



ARKANSAS

ENERGY & ENVIRONMENT

August 28, 2023

Stephanie Orman, Mayor
City of Bentonville
1000 SW 14th St
Bentonville, AR 72712
Sent via email to: sorman@bentonvillear.com

RE: City of Bentonville Inspection (Benton Co)
AFIN: 04-00154 NPDES Permit No.: ARR0022403

Dear Honorable Mayor Orman:

On June 13, 2023, 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 inspection report for any comments.


If I can be of any assistance, please contact me at william.cody@adeq.state.ar.us or (501) 944-2569.

Sincerely,

A handwritten signature in blue ink that reads 'William Cody'.

William Cody
Inspector, Office of Water Quality
5301 Northshore Drive, North Little Rock, AR, 72118

Cc: chrise@bentonvillear.com; tmcgee@bentonvillear.com; cearl@bentonvillear.com

 <p>ENVIRONMENTAL QUALITY</p>	OFFICE OF WATER QUALITY INSPECTION REPORT		
	AFIN: 04-00154	PERMIT #: ARR0022403	DATE: 6/13/2023
	COUNTY: 04 Benton	PDS #: 126310	MEDIA: WN
	GPS LAT: 36.390939 LONG: -94.203999 LOCATION: Entrance		

FACILITY INFORMATION	INSPECTION INFORMATION
NAME: City of Bentonville LOCATION: 1901 NE A St. CITY: Bentonville	FACILITY TYPE: 1 - Municipal INSPECTOR ID#: 142257 S - State FACILITY EVALUATION RATING: 3 - Satisfactory INSPECTION TYPE: Compliance Evaluation DATE(S): 6/13/2023 ENTRY TIME: 09:11 EXIT TIME: 11:11 PERMIT EFFECTIVE DATE: 2/1/2021 PERMIT EXPIRATION DATE: 1/31/2026
RESPONSIBLE OFFICIAL	FAYETTEVILLE SHALE RELATED: N FAYETTEVILLE SHALE VIOLATIONS: N
NAME / TITLE: Stephanie Orman / Mayor COMPANY: City of Bentonville MAILING ADDRESS: 1000 SW 14th St CITY, STATE, ZIP: Bentonville AR 72712 PHONE & EXT. / FAX: 479-271-3160 / EMAIL: sorman@bentonvillear.com	INSPECTION PARTICIPANTS
CONTACTED DURING INSPECTION: No	NAME/TITLE/PHONE/FAX/EMAIL/ETC.: Chris Earl, Manager Matt Webster, Assistant Manager Kerri McCabe, Area I Inspector Supervisor William Cody, Area I Inspector

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

SUMMARY OF FINDINGS
No violations were noted during the inspection.

GENERAL COMMENTS

On June 13, 2023, Inspector Supervisor Kerri McCabe and I conducted an inspection at the City of Bentonville Water Resource and Recovery Facility. The inspection consisted of a site evaluation, and records were reviewed after the inspection. Mr. Chris Earl, Manager, and Mr. Matt Webster, Assistant Manager, accompanied us during the inspection.

Records Review:

I provided Mr. Earl the DEQ Laboratory Records Request sheet during the inspection. I then requested records for February and November of 2022 to review and conduct a DMR consistency check. No items were noted during the DMR consistency check.

Site Evaluation:



The facility is in good condition overall and no items were noted. The treatment facility has three lines into the plant: two are force main lines; one is a gravity line. An automatic bar screen is properly functioning and a manual bar screen is available if needed. A new grit classifier has been installed this year. The grit chamber has new components as of 2021, and the solids from the chamber are routed back to the classifier.

The facility’s wastewater treatment process involves four fermentation cells where the wastewater flows through each cell by means of a gate. The wastewater then proceeds to the first oxidation ditch where rollers are used to provide oxygen and promote mixing. The wastewater then proceeds to the second oxidation ditch for further processing. Wastewater is then routed to a splitter box, which routes the water through four anoxic cells. Once the wastewater has been processed in the anoxic cells, it is re-routed to the second oxidation ditch for “polishing” or to be processed a second time. Mr. Earl mentioned that they hope to change from the rollers in the oxidation ditches to another method of supplying oxygen by this time next year. There are D.O. and phosphorus meters at each end of both oxidation ditches, which are checked every four hours. Mr. Earl explained they try to achieve a more anaerobic condition in Oxidation Ditch #2 before the wastewater goes to the anoxic cells, while Oxidation Ditch #1 is maintained for aerobic conditions and a slightly higher D.O. level.

Wastewater from Oxidation Ditch #2 proceeds to a splitter box by means of a weir, which distributes the water to two clarifiers. The concrete in the clarifiers have been coated and new components were installed in 2019. The second clarifier’s floor is uneven, and Mr. Earl stated they are planning to have a third clarifier built and in operation in the future. Mr. Earl also mentioned they will be changing to DAS once approved.

