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: <b>Observations taken at Parshall flume</b>   |           |        |           |              |                 |   |       |
| OUTFALL #:   | OIL SHEEN | GREASE | TURBIDITY | VISIBLE FOAM | FLOATING SOLIDS | COLOR   | OTHER |
| 001  | no        | no     | no        | no           | no              | clear   | --    |
|  |           |        |           |              |                 |   |       |
|  |           |        |           |              |                 |   |       |
| <b>SECTION H: SLUDGE DISPOSAL</b>  |           |        |           |              |                 |   |       |
| 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:   |           |        |           |              |                 |   |       |
| 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 checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE |       |
| 3. FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO: (E.G., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE):              |           |        |           |              |                 | Pasture   |       |
| <b>SECTION I: SAMPLING INSPECTION PROCEDURES</b>   |           |        |           |              |                 |   |       |
| 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:   |           |        |           |              |                 |   |       |
| 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                            |       |
| <b>SECTION J: STORM WATER POLLUTION PREVENTION PLAN</b>  |           |        |           |              |                 |   |       |
| 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:   |           |        |           |              |                 |   |       |
| 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: **5/22/18** Time: **11:15**

Head in Inches:                      Feet: **0.34**

Type & Size of Primary Flow Measurement Device: **6 foot Parshall flume**

Name & Model of Secondary Flow Measurement Device: **HydroRanger**

Date of last Calibration of Secondary Flow Device: **5/21/18**

Recorded Flow at Date & Time Listed Above: **2.828** (Facility Flow Meter)

Calculated Flow at Date & Time Listed Above: **2.775**

(Flow is calculated using flow charts in: ISCO Open Channel Flow Measurement Handbook-5<sup>th</sup> Edition)

|           |                  |   |                  |       |
|-----------|------------------|---|------------------|-------|
| % Error = | Recorded Value   | - | Calculated Value | X 100 |
|           | Calculated Value |   |                  |       |

|           |       |   |       |       |
|-----------|-------|---|-------|-------|
| % Error = | 2.828 | - | 2.775 | X 100 |
|           | 2.775 |   |       |       |

|           |       |       |
|-----------|-------|-------|
| % Error = | 0.053 | X 100 |
|           | 2.775 |       |

|           |       |       |
|-----------|-------|-------|
| % Error = | 0.019 | X 100 |
|-----------|-------|-------|

|           |            |   |
|-----------|------------|---|
| % Error = | <b>1.9</b> | % |
|-----------|------------|---|

Comments:

**DMR Calculation Check**

Reporting Period: From 2018 04 01 To 2018 04 30  
 Year Month Day Year Month Day

Parameter Checked: Flow

|                   | <b>Loading<br/>Mass<br/>Mo. Avg. - lbs/day</b> | <b>Concentration<br/>Monthly<br/>Mo. Avg. - mg/l</b> | <b>7-day Avg. - mg/l</b>               |
|-------------------|--|--|--|
| Reported Value:   | <u>N/A</u>                                     | <u>6.182</u>   | <u>16.797</u>                          |
| Calculated Value: | <u>N/A</u>                                     | <u>6.182</u>   | <u>16.797</u>                          |
| Permit Value:     | <u>N/A</u>                                     | <u>Report, MGD</u>                                   | <u>Report, MGD<br/>(Daily Maximum)</u> |

If calculated value does not equal reported value, explain:



**DMR Calculation Check**

Reporting Period: From 2018 04 01 To 2018 04 30  
 Year Month Day Year Month Day

Parameter Checked: BOD5

|                   | Loading<br>Mass<br>Mo. Avg. - lbs/day | Concentration<br>Monthly<br>Mo. Avg. - mg/l | 7-day Avg. - mg/l |
|-------------------|---------------------------------------|---|-------------------|
| Reported Value:   | <u>289.3</u>                          | <u>6.1</u>                                  | <u>7.9</u>        |
| Calculated Value: | <u>298.3</u>                          | <u>6.1</u>                                  | <u>7.9</u>        |
| Permit Value:     | <u>4,000</u>                          | <u>30.0</u>                                 | <u>45.0</u>       |

If calculated value does not equal reported value, explain:

**Water Division Photographic Evidence Sheet**

|               |                          |          |                     |
|---------------|--------------------------|----------|---------------------|
| Location:     | <b>Tupelo Bayou WWTP</b> |          |                     |
| Photographer: | <b>Amy Beck</b>          | Date:    | <b>May 22, 2018</b> |
| Witness:      | <b>N/A</b>               | Time:    | <b>1031</b>         |
| Description:  | <b>Bar screen</b>        | Photo #: | <b>1</b>            |



|               |                     |          |                     |
|---------------|---------------------|----------|---------------------|
| Photographer: | <b>Amy Beck</b>     | Date:    | <b>May 22, 2018</b> |
| Witness:      | <b>N/A</b>          | Time:    | <b>1033</b>         |
| Description:  | <b>Grit removal</b> | Photo #: | <b>2</b>            |



