ADEQ

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

August 27, 2018

Walter Collins, Director of Operations
Little Rock Water Reclamation Authority
11 Clearwater Drive
Little Rock, AR 72204

RE: Adams Field Water Reclamation Facility Inspection
AFIN: 60-00409 Permit No.: AR0021806

Dear Mr. Collins:

On August 10, 2018 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.

No violations were noted at the time of the inspection. Please refer to the attached inspection report for any comments. If we can be of any assistance, please contact Jason Bolenbaugh at bolenbaugh@adeq.state.ar.us or (501) 682-0659.

Sincerely,

Clark Baker

Clark Baker
Inspector Supervisor
Office of Water Quality

ADEQ
ARKANSAS
Department of Environmental Quality

WATER DIVISION INSPECTION REPORT

AFIN: **60-00409**	PERMIT #: **AR0021806**	DATE: **8/10/2018**
COUNTY: **60 Pulaski**	PDS #: **104292**	MEDIA: **WN**
GPS LAT: **34.734712** LONG: **-92.212697** LOCATION: **Outfall**		

FACILITY INFORMATION

NAME:
Adams Field Water Reclamation Facility
LOCATION:
1001 Temple Street
CITY:
Little Rock

RESPONSIBLE OFFICIAL

NAME: / TITLE
Walter Collins / Director of Operations
COMPANY:
Little Rock Water Reclamation Authority
MAILING ADDRESS:
11 Clearwater Drive
CITY, STATE, ZIP:
Little Rock AR 72204
PHONE & EXT: / FAX:
501-688-1429 / 501-681-7669
EMAIL:
walter.collins@lrwra.com
CONTACTED DURING INSPECTION: **Yes**

INSPECTION INFORMATION

FACILITY TYPE: **1 - Municipal**
INSPECTOR ID#: **80397 S - State**
FACILITY EVALUATION RATING: **5 - Satisfactory**
INSPECTION TYPE: **Compliance Evaluation**
DATE(S): **8/10/2018**
ENTRY TIME: **08:45**
EXIT TIME: **12:15**
PERMIT EFFECTIVE DATE: **1/1/2018**
PERMIT EXPIRATION DATE: **12/31/2022**
FAYETTEVILLE SHALE RELATED: **N**
FAYETTEVILLE SHALE VIOLATIONS: **N**

INSPECTION PARTICIPANTS

NAME/TITLE/PHONE/FAX/EMAIL/ETC.:
Clark Baker/Inspector Supervisor/(501)682-0657
Eric L. Wassell/Plant Superintendent/(501)490-5402
John Thompson/Plant Supervisor/(501)688-1543
Mikel Murders/Pretreatment Supervisor/501-688-1532

AREA EVALUATIONS

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

S	PERMIT	**S**	FLOW MEASUREMENT	**S**	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	**S**	PRETREATMENT
N	OTHER:				

SUMMARY OF FINDINGS

There were no violations observed at the time of inspection.

GENERAL COMMENTS

INSPECTOR'S SIGNATURE: Clark Baker **Clark Baker** DATE: **8/23/2018**

SUPERVISOR'S SIGNATURE: **Jason Bolenbaugh** DATE: **8/24/2018**

SECTION A: PERMIT VERIFICATION	
PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS	☑S ☐M ☐U ☐NA ☐NE
DETAILS:	
1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE:	☑Y ☐N ☐NA ☐NE
2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES:	☑Y ☐N ☐NA ☐NE
3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT:	☑Y ☐N ☐NA ☐NE
4. ALL DISCHARGES ARE PERMITTED:	☑Y ☐N ☐NA ☐NE

