DIVISION OF ENVIRONMENTAL QUALITY

Sarah Huckabee Sanders
GOVERNOR
Shane E. Khoury
SECRETARY

March 28, 2024

Honorable Jim Fincher, Mayor
City of Alma
804 Fayetteville Avenue
Alma, AR 72921
Email Address: jim@cityofalma.org

RE: City of Alma POTW Inspection (Crawford County)
AFIN: 17-00059 Permit No.: AR0021466

Honorable Mayor Fincher:

On March 7, 2024, I performed a Compliance Evaluation and Collection System Inspections 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. Additionally, Mr. Randy Vickers conducted a collection system inspection and Mr. Austin Hawes conducted an Industrial Stormwater Inspection. A copy of each inspection report is enclosed for your records.

No violations were noted at the time of the inspection. Please refer to the inspection report for any comments.

If I can be of any assistance, please contact me at travis.harmon@adeq.state.ar.us or (501) 837-2070.

Sincerely,

Travis Harmon
Inspector, Office of Water Quality

CC via email: jacob@cityofalma.com almawwtp@ymail.com

ENVIRONMENTAL QUALITY

OFFICE OF WATER QUALITY INSPECTION REPORT

AFIN: **17-00059**	PERMIT #: **AR0021466**	DATE: **3/7/2024**
COUNTY: **17 Crawford**	PDS #: **129485**	MEDIA: **WN**
GPS LAT: **35.460610** LONG: **-94.185655** LOCATION: **General Area**		

FACILITY INFORMATION

NAME:
City of Alma POTW
LOCATION:
2500 Orrick Road
CITY:
Alma, AR 72921

RESPONSIBLE OFFICIAL

NAME: / TITLE
Honorable Jim Fincher / Mayor
COMPANY:
City of Alma
MAILING ADDRESS:
804 Fayetteville Avenue
CITY, STATE, ZIP:
Alma AR 72921
PHONE & EXT: / FAX:
479-632-4110 /
EMAIL:
jim@cityofalma.org

CONTACTED DURING INSPECTION: **No**

INSPECTION INFORMATION

FACILITY TYPE: **1 - Municipal**
INSPECTOR ID#: **34689 S - State**
FACILITY EVALUATION RATING: **5 - Satisfactory**
INSPECTION TYPE: **Compliance Evaluation**
DATE(S): **3/7/2024**
ENTRY TIME: **10:30**
EXIT TIME: **13:00**
PERMIT EFFECTIVE DATE: **8/1/2018**
PERMIT EXPIRATION DATE: **7/31/2023**

FAYETTEVILLE SHALE RELATED: **N**

FAYETTEVILLE SHALE VIOLATIONS: **N**

INSPECTION PARTICIPANTS

NAME/TITLE/PHONE/FAX/EMAIL/ETC.:
Mr. Tony Maxwell/ Chief Operator/
almawwtp@ymail.com
Mr. Jacob Debbes/ Operations Supervisor/
jacob@cityofalma.com

AREA EVALUATIONS

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

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

SUMMARY OF FINDINGS

I found no permit violations concerning the treatment system at the time of inspection

GENERAL COMMENTS

Introduction

I inspected March 7, 2024. OWQ Inspectors Randy Vickers and Austin Hawes attended. Mr. Vickers conducted a collection system inspection and Mr. Hawes conducted an industrial stormwater inspection. The inspection was scheduled and Mr. Tony Maxwell, Chief Operator, and Mr. Jacob Debbes, Operations Supervisor, represented the facility. The City of Alma operates a POTW designed to treat 1.75 MGD. There is currently a CAP to address SSO's.

WWTP Inspection

I inspected the treatment plant from influent to final effluent. Treatment consists of lagoon 1 with three cells; the first aerated, and the second and third for partial mixing. Lagoon 2 a facultative two-cell lagoon, and lagoon 3 is a facultative three-cell lagoon. The facility also has an equalization basin which receives wastewater from lagoon 1 via a valve. Lagoon levees appeared well maintained and with rip rap in place to prevent wave erosion. There is a chlorine disinfection system which is optional and is not used. Effluent is measured via a three-foot rectangular weir with contractions and a totalizing meter. Mr. Maxwell collected an effluent sample for visual observation. Final effluent appeared sufficiently treated at the time of inspection.

Records Review

I reviewed monthly DMR from February 2023 through January 2024 prior to the inspection. Mr. Maxwell provided copies of all analysis results, averaging and load calculations, and flow rates for January 2024. He also provided lab analysis and chain of custody. Currently Mr. Maxwell analyzed DO and PH and I left a lab records request form for these parameters with Mr. Maxwell. Other parameters are analyzed by Data Testing, Inc. I also reviewed the acute biomonitoring report, conducted by Eurofins December 13-15, 2023, for proper organisms, proper duration, and dilution series.

INSPECTOR'S SIGNATURE: Travis Harmon	**Travis Harmon**	DATE: **3/13/2024**
SUPERVISOR'S SIGNATURE: Amy Huneycutt	**Amy Huneycutt**	DATE: **3/18/2024**

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: **3 ft rect. w/contraction**	☑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: **Calibrated October 16, 2023**	☑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: **Data Testing, Inc.**	
b. LAB ADDRESS: **3434 Country Club, Fort Smith, AR**	
c. PARAMETERS PERFORMED: **All except DO and PH**	
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: **Viewed at sample collection point**

OUTFALL #:	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOATING SOLIDS	COLOR	OTHER
001	none	none	none	none	none	Near clear	--

SECTION H: SLUDGE DISPOSAL

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

DETAILS: **Permit 5068-WR-2**

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: **No exposure inspection conducted by Austin Hawes March 7, 2024**

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

DMR Calculation Check

Reporting Period:	From	2024	01	01	To	2024	01	31
		Year	Month	Day		Year	Month	Day

Parameter Checked: TSS

	Loading Mass Mo. Avg. - lbs/day	Concentration Monthly Mo. Avg. - mg/l	Concentration Monthly 7-day Avg. - mg/l
Reported Value:	67.3	3.9	5.7
Calculated Value:	67.3	3.9	5.7
Permit Value:	437.9	30.0	45.0

If calculated value does not equal reported value, explain:

DMR Calculation Check

Reporting Period:	From	2024	01	01	To	2024	01	31
		Year	Month	Day		Year	Month	Day

Parameter Checked: CBOD

	Loading Mass Mo. Avg. - lbs/day	Concentration Monthly Mo. Avg. - mg/l	Concentration Monthly 7-day Avg. - mg/l
Reported Value:	72.8	4.8	5.7
Calculated Value:	72.8	4.8	5.7
Permit Value:	437.9	30.0	45.0

If calculated value does not equal reported value, explain:

Office of Water Quality Photographic Evidence Sheet					
Location:	**City of Alma POTW**				
Photographer:	**Travis Harmon**	Date:	**March 7, 2024**	Time:	**1106**
Witness:	**Randy Vickers and Austin Hawes**			Photo #:	**1**
Description:	**View of headworks**				

Photographer:	**Travis Harmon**	Date:	**March 7, 2024**	Time:	**1107**
Witness:	**Randy Vickers and Austin Hawes**			Photo #:	**2**
Description:	**View of screening and auger**				

Office of Water Quality Photographic Evidence Sheet					
Location:	**City of Alma POTW**				
Photographer:	**Travis Harmon**	Date:	**March 7, 2024**	Time:	**1107**
Witness:	**None**			Photo #:	**3**
Description:	**Influent flume**				

Photographer:	**Travis Harmon**	Date:	**March 7, 2024**	Time:	**1111**
Witness:	**None**			Photo #:	**4**
Description:	**Lagoon 1- three cell lagoon with first to aerate and send and third for partial mixing. Lagoon has valve to eq basin.**				

Office of Water Quality Photographic Evidence Sheet					
Location:	**City of Alma POTW**				
Photographer:	**Travis Harmon**	Date:	**March 7, 2024**	Time:	**1114**
Witness:	**Randy Vickers and Austin Hawes**			Photo #:	**5**
Description:	**View of eq basin**				

Photographer:	**Travis Harmon**	Date:	**March 7, 2024**	Time:	**1120**
Witness:	**Randy Vickers and Austin Hawes**			Photo #:	**6**
Description:	**Lagoon 2 with optional aeration and floating cover to reduce algal growth.**				

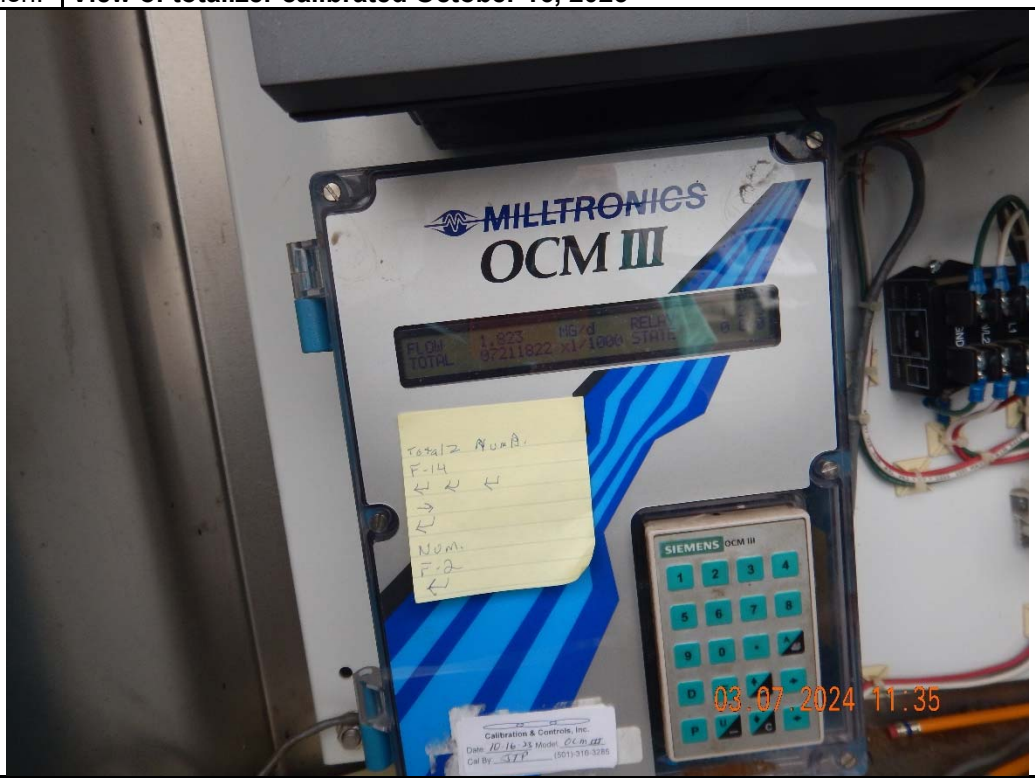
Office of Water Quality Photographic Evidence Sheet					
Location:	**City of Alma POTW**				
Photographer:	**Travis Harmon**	Date:	**March 7, 2024**	Time:	**1123**
Witness:	**Randy Vickers and Austin Hawes**			Photo #:	**7**
Description:	**Lagoon 3 and floating cover**				

Photographer:	**Travis Harmon**	Date:	**March 7, 2024**	Time:	**1123**
Witness:	**Randy Vickers and Austin Hawes**			Photo #:	**8**
Description:	**Levees were maintained and lagoons had rip rap to prevent wave erosion**				

Office of Water Quality Photographic Evidence Sheet					
Location:	**City of Alma POTW**				
Photographer:	**Travis Harmon**	Date:	**March 7, 2024**	Time:	**1131**
Witness:	**Randy Vickers and Austin Hawes**			Photo #:	**9**
Description:	**Optional chlorine contact- not in use**				

Photographer:	**Travis Harmon**	Date:	**March 7, 2024**	Time:	**1134**
Witness:	**Randy Vickers and Austin Hawes**			Photo #:	**10**
Description:	**View of effluent weir and totalizer placement**				

Office of Water Quality Photographic Evidence Sheet					
Location:	**City of Alma POTW**				
Photographer:	**Travis Harmon**	Date:	**March 7, 2024**	Time:	**1135**
Witness:	**Randy Vickers and Austin Hawes**			Photo #:	**11**
Description:	**View of totalizer calibrated October 16, 2023**				



Photographer:	**Travis Harmon**	Date:	**March 7, 2024**	Time:	**1145**
Witness:	**Randy Vickers and Austin Hawes**			Photo #:	**12**
Description:	**View of final effluent and effluent sample location**				

Office of Water Quality Photographic Evidence Sheet					
Location:	**City of Alma POTW**				
Photographer:	**Travis Harmon**	Date:	**March 7, 2024**	Time:	**1145**
Witness:	**Randy Vickers and Austin Hawes**			Photo #:	**13**
Description:	**Additional view of final effluent quality**				

Photographer:	**Travis Harmon**	Date:	**March 7, 2024**	Time:	**1148**
Witness:	**Randy Vickers and Austin Hawes**			Photo #:	**14**
Description:	**View of rip rap in place to prevent wave erosion**				

Google Earth: