

September 14, 2021

Ken Johnson, General Manager Pine Bluff Wastewater Utility 1520 South Ohio Street Pine Bluff, AR 71601

RE: Boyd Point WWTF Inspection (Jefferson Co)

AFIN: 35-00149 NPDES Permit No.: AR0033316

Dear Mr. Johnson:

On June 30, 2021, I performed a Compliance Evaluation Inspection and an SSO/Collection System 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 each of the inspection reports is enclosed for your records.

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

If you need any assistance, please contact Inspector Supervisor Kerri McCabe at mccabe@adeq.state.ar.us or (501) 682-0642.

Sincerely,

Brittanie Gloyd

Breittanie Dlayd

Inspector, Office of Water Quality

5301 Northshore Drive, North Little Rock, AR, 72118



SAMPLING

OTHER:

ENVIRONMENTAL QUALITY

OFFICE OF WATER QUALITY INSPECTION REPORT

AFIN: **35-00149** PERMIT #: **AR0033316** DATE: **6/30/2021**

COUNTY: **35 Jefferson** PDS #: **117423** MEDIA: **WN**

GPS LAT: 34.271515 LONG: -91.972417 LOCATION: Entrance

	FACILITY INFORMAT	ION		INSPECTION INFORMATION				
BO:	yd Point WWTF		FACILITY TYPE: INSPECTOR ID#: 129177 S - State					
) Island Harbor Marina Road	FACILITY EVALUATION RATING: INSPECTION TYPE: 3 - Satisfactory Compliance Ev			DIIANCE Evaluation			
Pin	e Bluff			(-)	RY TIME:		T TIME: 1:30	PERMIT EFFECTIVE DATE:
	RESPONSIBLE OFFIC	CIAL	-	0,00,2021		•		7/1/2015 PERMIT EXPIRATION DATE:
	: / TITLE n Johnson / General Manager							6/30/2020
COMP	PANY:			FAYETTEVILLE	SHAL	E RE	LATED:	N
	e Bluff Wastewater Utility			FAYETTEVILLE SHALE VIOLATIONS: N				
	20 South Ohio Street			INSPECTION PARTICIPANTS				
	STATE, ZIP: Le Bluff AR 71601			NAME/TITLE/PHONE/FAX/EMAIL/ETC: Vincent Miles / Class IV Operator Lic # 2519				
PHON	E & EXT: / FAX:			Kerri McCabe / OWQ Inspector Supervisor				
870)-535-6603 /			Trey Butler / OWQ Inspector				
EWAIL	-			Aaron Baggett /	OWQ	Insp	ector	
CO	NTACTED DURING INSPECTION	No						
			ALUATIONS					
s	PERMIT (s=s	tisfactory, N=Not Applicable/Evaluated) REMENT S STORMWATER			TFR			
S	RECORDS/REPORTS	X LIVI LIVI	S			ITE REVIEW		
S	OPERATION & MAINTENANCE	S	EFFLUENT/REG	CEIVING WATER	S			ITORING PROGRAM

SLUDGE HANDLING/DISPOSAL

SUMMARY OF FINDINGS
No violations were noted at the time of inspection.

PRETREATMENT

GENERAL COMMENTS

On June 30, 2021, an inspection was conducted with the participants listed above. A site assessment and record review were conducted at the time of inspection.

Record Review:

The facility analyzes their sampling. They monitor flow in accordance with the permit requirements. I reviewed their June 2020 records for Total Suspended Solids (TSS). The sample concentrations were reported correctly, showing only rounding differences. The facility is sampling more often than required by the permit, but they are including all the data and information in the reported numbers. The Chains of Custody (COC) were reviewed at the facility and they had the appropriate information and data included on them. Flow is recorded daily at the facility to meet the requirement for once/day frequency.

Site Assessment:

The wastewater treatment plant (WWTP) consists of a series of ponds. Influent comes into the north aeration pond and south aeration pond to initiate treatment. These ponds are approximately 14 feet deep and 20 acres in land space each. The north aeration pond directs water to the north primary pond, while the south aeration pond directs water to the south primary pond. Both the north and south primary ponds are directed into polishing pond #1, thence into polishing pond #2. After polishing pond #2, the wastewater is pumped into the chlorine contact chamber. Mr. Miles stated that they use approximately 20 pounds of chlorine per day. The facility uses a 24" Parshall flume and a 3010 Ultrasonic Flow Meter for flow measurement. The facility was experiencing an algae bloom at the time of inspection. Mr. Miles stated that he was going to be ceasing discharge at the end of the day as his TSS numbers had been elevated due to the algae bloom. He was going to stop discharging to ensure his TSS average for the month of July would not exceed the discharge limitation.

Please note that the facility was inspected on July 17, 2019, but a report was not finalized. This report resolves any issues noted during the 2019 inspection.

Breittanie Dlayd	
INSPECTOR'S SIGNATURE: Brittanie Gloyd	DATE: 8/23/2021
Kerri Mª Coly	
SUPERVISOR'S SIGNATURE:Kerri McCabe	DATE: 9/13/2021

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: Facility was experiencing an algae bloom in the treatment ponds.	
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: Vincent Miles (Lic # 2519)	Øs □m □u □na □ne
7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED:	ØS □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:	Øy □n □na □ne
11. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR:	□y Øn □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

SE	ECTION D: SAMPLING	
PI	ERMITTEE SAMPLING MEETS PERMIT REQUIREMENTS	☑S □M □U □NA □NE
DI	ETAILS:	
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
á	a. SAMPLES REFRIGERATED DURING COMPOSITING:	☑Y □N □NA □NE
ŀ	D. PROPER PRESERVATION TECHNIQUES USED:	☑Y □N □NA □NE
(:. 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
SE	ECTION E: FLOW MEASUREMENT	
PI	ERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS	☑S □M □U □NA □NE
DI	ETAILS:	
1.	PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED: Y TYPE OF DEVICE: 24" Parshall	Flume 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: 3010 Ultrasc	nic flow ☑Y □N □NA □NE
4.	meter. 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
SE	ECTION F: LABORATORY	
PI	ERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS	☑S □M □U □NA □NE
DI	ETAILS:	
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 ØN □NA □NE
á	a. LAB NAME:	
ŀ	D. LAB ADDRESS:	
(:. PARAMETERS PERFORMED:	
8.	BIOMONITORING PROCEDURES ADEQUATE:	□y □n □na ☑ne
á	a. PROPER ORGANISMS USED:	□Y □N □NA ☑NE
ŀ	D. PROPER DILUTION SERIES FOLLOWED:	□Y □N □NA ☑NE
(2. PROPER TEST METHODS AND DURATION:	□Y □N □NA ☑NE
-	I. RETESTS AND/OR TRE PERFORMED AS REQUIRED:	□Y □N □NA ☑NE

SECTION O	B: EFFLUENT/R	•			73, 1 Cillin #. Alto	000010							
	N VISUAL OBS			ATIONO			U DNA DNE						
	DETAILS: Outfall was discharging at the time of inspection. Facility is experiencing an algae bloom at the time of												
inspection.		onarging at the	timo or mopoor	ilom r domey lo	oxpononing and	iligao bioom at	<u> </u>						
OUTFALL #:	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOATING SOLIDS	COLOR	OTHER						
001	None	None	None	None	None	green							
SECTION H: SLUDGE DISPOSAL													
SLUDGE [DISPOSAL MEI	ETS PERMIT F	REQUIREMEN ^T	TS		⊠s □m □	U DNA DNE						
DETAILS:					· · · · · · · · · · · · · · · · · · ·								
1. SLUDGE M	MANAGEMENT ADEQU	ATE TO MAINTAIN EF	FLUENT QUALITY:			⊠s □м	□U □NA □NE						
2. SLUDGE R	ECORDS MAINTAINED	O AS REQUIRED BY 40	O CFR 503:			□s □м	□u ☑na □ne						
3. FOR LAND	APPLIED SLUDGE, T	YPE OF LAND APPLIE	D TO: (E.G., FOREST,	AGRICULTURAL, PUI	BLIC CONTACT SITE):								
SECTION I	SAMPLING IN	SPECTION PRO	CEDURES										
SAMPLE F	RESULTS WITH	HIN PERMIT R	EQUIREMENT	S			U ⊠NA □NE						
DETAILS:													
1. SAMPLES	OBTAINED THIS INSP	ECTION:				□Y	□n ☑na □ne						
2. TYPE OF S	SAMPLE: GRAB:	□COMPOSITE: N	METHOD: FREQUE	NCY:									
3. SAMPLES	PRESERVED:					□Y	□n ☑na □ne						
4. FLOW PRO	OPORTIONED SAMPLE	S OBTAINED:				□Y	□n ☑na □ne						
5. SAMPLE C	BTAINED FROM FACI	LITY'S SAMPLING DE\	/ICE:			□Y	□n ☑na □ne						
6. SAMPLE R	EPRESENTATIVE OF	VOLUME AND NATUR	E OF DISCHARGE:			□Y	□n ☑na □ne						
7. SAMPLE S	PLIT WITH PERMITTE	E:				□Y	□n ☑na □ne						
8. CHAIN-OF	-CUSTODY PROCEDU	RES EMPLOYED:				□Y	□n ☑na □ne						
9. SAMPLES	COLLECTED IN ACCO	RDANCE WITH PERM	IT:			□Y	□n ☑na □ne						
SECTION J	: STORM WAT	ER POLLUTION	PREVENTION	PLAN									
STORM W	ATER MANAG	EMENT MEET	S PERMIT RE	QUIREMENTS	3		U ⊠NA □NE						
DETAILS:													
1. SWPPP UP	PDATED AS NEEDED:	_ DATE OF LAST UP	DATE:			□Y	□n ☑na □ne						
2. SITE MAP	INCLUDING ALL DISCH	HARGES AND SURFA	CE WATERS:			□Y	□N ☑NA □NE						
3. POLLUTIO	N PREVENTION TEAM	I IDENTIFIED:				□Y	□N ☑NA □NE						
4. POLLUTIO	N PREVENTION TEAM	I PROPERLY TRAINED):			□Y	□N ☑NA □NE						
5. LIST OF PO	LIST OF POTENTIAL POLLUTANT SOURCES:												
6. LIST OF PO	OTENTIAL SOURCES A	AND PAST SPILLS ANI	D LEAKS:			□Y	□n ☑na □ne						
7. ALL NON-S	STORM WATER DISCH	IARGES ARE AUTHOR	IZED:				□N ☑NA □NE						
8. LIST OF S	TRUCTURAL BMPS:						□N ☑NA □NE						
9. LIST OF N	ON-STRUCTURAL BMF	PS:				□Y	□N ☑NA □NE						
10. BMPS PRO	PERLY OPERATED A	ND MAINTAINED:					□n ☑na □ne						
11. INSPECTION	ONS CONDUCTED AS	REQUIRED:				□Y	□n ☑na □ne						
1													

DMR Calculation Check

Reporting Period:	From	2020	June	01	_ To	2020	June	30
		Year	Month	Day		Year	Month	Day
Parameter Checked:		TSS	_					
		Loading				Concer	ntration	
	Mass			mg/l				
	Mo.	Avg Ibs/	day	Mon	thly A	vg	Weekly	Max
Reported Value:		N/A			33		45	
Calculated Value:		N/A		31.98333		3	45	
Permit Value:		N/A			90.0		135	.0

If calculated value does not equal reported value, explain: Values are the same. Rounding differences.

Office of Water Quality Photographic Evidence Sheet											
Location:	Location: Boyd Point WWTF										
Photograp	Photographer: Brittanie Gloyd			06/30/2021	Time:	09:57					
Witness:	Nitness: Kerri McCabe; Trey Butler; Aaron Baggett Photo #: 1										
Description	n. (verview of the North Aeratio	n Pond.								



 Photographer:
 Brittanie Gloyd
 Date:
 06/30/2021
 Time:
 09:57

 Witness:
 Kerri McCabe; Trey Butler; Aaron Baggett
 Photo #:
 2

 Description:
 Overview of the North Aeration Pond.



Office of Water Quality Photographic Evidence Sheet Location: Boyd Point WWTF Photographer: Brittanie Gloyd Date: 06/30/2021 Time: 10:09 Witness: Kerri McCabe; Trey Butler; Aaron Baggett Photo #: 3 Description: Overview of the South Aeration Pond.



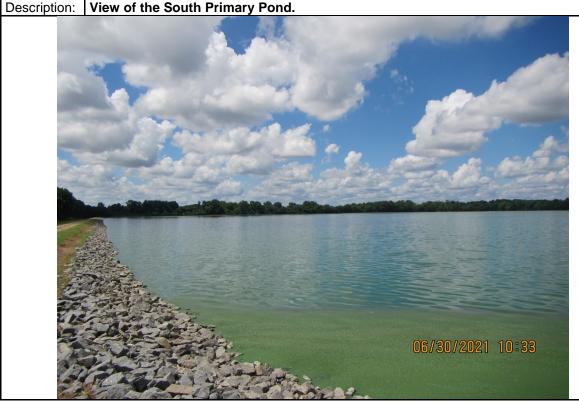
Photogra	pher:	Brittanie Gloyd	Date:	06/30/2021	Time:	10:09
Witness:	Kerri	i McCabe; Trey Butler; Aaron Baggett			Photo #	: 4
Description	n. (Overview of the South Aeration Pond		_		



Office of Water Quality Photographic Evidence Sheet Location: Boyd Point WWTF Photographer: Brittanie Gloyd Date: 06/30/2021 Time: 10:14 Witness: Kerri McCabe; Trey Butler; Aaron Baggett Photo #: 5 Description: View of the blowers.



ľ	Photograp	oher:	Brittanie Gloyd	Date:	06/30/2021	Time:	10:33	
	Witness:	Witness: Kerri McCabe; Trey Butler; Aaron Baggett					: 6	
Г	Description William (4) Court Britain Bond							



Cocation: Boyd Point WWTF Photographer: Brittanie Gloyd Date: 06/30/2021 Time: 09:57 Witness: Kerri McCabe; Trey Butler; Aaron Baggett Photo #: 7 Description: View of the North Primary Pond.



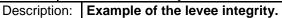
Photographer:Brittanie GloydDate:06/30/2021Time:10:24Witness:Kerri McCabe; Trey Butler; Aaron BaggettPhoto #:8



Cocation: Boyd Point WWTF Photographer: Brittanie Gloyd Date: 06/30/2021 Time: 10:34 Witness: Kerri McCabe; Trey Butler; Aaron Baggett Photo #: 9 Description: Overview of Polishing Pond #1.



Photographer:Brittanie GloydDate:06/30/2021Time:10:34Witness:Kerri McCabe; Trey Butler; Aaron BaggettPhoto #:10





Cocation: Boyd Point WWTF Photographer: Brittanie Gloyd Date: 06/30/2021 Time: 11:00 Witness: Kerri McCabe; Trey Butler; Aaron Baggett Photo#: 00/201 Description: Overview of Polishing Pond #2.

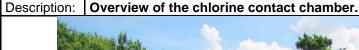


Photogra	oher:	Brittanie Gloyd	Date:	06/30/2021	Time:	11:00		
Witness:	Witness: Kerri McCabe; Trey Butler; Aaron Baggett				Photo #	: 12		





ĺ	Photograp	pher:	Brittanie	e Gloyd		Date:	06/30/2021	Time:	10:50
	Witness: Kerri McCabe; Trey Butler; Aaron Baggett						Photo #	: 14	
Г						-			





Inspection Report: Boyd Point WWTF, AFIN: 35-00149, Permit #: AR0033316

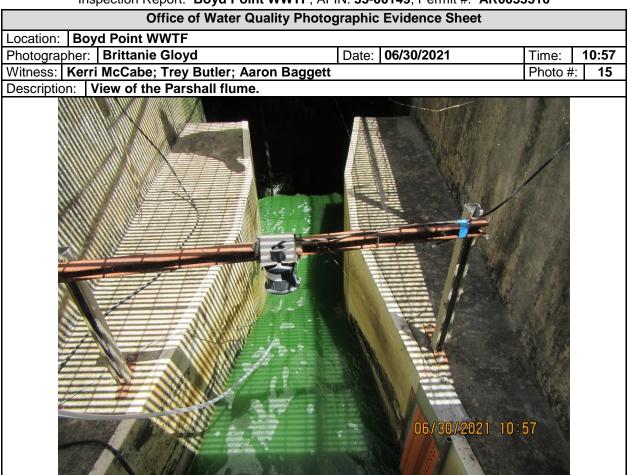


Figure 1. Google Earth aerial imagery showing the components of the facility.

