



**DIVISION OF
ENVIRONMENTAL
QUALITY**

Sarah Huckabee Sanders
GOVERNOR

Shane E. Khoury
SECRETARY

October 17, 2024

Tracy Brick, Mayor
City of Marion
P.O. Box 717
Marion, AR 72364
Email Address: tracy.brick@marionarkansas.org

RE: City of Marion WWTP Inspection- PDS# 131664 and 131665 (Crittenden Co.)
AFIN: 18-00110 Permit No.: AR0021971 & ARR000189

Dear Mayor Brick:

On August 22, 2024, I performed a Compliance Evaluation Inspection and Industrial Stormwater 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.

Please refer to the “Summary of Findings” section of the inspection report and provide a written response for each item that was noted. This response should be mailed to the attention of the Office of Water Quality Compliance Branch at the address below my signature or emailed to Water-Inspection-Report@adeq.state.ar.us. This response should contain documentation describing the course of action taken to correct each item noted. The corrective action(s) should be completed as soon as possible and the written response with all necessary documentation (i.e. photos) is due November 1, 2024.


If I can be of any assistance, please contact me at Sarah.Frasher@arkansas.gov or 870-935-7221 ext.-15.

Sincerely,

A handwritten signature in black ink, appearing to read "Sarah Frasher".

Sarah Frasher
Inspector, Office of Water Quality

Cc: Scott Marshall, Wastewater Superintendent, scott.marshall@marionarkansas.org

 <div style="margin-left: 20px;"> ENVIRONMENTAL QUALITY </div>	OFFICE OF WATER QUALITY INSPECTION REPORT				
	AFIN: 18-00110		PERMIT #: AR0021971		
	DATE: 8/22/2024				
	COUNTY: 18 Crittenden	PDS #: 131664	MEDIA: WN		
GPS LAT: 35.190278 LONG: -90.228333 LOCATION: Entrance					
FACILITY INFORMATION		INSPECTION INFORMATION			
NAME: City of Marion WWTP LOCATION: 5054 Hardin Road CITY: Marion		FACILITY TYPE: 1 - Municipal			
		INSPECTOR ID#: 112347 S - State			
		FACILITY EVALUATION RATING: 2 - Marginal			
		INSPECTION TYPE: Compliance Evaluation			
		DATE(S): 8/22/2024 ENTRY TIME: 11:00 EXIT TIME: 14:15 PERMIT EFFECTIVE DATE: 1/1/2024 PERMIT EXPIRATION DATE: 12/31/2038			
RESPONSIBLE OFFICIAL					
NAME / TITLE: Tracy Brick / Mayor COMPANY: City of Marion MAILING ADDRESS: P.O. Box 717 CITY, STATE, ZIP: Marion AR 72364 PHONE & EXT: / FAX: / EMAIL: tracy.brick@marionarkansas.org CONTACTED DURING INSPECTION: No		FAYETTEVILLE SHALE RELATED: N			
		FAYETTEVILLE SHALE VIOLATIONS: N			
		INSPECTION PARTICIPANTS			
		NAME/TITLE/PHONE/FAX/EMAIL/ETC.: Scott Marshall/ Water & Wastewater Superintendent			
AREA EVALUATIONS (S=Satisfactory, M=Marginal, U=Unsatisfactory, N=Not Applicable/Evaluated)					
S	PERMIT	S	FLOW MEASUREMENT	N	STORMWATER
M	RECORDS/REPORTS	S	LABORATORY	M	FACILITY SITE REVIEW
M	OPERATION & MAINTENANCE	N	EFFLUENT/RECEIVING WATER	M	SELF-MONITORING PROGRAM
S	SAMPLING	N	SLUDGE HANDLING/DISPOSAL	N	PRETREATMENT
N	OTHER:				

SUMMARY OF FINDINGS

The following violations were noted at the time of the inspection:

1. Improper Operation and Maintenance in violation of Part III, Section, B.1.a of the permit:
 - a. High vegetation was observed around the lagoon levees (Photos 2-6)
 - b. Duckweed accumulations were observed in the chlorine contact chamber (Photos 9-11).
 - c. The sump pump for the grab sample sink is no longer operational.
 - d. The chlorine pump is not working effectively due to the possibility of being installed incorrectly.
 - e. The facility is not maintaining an appropriate amount of freeboard in the lagoon. This is also in violation of Item 93.4 of 10 States Standards, in which the minimum freeboard requirement is 3 feet.
2. The facility is reporting Fecal Coliform Bacteria (FCB) in decimals instead of whole numbers. Corrected DMRs should be submitted as applicable. Please see the attached DMR Calculation Check for details.
3. The facility inaccurately calculated the 7-day average for BOD for the September 2023 DMR. The facility reported a 106 mg/L instead of 76 mg/L. Please ensure other calculations are reported correctly and submit corrected DMRs as applicable. Please see the attached DMR Calculation Check for details.

GENERAL COMMENTS

A CAO was drafted by Office of Water Quality Enforcement Branch on March 4, 2024. As part of the order, the operator sends quarterly updates including BOD percent removal and WET Testing results to DEQ.

The operator monitors the freeboard in the lagoons and discharges prior to rain in the forecast to allow them to maintain a higher water level.

An Audit Request Letter was given to the Operator, Scott Marshall, in which laboratory records will be sent and evaluated. The following parameters are performed by the facility: pH, DO, and TRC.

This inspection was performed in conjunction with a No-Exposure Industrial Stormwater Inspection for ARR000189. Please view PDS 131665 for details.

INSPECTOR'S SIGNATURE:



Sarah Frasher

DATE: **09/19/2024**

SUPERVISOR'S SIGNATURE:



Brent L. Walker

DATE: **10/15/2024**

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: Whole numbers not used for reporting of FCB. 7-day average BOD for September 2023 was miscalculated.

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: Duckweed observed in the chlorine contact chamber. High vegetation observed inside lagoon levees.

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	<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 checked="" type="checkbox"/> Y <input type="checkbox"/> N <input 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: <u>Yes</u> TYPE OF DEVICE: <u>Badger Meter M-Series M2000</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 type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
4. CALIBRATION FREQUENCY ADEQUATE:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
5. RECORDS MAINTAINED OF CALIBRATION PROCEDURES:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
6. CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
7. FLOW ENTERING DEVICE WELL DISTRIBUTED ACROSS THE CHANNEL AND FREE OF TURBULENCE:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
8. FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGE OF FLOW RATES:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
9. HEAD MEASURED AT PROPER LOCATION:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
SECTION F: LABORATORY	
PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
DETAILS:	
1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(B) FOR SLUDGES) :	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED:	<input 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>Waypoint</u>	
b. LAB ADDRESS: <u>Memphis, AR</u>	
c. PARAMETERS PERFORMED: <u>BOD, TSS, FCB, NO3+NO2-N, WET Testing</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

SECTION G: EFFLUENT/RECEIVING WATER OBSERVATIONS							
BASED ON VISUAL OBSERVATIONS ONLY						<input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE	
DETAILS: <u>No discharge</u>							
OUTFALL #:	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOATING SOLIDS	COLOR	OTHER
001							--
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: <u>Sludge stays in the lagoon.</u>							
1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY:						<input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE	
2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503:						<input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input checked="" type="checkbox"/> NA <input 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 checked="" type="checkbox"/> NA <input type="checkbox"/> NE	
DETAILS: <u>See ARR000189 PDS 131665 for details.</u>							
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	

DMR Calculation Check

Reporting Period:	From	<u>2024</u>	<u>05</u>	<u>01</u>	To	<u>2024</u>	<u>05</u>	<u>31</u>
		Year	Month	Day		Year	Month	Day

Parameter Checked: FCB

	Loading Mass Mo. Avg. - lbs/day	Concentration Monthly Mo. Avg. - mg/l	7-day Avg. - mg/l
Reported Value:	N/A	269.25	73.13
Calculated Value:	N/A	269	73
Permit Value:	N/A	200	400

If calculated value does not equal reported value, explain:

DMR Calculation Check

Reporting Period:	From	<u>2023</u>	<u>09</u>	<u>01</u>	To	<u>2023</u>	<u>09</u>	<u>30</u>
		Year	Month	Day		Year	Month	Day

Parameter Checked: BOD



	Loading Mass	Concentration	
	Mo. Avg. - lbs/day	Mo. Avg. - mg/l	7-day Avg. - mg/l
Reported Value:	N/A	40	106
Calculated Value:	N/A	41	76
Permit Value:	N/A	30	45



If calculated value does not equal reported value, explain:



Differences due to not calculating the 7-day average correctly.





Figure 1. Google Earth image of the Marion WWTP with labels for the different areas of treatment.



Office of Water Quality Photographic Evidence Sheet			
Location:	City of Marion WWTP		
Photographer:	Sarah Frasher	Date:	8/22/2024
Time:	12:33		
Witness:	None		Photo #:
		1	
Description:	View of the influent to the wastewater plant.		
			
Photographer:	Sarah Frasher	Date:	8/2/2024
Time:	12:36		
Witness:	None		Photo #:
		2	
Description:	View of cell 1. Note the vegetation.		
			



Office of Water Quality Photographic Evidence Sheet			
Location:	City of Marion WWTP		
Photographer:	Sarah Frasher	Date:	8/22/2024
Time:	12:49	Photo #:	3
Witness:	None		
Description:	View of the aerator wheels in cell 1. Note the vegetation inside the lagoon levee.		
			
Photographer:	Sarah Frasher	Date:	8/22/2024
Time:	12:49	Photo #:	4
Witness:	None		
Description:	View of the curtains dividing cell 1.		
			

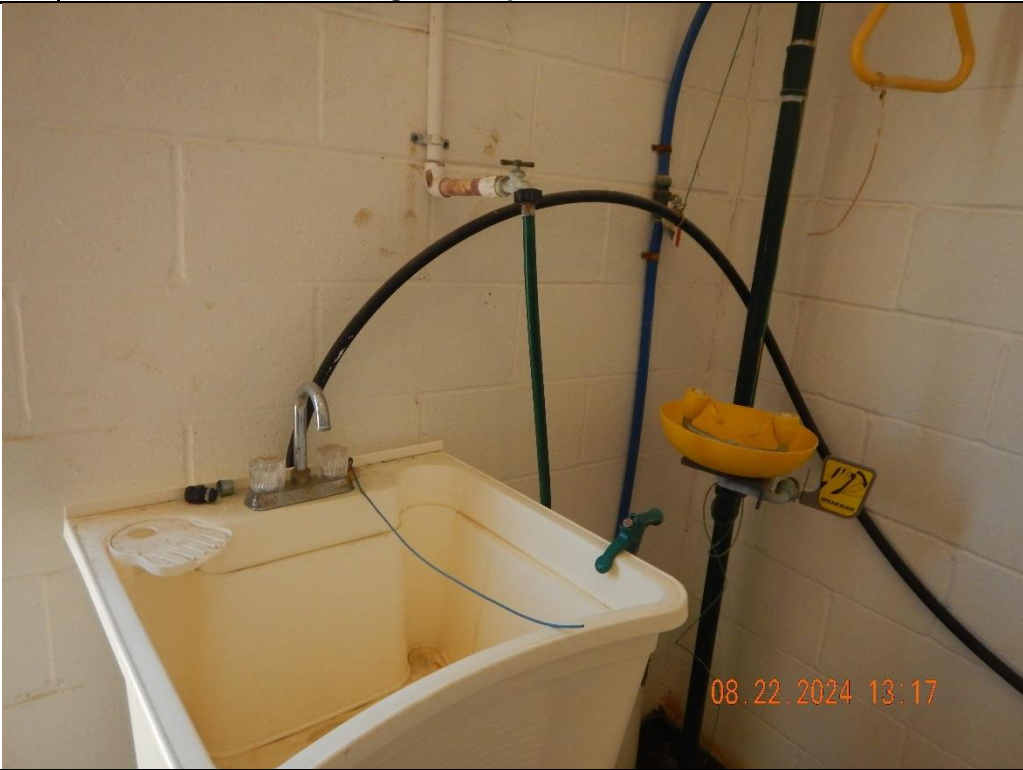

Office of Water Quality Photographic Evidence Sheet			
Location:	City of Marion WWTP		
Photographer:	Sarah Frasher	Date:	8/22/2024
Witness:	None	Time:	12:53
		Photo #:	5
Description:	View of cell 3. Note the vegetation.		
			
Photographer:	Sarah Frasher	Date:	8/22/2024
Witness:	None	Time:	13:00
		Photo #:	6
Description:	View of cell 4.		
			

Office of Water Quality Photographic Evidence Sheet			
Location:	City of Marion WWTP		
Photographer:	Sarah Frasher	Date:	8/22/2024
Witness:	None	Time:	13:06
		Photo #:	7
Description:	View of cell 4.		
			
Photographer:	Sarah Frasher	Date:	8/22/2024
Witness:	None	Time:	13:06
		Photo #:	8
Description:	View of the bar screen before the chlorine contact chamber.		
			

Office of Water Quality Photographic Evidence Sheet					
Location:	City of Marion WWTP				
Photographer:	Sarah Frasher	Date:	8/22/2024	Time:	13:06
Witness:	None			Photo #:	9
Description:	Overview of the chlorine contact chamber. Note the color of the water.				
					
Photographer:	Sarah Frasher	Date:	8/22/2024	Time:	13:04
Witness:	None			Photo #:	10
Description:	View of the inside of the chlorine contact chamber. Note the color and duckweed.				
					

Office of Water Quality Photographic Evidence Sheet			
Location:	City of Marion WWTP		
Photographer:	Sarah Frasher	Date:	8/22/2024
Time:	13:03	Photo #:	11
Witness:	None		
Description:	View of the duckweed in the chlorine contact chamber.		
			
Photographer:	Sarah Frasher	Date:	8/22/2024
Time:	13:15	Photo #:	12
Witness:	None		
Description:	View of the inside of the sampler.		
			

Office of Water Quality Photographic Evidence Sheet			
Location:	City of Marion WWTP		
Photographer:	Sarah Frasher	Date:	8/22/2024
Witness:	None	Time:	13:15
		Photo #:	13
Description:	View of the thermometer inside the sampler. Note the measurement as 5°C.		
			
Photographer:	Sarah Frasher	Date:	8/22/2024
Witness:	None	Time:	13:16
		Photo #:	14
Description:	View of the flowmeter. Note the zero measurement.		
			

Office of Water Quality Photographic Evidence Sheet			
Location:	City of Marion WWTP		
Photographer:	Sarah Frasher	Date:	8/22/2024
Witness:	None	Time:	13:17
		Photo #:	15
Description:	View of the sink used for grab samples.		
			
Photographer:	Sarah Frasher	Date:	8/22/2024
Witness:	None	Time:	13:21
		Photo #:	16
Description:	View of the chlorine gas bottles.		
			

Office of Water Quality Photographic Evidence Sheet

Location:	City of Marion WWTP		
Photographer:	Sarah Frasher	Date:	8/22/2024
Witness:	None	Time:	13:17
		Photo #:	17
Description:	View of the dechlorination equipment.		