SECTION B: RECORDKEEPING AND REPORTING EVALUATION	
RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT	☑S ☐M ☐U ☐NA ☐NE
DETAILS:	
1. ANALYTICAL RESULTS CONSISTENT WITH DATA REPORTED ON DMRS:	☑Y ☐N ☐NA ☐NE
2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE:	☑S ☐M ☐U ☐NA ☐NE
a. DATES AND TIME(S) OF SAMPLING:	☑Y ☐N ☐NA ☐NE
b. EXACT LOCATION(S) OF SAMPLING:	☑Y ☐N ☐NA ☐NE
c. NAME OF INDIVIDUAL PERFORMING SAMPLING:	☑Y ☐N ☐NA ☐NE
d. ANALYTICAL METHODS AND TECHNIQUES:	☑Y ☐N ☐NA ☐NE
e. RESULTS OF CALIBRATIONS:	☑Y ☐N ☐NA ☐NE
f. RESULTS OF ANALYSES:	☑Y ☐N ☐NA ☐NE
g. DATES AND TIMES OF ANALYSES:	☑Y ☐N ☐NA ☐NE
h. NAME OF PERSON(S) PERFORMING ANALYSES:	☑Y ☐N ☐NA ☐NE
3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE:	☑S ☐M ☐U ☐NA ☐NE
4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR:	☑S ☐M ☐U ☐NA ☐NE
5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA:	☐Y ☐N ☐NA ☐NE

SECTION C: OPERATIONS AND MAINTENANCE	
TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED	☑S ☐M ☐U ☐NA ☐NE
DETAILS:	
1. TREATMENT UNITS PROPERLY OPERATED:	☑S ☐M ☐U ☐NA ☐NE
2. TREATMENT UNITS PROPERLY MAINTAINED:	☑S ☐M ☐U ☐NA ☐NE
3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED:	☑S ☐M ☐U ☐NA ☐NE
4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE:	☑S ☐M ☐U ☐NA ☐NE
5. ALL NEEDED TREATMENT UNITS IN SERVICE:	☑S ☐M ☐U ☐NA ☐NE
6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED:	☑S ☐M ☐U ☐NA ☐NE
7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED:	☑S ☐M ☐U ☐NA ☐NE
8. OPERATION AND MAINTENANCE MANUAL AVAILABLE:	☑Y ☐N ☐NA ☐NE
9. STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED:	☑Y ☐N ☐NA ☐NE
10. PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED:	☑Y ☐N ☐NA ☐NE
11. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR:	☐Y ☑N ☐NA ☐NE
12. IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED:	☐Y ☐N ☑NA ☐NE
13. HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS:	☐Y ☐N ☑NA ☐NE
14. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT:	☐Y ☑N ☐NA ☐NE
15. IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT:	☐Y ☐N ☑NA ☐NE

SECTION D: SAMPLING	
PERMITTEE SAMPLING MEETS PERMIT REQUIREMENTS	☑S ☐M ☐U ☐NA ☐NE
DETAILS:	
1. SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT:	☑Y ☐N ☐NA ☐NE
2. LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES:	☑Y ☐N ☐NA ☐NE
3. FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT:	☑Y ☐N ☐NA ☐NE
4. SAMPLING AND ANALYSES COMPLETED ON PARAMETERS SPECIFIED IN PERMIT:	☑Y ☐N ☐NA ☐NE
5. SAMPLING AND ANALYSES PERFORMED AT FREQUENCY SPECIFIED IN PERMIT:	☑Y ☐N ☐NA ☐NE
6. SAMPLE COLLECTION PROCEDURES ADEQUATE:	☑Y ☐N ☐NA ☐NE
a. SAMPLES REFRIGERATED DURING COMPOSITING:	☑Y ☐N ☐NA ☐NE
b. PROPER PRESERVATION TECHNIQUES USED:	☑Y ☐N ☐NA ☐NE
c. CONTAINERS AND SAMPLE HOLDING TIMES CONFORM TO 40 CFR 136:	☑Y ☐N ☐NA ☐NE
7. IF MONITORING IS PERFORMED MORE OFTEN THAN REQUIRED ARE RESULTS REPORTED ON THE DMR:	☑Y ☐N ☐NA ☐NE

SECTION E: FLOW MEASUREMENT	
PERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS	☑S ☐M ☐U ☐NA ☐NE
DETAILS:	
1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED:__ TYPE OF DEVICE:	☑Y ☐N ☐NA ☐NE
2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED:	☑Y ☐N ☐NA ☐NE
3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED:	☑Y ☐N ☐NA ☐NE
4. CALIBRATION FREQUENCY ADEQUATE:	☑Y ☐N ☐NA ☐NE
5. RECORDS MAINTAINED OF CALIBRATION PROCEDURES:	☑Y ☐N ☐NA ☐NE
6. CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE:	☑Y ☐N ☐NA ☐NE
7. FLOW ENTERING DEVICE WELL DISTRIBUTED ACROSS THE CHANNEL AND FREE OF TURBULENCE:	☑Y ☐N ☐NA ☐NE
8. FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGE OF FLOW RATES:	☑Y ☐N ☐NA ☐NE
9. HEAD MEASURED AT PROPER LOCATION:	☑Y ☐N ☐NA ☐NE

SECTION F: LABORATORY	
PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS	☐S ☐M ☐U ☐NA ☑NE
DETAILS:	
1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(B) FOR SLUDGES) :	☐Y ☐N ☐NA ☑NE
2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED:	☐Y ☐N ☐NA ☑NE
3. SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT:	☐Y ☐N ☐NA ☑NE
4. QUALITY CONTROL PROCEDURES ADEQUATE:	☐Y ☐N ☐NA ☑NE
5. DUPLICATE SAMPLES ARE ANALYZED ≥10% OF THE TIME:	☐Y ☐N ☐NA ☑NE
6. SPIKED SAMPLES ARE ANALYZED ≥10% OF THE TIME:	☐Y ☐N ☐NA ☑NE
7. COMMERCIAL LABORATORY USED:	☐Y ☐N ☐NA ☑NE
a. LAB NAME:	
b. LAB ADDRESS:	
c. PARAMETERS PERFORMED:	
8. BIOMONITORING PROCEDURES ADEQUATE:	☐Y ☐N ☐NA ☑NE
a. PROPER ORGANISMS USED:	☐Y ☐N ☐NA ☑NE
b. PROPER DILUTION SERIES FOLLOWED:	☐Y ☐N ☐NA ☑NE
c. PROPER TEST METHODS AND DURATION:	☐Y ☐N ☐NA ☑NE
d. RETESTS AND/OR TRE PERFORMED AS REQUIRED:	☐Y ☐N ☐NA ☑NE

SECTION G: EFFLUENT/RECEIVING WATERS OBSERVATIONS

BASED ON VISUAL OBSERVATIONS ONLY — ☑S ☐M ☐U ☐NA ☐NE

DETAILS:

OUTFALL #:	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOATING SOLIDS	COLOR	OTHER
001	No	No	No	No	No	No	--

SECTION H: SLUDGE DISPOSAL

SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS — ☑S ☐M ☐U ☐NA ☐NE

DETAILS: **All sludge is piped to Fourche WWTP. Wasted sludge from Fourche WWTP is land applied.**

1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY: ☑S ☐M ☐U ☐NA ☐NE
2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503: ☑S ☐M ☐U ☐NA ☐NE
3. FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO: (E.G., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE):

SECTION I: SAMPLING INSPECTION PROCEDURES

SAMPLE RESULTS WITHIN PERMIT REQUIREMENTS — ☐S ☐M ☐U ☑NA ☐NE

DETAILS:

1. SAMPLES OBTAINED THIS INSPECTION: ☐Y ☐N ☑NA ☐NE
2. TYPE OF SAMPLE: ☐GRAB:__ ☐COMPOSITE:__ METHOD:__ FREQUENCY:
3. SAMPLES PRESERVED: ☐Y ☐N ☑NA ☐NE
4. FLOW PROPORTIONED SAMPLES OBTAINED: ☐Y ☐N ☑NA ☐NE
5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE: ☐Y ☐N ☑NA ☐NE
6. SAMPLE REPRESENTATIVE OF VOLUME AND NATURE OF DISCHARGE: ☐Y ☐N ☑NA ☐NE
7. SAMPLE SPLIT WITH PERMITTEE: ☐Y ☐N ☑NA ☐NE
8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED: ☐Y ☐N ☑NA ☐NE
9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT: ☐Y ☐N ☑NA ☐NE

SECTION J: STORM WATER POLLUTION PREVENTION PLAN

STORM WATER MANAGEMENT MEETS PERMIT REQUIREMENTS — ☐S ☐M ☐U ☑NA ☐NE

DETAILS: **The facility has a No Exposure Exclusion and there were no violations to the exclusion observed**