**Water Division Photographic Evidence Sheet**

|               |   |          |                     |
|---------------|---|----------|---------------------|
| Location:     | <b>Tupelo Bayou WWTP</b>                                      |          |                     |
| Photographer: | <b>Amy Beck</b>   | Date:    | <b>May 22, 2018</b> |
| Witness:      | <b>N/A</b>  | Time:    | <b>1038</b>         |
|               |   | Photo #: | <b>3</b>            |
| Description:  | <b>Primary clarifiers have been covered for odor control.</b> |          |                     |



|               |                       |          |                     |
|---------------|-----------------------|----------|---------------------|
| Photographer: | <b>Amy Beck</b>       | Date:    | <b>May 22, 2018</b> |
| Witness:      | <b>N/A</b>            | Time:    | <b>1053</b>         |
|               |                       | Photo #: | <b>4</b>            |
| Description:  | <b>Aeration basin</b> |          |                     |



**Water Division Photographic Evidence Sheet**

|               |                            |          |                     |
|---------------|----------------------------|----------|---------------------|
| Location:     | <b>Tupelo Bayou WWTP</b>   |          |                     |
| Photographer: | <b>Amy Beck</b>            | Date:    | <b>May 22, 2018</b> |
| Witness:      | <b>N/A</b>                 | Time:    | <b>1106</b>         |
|               |                            | Photo #: | <b>5</b>            |
| Description:  | <b>Secondary clarifier</b> |          |                     |



|               |                        |          |                     |
|---------------|------------------------|----------|---------------------|
| Photographer: | <b>Amy Beck</b>        | Date:    | <b>May 22, 2018</b> |
| Witness:      | <b>N/A</b>             | Time:    | <b>1116</b>         |
|               |                        | Photo #: | <b>6</b>            |
| Description:  | <b>UV disinfection</b> |          |                     |



**Water Division Photographic Evidence Sheet**

|               |                                     |       |                     |          |             |
|---------------|-------------------------------------|-------|---------------------|----------|-------------|
| Location:     | <b>Tupelo Bayou WWTP</b>            |       |                     |          |             |
| Photographer: | <b>Amy Beck</b>                     | Date: | <b>May 22, 2018</b> | Time:    | <b>1112</b> |
| Witness:      | <b>N/A</b>                          |       |                     | Photo #: | <b>7</b>    |
| Description:  | <b>Throat of the Parshall flume</b> |       |                     |          |             |



|               |                           |       |                     |          |             |
|---------------|---------------------------|-------|---------------------|----------|-------------|
| Photographer: | <b>Amy Beck</b>           | Date: | <b>May 22, 2018</b> | Time:    | <b>1056</b> |
| Witness:      | <b>N/A</b>                |       |                     | Photo #: | <b>8</b>    |
| Description:  | <b>Septic hauler area</b> |       |                     |          |             |



**Water Division Photographic Evidence Sheet**

|               |                                 |          |                     |
|---------------|---------------------------------|----------|---------------------|
| Location:     | <b>Tupelo Bayou WWTP</b>        |          |                     |
| Photographer: | <b>Amy Beck</b>                 | Date:    | <b>May 22, 2018</b> |
| Witness:      | <b>N/A</b>                      | Time:    | <b>1057</b>         |
|               |                                 | Photo #: | <b>9</b>            |
| Description:  | <b>Sludge gravity thickener</b> |          |                     |



|               |                                     |          |                     |
|---------------|-------------------------------------|----------|---------------------|
| Photographer: | <b>Amy Beck</b>                     | Date:    | <b>May 22, 2018</b> |
| Witness:      | <b>N/A</b>                          | Time:    | <b>1055</b>         |
|               |                                     | Photo #: | <b>10</b>           |
| Description:  | <b>Sludge digester from outside</b> |          |                     |



**Water Division Photographic Evidence Sheet**

|               |   |          |                     |
|---------------|---|----------|---------------------|
| Location:     | <b>Tupelo Bayou WWTP</b>                          |          |                     |
| Photographer: | <b>Amy Beck</b>                                   | Date:    | <b>May 22, 2018</b> |
| Witness:      | <b>N/A</b>  | Time:    | <b>1047</b>         |
|               |   | Photo #: | <b>11</b>           |
| Description:  | <b>Temperature monitoring on sludge digestion</b> |          |                     |



|               |                            |          |                     |
|---------------|----------------------------|----------|---------------------|
| Photographer: | <b>Amy Beck</b>            | Date:    | <b>May 22, 2018</b> |
| Witness:      | <b>N/A</b>                 | Time:    | <b>1045</b>         |
|               |                            | Photo #: | <b>12</b>           |
| Description:  | <b>Sludge loading area</b> |          |                     |



Figure 1. Google Earth image dated March 2017 with facility entrance and outfall location noted.

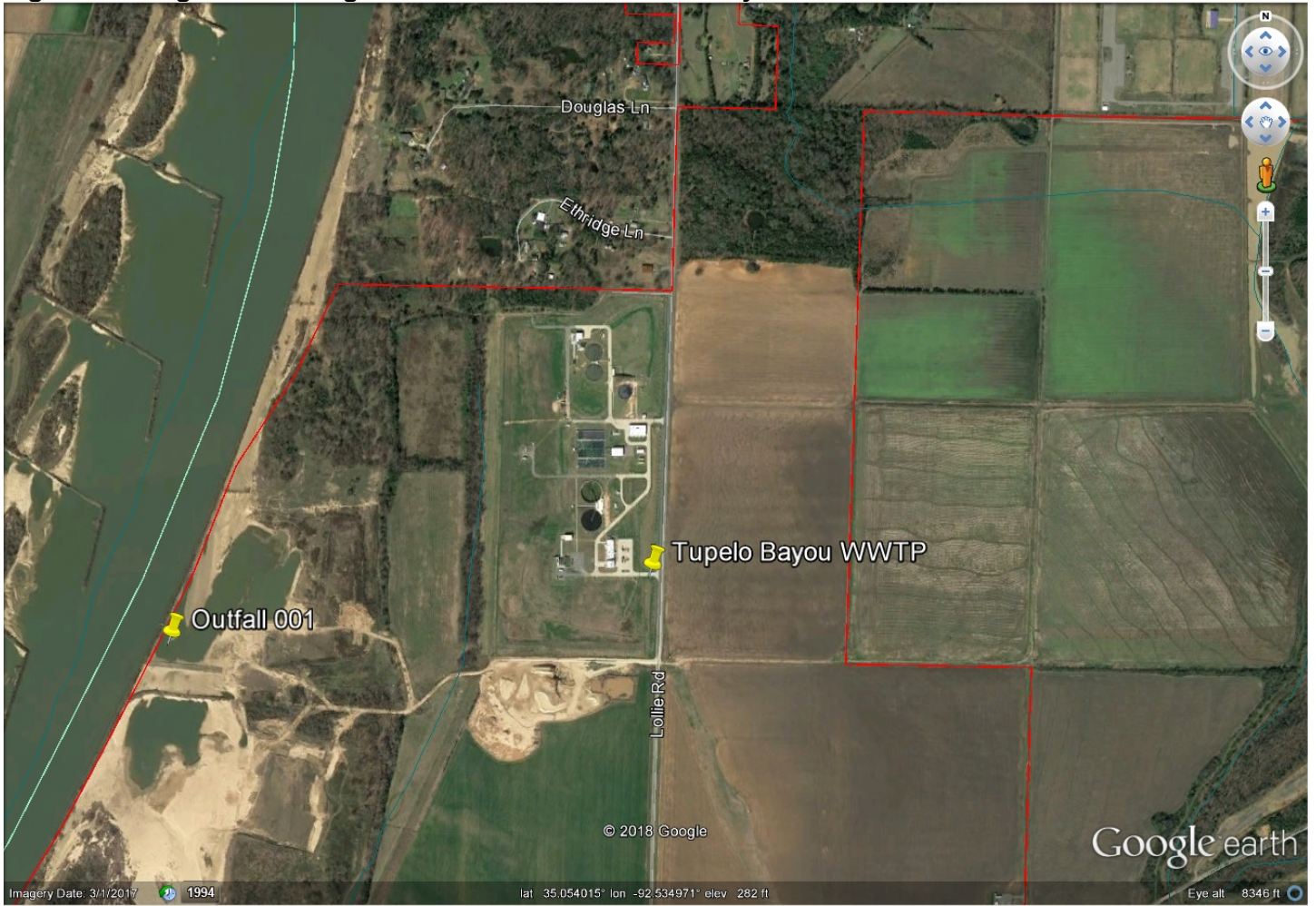




Figure 2. Google Earth image dated March 2017 with facility treatment components noted.