Wastewater then proceeds to UV disinfection where there are 96 bulbs. Each bulb is checked every two weeks, and Mr. Earl mentioned they would like to implement a more robust UV system and essentially double the amount of bulbs that they currently use. Post-aeration and UV disinfection occurs under metal coverings. The effluent flow is measured by means of an 18” Parshall Flume with an ISCO 3010 Ultrasonic Flow Transmitter as the secondary measurement device. The effluent is discharged over a weir into Town Branch Creek. The effluent is clear.

The facility has five aerated digesters that receive the WAS from the thickeners. A Volute Dewatering Press is used for solids and it was installed in January 2019. Solids are hauled off via 18-wheeler trailers. Old sludge drying beds are now used as solids storage.

INSPECTOR'S SIGNATURE:  William Cody	DATE: 7/10/2023
SUPERVISOR'S SIGNATURE:  Kerri McCabe	DATE: 8/17/2023

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:	<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 checked="" 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
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:	
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 type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE
4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR:	<input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input checked="" 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:	
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 type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" 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 checked="" 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

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:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" 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
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:	
1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED: TYPE OF DEVICE: <u>18" 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
SECTION F: LABORATORY	
PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS	<input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE
DETAILS:	
1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(B) FOR SLUDGES) :	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE
2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE
3. SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE
4. QUALITY CONTROL PROCEDURES ADEQUATE:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE
5. DUPLICATE SAMPLES ARE ANALYZED \geq 10% OF THE TIME:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE
6. SPIKED SAMPLES ARE ANALYZED \geq 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:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE
a. LAB NAME:	
b. LAB ADDRESS:	
c. PARAMETERS PERFORMED:	
8. BIOMONITORING PROCEDURES ADEQUATE:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE
a. PROPER ORGANISMS USED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE
b. PROPER DILUTION SERIES FOLLOWED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE
c. PROPER TEST METHODS AND DURATION:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE
d. RETESTS AND/OR TRE PERFORMED AS REQUIRED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" 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:							
OUTFALL #:	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOATING SOLIDS	COLOR	OTHER
001	None	None	None	None	None	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:							
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 checked="" type="checkbox"/> 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						<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	
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 type="checkbox"/> NA <input checked="" type="checkbox"/> NE	
DETAILS:							
1. SWPPP UPDATED AS NEEDED:__ DATE OF LAST UPDATE:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE	
2. SITE MAP INCLUDING ALL DISCHARGES AND SURFACE WATERS:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE	
3. POLLUTION PREVENTION TEAM IDENTIFIED:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE	
4. POLLUTION PREVENTION TEAM PROPERLY TRAINED:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE	
5. LIST OF POTENTIAL POLLUTANT SOURCES:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE	
6. LIST OF POTENTIAL SOURCES AND PAST SPILLS AND LEAKS:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE	
7. ALL NON-STORM WATER DISCHARGES ARE AUTHORIZED:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE	
8. LIST OF STRUCTURAL BMPS:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE	
9. LIST OF NON-STRUCTURAL BMPS:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE	
10. BMPS PROPERLY OPERATED AND MAINTAINED:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE	
11. INSPECTIONS CONDUCTED AS REQUIRED:						<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE	

FLOW CALCULATION SHEET

Date: **6/13/2023** Time: **10:32**

Head in Inches: **8.75** Feet: **0.729**

Type & Size of Primary Flow Measurement Device: **18" Parshall Flume**

Name & Model of Secondary Flow Measurement Device: **ISCO 3010**

Date of last Calibration of Secondary Flow Device: **3/21/2023**

Recorded Flow at Date & Time Listed Above: **2.340** (Facility Flow Meter)

Calculated Flow at Date & Time Listed Above: **2.390**

(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 =	2.340	-	2.390	X 100
	2.390			

% Error =	0.05	X 100
	2.390	

% Error =	.0209	X 100
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% Error =	2.09	%
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Comments:

DMR Calculation Check

Reporting Period: From 2022 02 01 To 2022 02 28
Year Month Day Year Month Day

Parameter Checked: CBOD5

	Loading Mass Mo. Avg. - lbs/day	Concentration Monthly Mo. Avg. - mg/l	7-day Avg. - mg/l
Reported Value:	<u>45.2</u>	<u>2.0</u>	<u>2.0</u>
Calculated Value:	<u>45.2</u>	<u>2.0</u>	<u>2.0</u>
Permit Value:	<u>333.6</u>	<u>10</u>	<u>15</u>

If calculated value does not equal reported value, explain:

DMR Calculation Check

Reporting Period: From 2022 11 01 To 2022 11 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>67.7</u>	<u>2.9</u>	<u>4.2</u>
Calculated Value:	<u>67.7</u>	<u>2.9</u>	<u>4.2</u>
Permit Value:	<u>500</u>	<u>15</u>	<u>22.5</u>

If calculated value does not equal reported value, explain:

Office of Water Quality Photographic Evidence Sheet

Location:	City of Bentonville			
Photographer:	William Cody	Date:	6/13/2023	
Witness:	Chris Earl, Matt Webster, Kerri McCabe		Time:	09:43
			Photo #:	1
Description:	Automatic bar screen.			



Photographer:	William Cody	Date:	6/13/2023	Time:	09:53
Witness:	Chris Earl, Matt Webster, Kerri McCabe			Photo #:	2
Description:	Example of one of four fermentation cells before the oxidation ditches.				



Office of Water Quality Photographic Evidence Sheet

Location:	City of Bentonville			
Photographer:	William Cody	Date:	6/13/2023	
Witness:	Chris Earl, Matt Webster, Kerri McCabe		Time:	10:00
			Photo #:	3
Description:	Oxidation Ditch #1.			



Photographer:	William Cody	Date:	6/13/2023	Time:	09:59
Witness:	Chris Earl, Matt Webster, Kerri McCabe			Photo #:	4
Description:	Oxidation Ditch #2.				



Office of Water Quality Photographic Evidence Sheet

Location:	City of Bentonville			
Photographer:	William Cody	Date:	6/13/2023	
Witness:	Chris Earl, Matt Webster, Kerri McCabe		Time:	09:56
			Photo #:	5
Description:	Anoxic cells receive wastewater after Oxidation Ditch #2.			



Photographer:	William Cody	Date:	6/13/2023	Time:	10:05
Witness:	Chris Earl, Matt Webster, Kerri McCabe			Photo #:	6
Description:	Treatment process in Oxidation Ditch #2.				



Office of Water Quality Photographic Evidence Sheet

Location:	City of Bentonville			
Photographer:	William Cody	Date:	6/13/2023	
Witness:	Chris Earl, Matt Webster, Kerri McCabe		Time:	10:07
			Photo #:	7
Description:	Weir from oxidation ditch to splitter box for clarifiers.			



Photographer:	William Cody	Date:	6/13/2023	Time:	10:09
Witness:	Chris Earl, Matt Webster, Kerri McCabe			Photo #:	8
Description:	One of two clarifiers.				



Office of Water Quality Photographic Evidence Sheet

Location:	City of Bentonville			
Photographer:	William Cody	Date:	6/13/2023	
Witness:	Chris Earl, Matt Webster, Kerri McCabe		Time:	10:09
			Photo #:	9
Description:	Coated concrete at the clarifier.			



Photographer:	William Cody	Date:	6/13/2023	Time:	10:19
Witness:	Chris Earl, Matt Webster, Kerri McCabe			Photo #:	10
Description:	UV disinfection and post-aeration area.				



Office of Water Quality Photographic Evidence Sheet

Location:	City of Bentonville				
Photographer:	William Cody	Date:	6/13/2023	Time:	10:29
Witness:	Chris Earl, Matt Webster, Kerri McCabe			Photo #:	11
Description:	18" Parshall Flume for effluent.				



Photographer:	William Cody	Date:	6/13/2023	Time:	10:22
Witness:	Chris Earl, Matt Webster, Kerri McCabe			Photo #:	12
Description:	Outfall 001 to Town Branch Creek.				



Office of Water Quality Photographic Evidence Sheet

Location:	City of Bentonville			
Photographer:	William Cody	Date:	6/13/2023	
Witness:	Chris Earl, Matt Webster, Kerri McCabe		Time:	10:31
			Photo #:	13
Description:	One of two thickeners for sludge. The thickeners have a depth of 8 ft.			



Photographer:	William Cody	Date:	6/13/2023	Time:	10:44
Witness:	Chris Earl, Matt Webster, Kerri McCabe			Photo #:	14
Description:	One of five digesters.				



Office of Water Quality Photographic Evidence Sheet

Location:	City of Bentonville		
Photographer:	William Cody	Date:	6/13/2023
Witness:	Chris Earl, Matt Webster, Kerri McCabe	Time:	10:49
Description:	Volute Dewatering Press – installed January 2019.		



Photographer:	William Cody	Date:	6/13/2023
Witness:	Chris Earl, Matt Webster, Kerri McCabe	Time:	10:51
Description:	Solids from the Volute Dewatering Press.		



Office of Water Quality Photographic Evidence Sheet

Location:	City of Bentonville				
Photographer:	William Cody	Date:	6/13/2023	Time:	10:39
Witness:	Chris Earl, Matt Webster, Kerri McCabe			Photo #:	17
Description:	Old drying beds now serve as solids storage.				



Attachment 1. Google Earth imagery for the City of Bentonville Wastewater Treatment Facility.