1. SWPPP UPDATED AS NEEDED:__ DATE OF LAST UPDATE: ☐Y ☐N ☑NA ☐NE
2. SITE MAP INCLUDING ALL DISCHARGES AND SURFACE WATERS: ☐Y ☐N ☑NA ☐NE
3. POLLUTION PREVENTION TEAM IDENTIFIED: ☐Y ☐N ☑NA ☐NE
4. POLLUTION PREVENTION TEAM PROPERLY TRAINED: ☐Y ☐N ☑NA ☐NE
5. LIST OF POTENTIAL POLLUTANT SOURCES: ☐Y ☐N ☑NA ☐NE
6. LIST OF POTENTIAL SOURCES AND PAST SPILLS AND LEAKS: ☐Y ☐N ☑NA ☐NE
7. ALL NON-STORM WATER DISCHARGES ARE AUTHORIZED: ☐Y ☐N ☑NA ☐NE
8. LIST OF STRUCTURAL BMPS: ☐Y ☐N ☑NA ☐NE
9. LIST OF NON-STRUCTURAL BMPS: ☐Y ☐N ☑NA ☐NE
10. BMPS PROPERLY OPERATED AND MAINTAINED: ☐Y ☐N ☑NA ☐NE
11. INSPECTIONS CONDUCTED AS REQUIRED: ☐Y ☐N ☑NA ☐NE

FLOW CALCULATION SHEET

Date: _____ Time: _____

Head in Inches: _____ Feet: _____

Type & Size of Primary Flow Measurement Device:

Name & Model of Secondary Flow Measurement Device:

Date of last Calibration of Secondary Flow Device:

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

Calculated Flow at Date & Time Listed Above: _____

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

$$\% \text{ Error} = \frac{\text{Recorded Value} - \text{Calculated Value}}{\text{Calculated Value}} \times 100$$

$$\% \text{ Error} = \frac{\quad - \quad}{\quad} \times 100$$

$$\% \text{ Error} = \frac{\quad}{\quad} \times 100$$

% Error = _____ X 100

% Error = _____ %

Comments: **There is only one method of flow measurement at this facility. It is a flow meter that measures the flow in the piping prior to discharge. This meter is calibrated once every six months.**

DMR Calculation Check

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

Parameter Checked: **TSS**

	Loading	**Concentration**	
	Mass	**Monthly**	
	Mo. Avg. - lbs/day	**Mo. Avg. - mg/l**	**7-day Avg. - mg/l**
Reported Value:	**807**	**7**	**7.7**
Calculated Value:	**806.492**	**7.02**	**7.667**
Permit Value:	**9007**	**30**	**45**

If calculated value does not equal reported value, explain:

DMR Calculation Check

Reporting Period:	**From**	**2018** (Year)	**6** (Month)	**1** (Day)	**To**	**2018** (Year)	**6** (Month)	**31** (Day)

Parameter Checked: **NH3-N**

	Loading	**Concentration**	
	Mass	**Monthly**	
	Mo. Avg. - lbs/day	**Mo. Avg. - mg/l**	**7-day Avg. - mg/l**
Reported Value:	**1170**	**10.6**	**13.7**
Calculated Value:	**1170.040**	**10.60**	**13.7**
Permit Value:	**3573**	**11.9**	**29.7**

If calculated value does not equal reported value, explain:

Water Division Photographic Evidence Sheet					
Location:	**Adams Field Water Reclamation Facility**				
Photographer:	**Clark Baker**	Date:	**8/10/2018**	Time:	**09:08**
Witness:	**Eric Wassell**			Photo #:	**1**
Description:	**Bar screens and grit removal building in the background**				

Photographer:	**Clark Baker**	Date:	**8/10/2018**	Time:	**09:07**
Witness:	**Eric Wassell**			Photo #:	**2**
Description:	**Dumpster receiving solids with a drain that goes back to the headworks**				

Water Division Photographic Evidence Sheet					
Location:	**Adams Field Water Reclamation Facility**				
Photographer:	**Clark Baker**	Date:	**8/10/2018**	Time:	**09:13**
Witness:	**Eric Wassell**			Photo #:	**3**
Description:	**EQ basin being drained**				

Photographer:	**Clark Baker**	Date:	**8/10/2018**	Time:	**09:16**
Witness:	**Eric Wassell**			Photo #:	**4**
Description:	**Primary Clarifier**				

Water Division Photographic Evidence Sheet					
Location:	**Adams Field Water Reclamation Facility**				
Photographer:	**Clark Baker**	Date:	**8/10/2018**	Time:	**09:25**
Witness:	**Eric Wassell**			Photo #:	**5**
Description:	**Digesters**				

Photographer:	**Clark Baker**	Date:	**8/10/2018**	Time:	**09:27**
Witness:	**Eric Wassell**			Photo #:	**6**
Description:	**Digesters**				

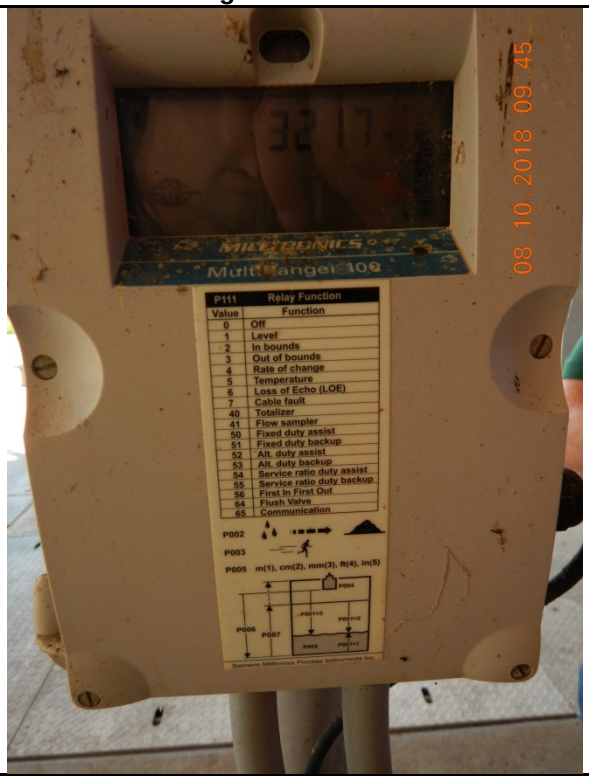
Water Division Photographic Evidence Sheet					
Location:	**Adams Field Water Reclamation Facility**				
Photographer:	**Clark Baker**	Date:	**8/10/2018**	Time:	**09:30**
Witness:	**Eric Wassell**			Photo #:	**7**
Description:	**Secondary Clarifier**				

Photographer:	**Clark Baker**	Date:	**8/10/2018**	Time:	**09:36**
Witness:	**Eric Wassell**			Photo #:	**8**
Description:	**UV Disinfection**				

Water Division Photographic Evidence Sheet					
Location:	**Adams Field Water Reclamation Facility**				
Photographer:	**Clark Baker**	Date:	**8/10/2018**	Time:	**09:40**
Witness:	**Eric Wassell**			Photo #:	**9**
Description:	**Composite samplers**				

Photographer:	**Clark Baker**	Date:	**8/10/2018**	Time:	**09:40**
Witness:	**Eric Wassell**			Photo #:	**10**
Description:	**Composite sampler with clean tubing and a thermometer suspended in a liquid medium to ensure that the samples are preserved at an appropriate temperature throughout the sampling process.**				

Water Division Photographic Evidence Sheet					
Location:	**Adams Field Water Reclamation Facility**				
Photographer:	**Clark Baker**	Date:	**8/10/2018**	Time:	**09:46**
Witness:	**Eric Wassell**			Photo #:	**11**
Description:	**One of several flow monitoring device**				

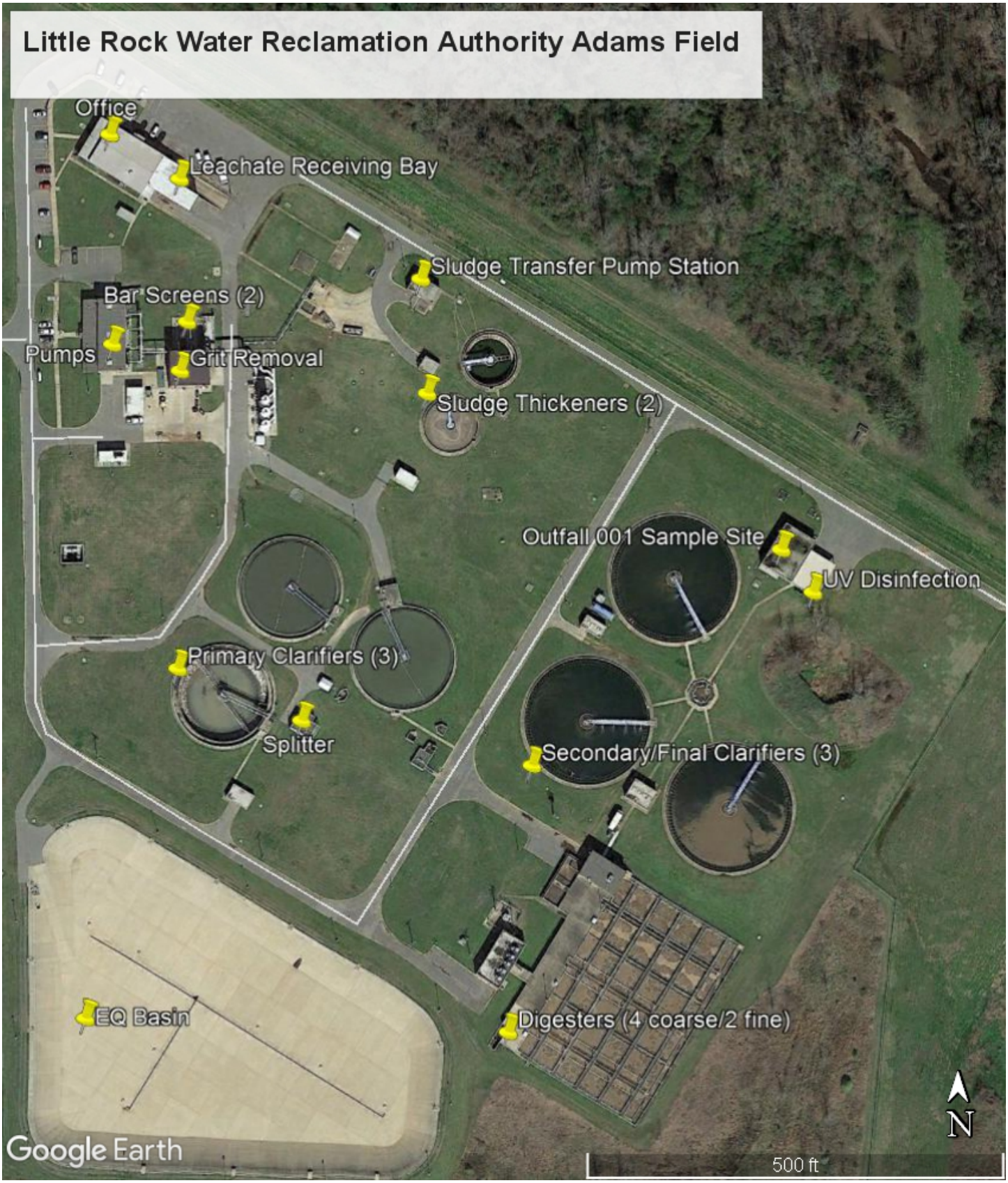


Photographer:	**Clark Baker**	Date:	**8/10/2018**	Time:	**09:46**
Witness:	**Eric Wassell**			Photo #:	**12**
Description:	**Outfall prior to being piped to the Arkansas River**				

Water Division Photographic Evidence Sheet					
Location:	**Adams Field Water Reclamation Facility**				
Photographer:	**Clark Baker**	Date:	**8/10/2018**	Time:	**09:10**
Witness:	**Eric Wassell**			Photo #:	**13**
Description:	**Backup generator and fuel storage tank**				

Photographer:	**Clark Baker**	Date:	**8/10/2018**	Time:	**09:29**
Witness:	**Eric Wassell**			Photo #:	**14**
Description:	**Backup generator and fuel storage tank**				

Google Earth image of the facility:



Google Earth image of the facility and the rough location of the final outfall in the Arkansas River: