

May 3, 2023

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

Email Address: ken@pbwastewater.com; vincent@pbwastewater.com

RE: Boyd Point WWTF Inspection

AFIN: 35-00149 Permit No.: AR0033316

Dear Mr. Johnson:

On February 23, 2023, I performed a Compliance Evaluation Inspection (CEI) 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 michael.young@adeq.state.ar.us or 501-837-2073.

Sincerely,

Michael Young

Inspector Supervisor, Office of Water Quality

5301 Northshore Drive, North Little Rock, AR, 72118



S RECORDS/REPORTS

SAMPLING

S OPERATION & MAINTENANCE

ENVIRONMENTAL QUALITY

OFFICE OF WATER QUALITY INSPECTION REPORT

AFIN: **35-00149** PERMIT #: **AR0033316** DATE: **2/23/2023**

COUNTY: **35 Jefferson** PDS #: **125648** MEDIA: **WN**

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FACILITY SITE REVIEW

PRETREATMENT

SELF-MONITORING PROGRAM

GPS LAT: 34.271515 LONG: -91.972417 LOCATION: Entrance

FACILITY INFORMATION	INSPECTION INFORMATION				
NAME: Boyd Point WWTF LOCATION:	FACILITY TYPE: 1 - Municipal	1015	OR ID#:	State	
900 Island Harbor Marina Road	FACILITY EVALUATION RATING: 5 - Satisfactory				oliance Evaluation
Pine Bluff, AR		RY TIME:	EXIT T		PERMIT EFFECTIVE DATE: 10/1/2021
RESPONSIBLE OFFICIAL					PERMIT EXPIRATION DATE:
NAME: / TITLE Ken Johnson / General Manager					9/30/2026
COMPANY:	FAYETTEVILLE SHALE RELATED: N				
Pine Bluff Wastewater Utility MAILING ADDRESS:	FAYETTEVILLE SHALE VIOLATIONS: N				
1520 South Ohio Street	INSPECTION PARTICIPANTS				
CITY, STATE, ZIP: Pine Bluff AR 71601	NAME/TITLE/PHONE/FAX/EMAIL/ETC.: Vincent Miles/ECD Supervisor (Lic.				
PHONE & EXT: / FAX:	#002519)/vincen				com
870-535-6603 / EMAIL:	Robert Diaz/OW	Q Ins	pector	•	
ken@pbwastewater.com					
CONTACTED DURING INSPECTION: No					
· · · · · · · · · · · · · · · · · · ·	AREA EVALUATIONS (S=Satisfactory, M=Marginal, U=Unsatisfactory, N=Not Applicable/Evaluated)				
S PERMIT S FLOW MEASUR		S		RMWA	TER

** OTHER:
SUMMARY OF FINDINGS
No violations observed at the time of inspection

SLUDGE HANDLING/DISPOSAL

S EFFLUENT/RECEIVING WATER

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LABORATORY

GENERAL COMMENTS

On February 22, 2023 I performed a Compliance Evaluation Inspection (CEI) at Boyd Point Wastewater Treatment Facility (WWTF) in Pine Bluff, AR with the above participants in attendance. Boyd Point WWTF has a treatment design of two (2) aerated lagoons operated in parallel followed by two (2) primary ponds also operated in parallel. Following the primary ponds are two (2) polishing ponds in series and disinfection using chlorine (see Figure 1). This inspection consisted of a site evaluation and records review.

Site Evaluation:

Our inspection started by driving to where the influent enters the aerated lagoons and I observed a small building where influent samples are collected for internal quality control (see photo 1) and at the aerated lagoons I observe that all the equipment was under a covered area (see photos 2-3). At the time of inspection maintenance was being performed on the blower motors so aeration in the basins was not operating (see photos (4-5). After viewing the building for the blowers we went to the south edge of the treatment facility and I observed another collection point for post-aerated samples (see photo 6) and the aeration basin had started to accumulate some standing foam (see photos 7-8). I did not observe any issues with the primary ponds or the polishing ponds (see photo 9). Following the polishing pond the water is routed (see photo 10 to a chlorine contact chamber for disinfection (see photo 11). A large chlorine contact chamber allowed for adequate disinfection time (see photos 12-14). Post-aeration follows the chlorine contact chamber when the discharge falls into the Parshall Flume (see photo 15) and there is a totalizer mounted to measure the flow immediately prior to the sampling location (see photo 16). Flow checks are performed daily on the totalizer (see photo 17) and I observed the totalizer to be recently calibrated and in good working condition (see photo 18). A composite sampler that collects individual aliquots was in good condition and the refridgeration kept the temperature within 0-6° Celsius (see photo 9). There were no issues observed with the treatment system at the time of inspection.

Records Review:

At the time of inspection I requested records to be e-mailed. I was provided with November 2022 sampling information and flow records. I did not find any discrepencies with the analysis or discharge monitoring report (DMR) entries. Boyd Point WWTF uses an internal lab to analyze all samples and reporting is done by the staff. There were no issues with the analysis or entry of information.

Miller	
INSPECTOR'S SIGNATURE: Michael Young	DATE: 04/05/2023
Jan Redeling	
SUPERVISOR'S SIGNATURE: Jason Bolenbaugh	DATE: 5/2/2023

SECTION A: PERMIT VERIFICATION	
PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS	⊠S □M □U □NA □NE
DETAILS:	
1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE:	MY □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:	Øy □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:	ØS OM OU ONA ONE
3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED:	☑S ☐M ☐U ☐NA ☐NE
4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE:	ØS OM OU ONA ONE
5. ALL NEEDED TREATMENT UNITS IN SERVICE:	☑S ☐M ☐U ☐NA ☐NE
6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED:	ØS □M □U □NA □NE
7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED:	
8. OPERATION AND MAINTENANCE MANUAL AVAILABLE:	MY ON ONA ONE
9. STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED:	✓Y □N □NA □NE
10. PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED:	MY ON ONA ONE
11. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR:	OY ØN ONA ONE
12. IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED:	OY ON MA ONE
13. HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS:	OY ON MA ONE
14. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT:	OY MN ONA ONE
15. IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT:	□Y □N ☑NA □NE

SE	CTION D: SAMPLING	
PE	ERMITTEE SAMPLING MEETS PERMIT REQUIREMENTS	☑S □M □U □NA □NE
DE	TAILS:	
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:	Øy □n □na □ne
а	. SAMPLES REFRIGERATED DURING COMPOSITING:	☑Y □N □NA □NE
b	. PROPER PRESERVATION TECHNIQUES USED:	☑Y □N □NA □NE
С	. 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	CTION E: FLOW MEASUREMENT	
PE	ERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS	☑S □M □U □NA □NE
DE	ETAILS:	
1.	PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED: TYPE OF DEVICE: 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: Totalizer	☑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
SE	CTION F: LABORATORY	
PE	RMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS	☑S □M □U □NA □NE
DE	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 ☑n □na □ne
а	. LAB NAME:	
b	. LAB ADDRESS:	
С	. PARAMETERS PERFORMED:	
8.	BIOMONITORING PROCEDURES ADEQUATE:	☑Y □N □NA □NE
а	. PROPER ORGANISMS USED:	✓Y □N □NA □NE
	. PROPER DILUTION SERIES FOLLOWED:	☑Y □N □NA □NE
С	. PROPER TEST METHODS AND DURATION:	✓Y □N □NA □NE
-	. RETESTS AND/OR TRE PERFORMED AS REQUIRED:	✓Y □N □NA □NE
		

	·	•			149, Permit #: ARU	033316	
	G: EFFLUENT/F			ATIONS			
BASED OF	N VISUAL OBS	ERVATIONS (ONLY				U DNA DNE
DETAILS:							
OUTFALL #:	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOATING SOLIDS	COLOR	OTHER
001	N	N	N	N	N	Slight grey	
	•	1	•	-1	1	•	
SECTION H	H: SLUDGE DIS	POSAL					
SLUDGE [DISPOSAL ME	ETS PERMIT I	REQUIREMEN	ITS		ØS OM C	U DNA DNE
DETAILS:					<u> </u>		
1. SLUDGE N	MANAGEMENT ADEQU	JATE TO MAINTAIN EF	FLUENT QUALITY:			⊠s □m	□U □NA □NE
2. SLUDGE R	RECORDS MAINTAINE	D AS REQUIRED BY 4	0 CFR 503:			⊠s □m	□U □NA □NE
3. FOR LAND	APPLIED SLUDGE, T	YPE OF LAND APPLIE	ED TO: (E.G., FOREST	Γ, AGRICULTURAL, PU	BLIC CONTACT SITE):		
SECTION I	: SAMPLING IN	SPECTION PRO	OCEDURES				
SAMPLE F	RESULTS WITI	HIN PERMIT R	REQUIREMEN	TS			U ⊠NA □NE
DETAILS:					<u> </u>		
1. SAMPLES	OBTAINED THIS INSP	ECTION:				□Y	□n ☑na □ne
2. TYPE OF S	SAMPLE: GRAB:_	□COMPOSITE:	METHOD: FREQU	ENCY:			
3. SAMPLES	PRESERVED:					□Y	□N ØNA □NE
4. FLOW PRO	OPORTIONED SAMPLE	ES OBTAINED:				□Y	□N ØNA □NE
5. SAMPLE C	BTAINED FROM FACI	LITY'S SAMPLING DE	VICE:			□Y	□n Øna □ne
6. SAMPLE R	REPRESENTATIVE OF	VOLUME AND NATUR	RE OF DISCHARGE:			□Y	□n Øna □ne
7. SAMPLE S	PLIT WITH PERMITTE	E:				□Y	□n Øna □ne
8. CHAIN-OF	-CUSTODY PROCEDU	RES EMPLOYED:				□Y	□N ☑NA □NE
9. SAMPLES	COLLECTED IN ACCO	RDANCE WITH PERM	ΛΙΤ:			□Y	□n ☑na □ne
SECTION J	: STORM WAT	ER POLLUTION	N PREVENTION	PLAN			
STORM W	ATER MANAG	SEMENT MEET	rs permit re	EQUIREMENTS	8	□S □M □	U ⊠NA □NE
DETAILS:							
1. SWPPP UF	PDATED AS NEEDED:	DATE OF LAST UP	PDATE:			□Y	□n Øna □ne
2. SITE MAP	INCLUDING ALL DISC	HARGES AND SURFA	CE WATERS:			□Y	\square N \square NA \square NE
3. POLLUTIO	N PREVENTION TEAM	I IDENTIFIED:				□Y	□n Øna □ne
4. POLLUTIO	N PREVENTION TEAM	PROPERLY TRAINER	D:			□Y	□n Øna □ne
5. LIST OF PO	OTENTIAL POLLUTAN	T SOURCES:				□Y	□N ØNA □NE
6. LIST OF P	OTENTIAL SOURCES	AND PAST SPILLS AN	ID LEAKS:			□Y	□n ☑na □ne
7. ALL NON-S	STORM WATER DISCH	HARGES ARE AUTHOR	RIZED:			□Y	□n ☑na □ne
8. LIST OF S	TRUCTURAL BMPS:					□Y	□n ☑na □ne
9. LIST OF N	ON-STRUCTURAL BM	PS:				□Y	□n Øna □ne
10. BMPS PRO	OPERLY OPERATED A	ND MAINTAINED:				□Y	□N ☑NA □NE
11. INSPECTION	ONS CONDUCTED AS	REQUIRED:				□Y	□N ☑NA □NE
1							

DMR Calculation Check

Reporting Period:	From	2022	11	01	_ To	2022	11	30
		Year	Month	Day		Year	Month	Day
Parameter Checked:		TSS	_					
		Loading				Concer	itration	
		Mass				Mon	thly	
	Mo.	Avg Ibs/c	lay	Mo. A	vg r	ng/l	7-day Avç	g mg/l
Reported Value:		N/A			73.0		86.	0
Calculated Value:		N/A			73.0		86.	0
Permit Value:		N/A			90.0		135	.0

If calculated value does not equal reported value, explain:

Equal.

DMR Calculation Check

Reporting Period:	From	2022	11	01	То	2022	11	30
		Year	Month	Day		Year	Month	Day
Parameter Checked:		BOD	_					
		Loading				Concer		
		Mass				Mon	•	
	Mo.	Avg Ibs/d	day	Mo. A	vg 1	ng/l	7-day Avg	ı mg/l
Reported Value:		N/A			26.0		29.0	<u>) </u>
Calculated Value:		N/A			26.0		29.0	<u>)</u>
Permit Value:	_	N/A			30.0		45.0)
If calculated value do	es not e	equal repoi	rted value, e	xplain:				

Equal.

Office of Water Quality Photographic Evidence Sheet Location: Boyd Point WWTF Photographer: Michael Young Date: 02/23/2023 Time: 11:12 Witness: Robert Diaz Photo #: 1 Description: Influent sampling building for quality control.



Photographer: Michael Young	Date: 02/23/2023	Time:	11:18
Witness: Robert Diaz		Photo #:	2



Office of Water Quality Photographic Evidence Sheet						
Location: Bo	oyd Point WWTF					
Photographer	: Michael Young	Date:	02/23/2023	Time:	11:19	
Witness: Robert Diaz Photo #:						

Description: Blowers for aeration basins being maintained during inspection.



Photographer:Michael YoungDate:02/23/2023Time:11:21Witness:Robert DiazPhoto #:4



Office of Water Quality Photographic Evidence Sheet						
Location:	Boy	d Point WWTF				
Photograph	ner:	Michael Young	Date:	02/23/2023	Time:	11:22
Witness: F	Robe	rt Diaz			Photo #:	5

Description: Maintenance crews for the blowers.

Photographer: Michael Young	Date: 02/23/2023	Time:	11:30
Witness: Robert Diaz		Photo #:	6





Cocation: Boyd Point WWTF Photographer: Michael Young Witness: Robert Diaz Office of Water Quality Photographic Evidence Sheet Date: 02/23/2023 Time: 11:31 Photo #: 7



Photographer: Michael Young	Date: 02/23/2023	Time:	11:31
Witness: Robert Diaz		Photo #:	8

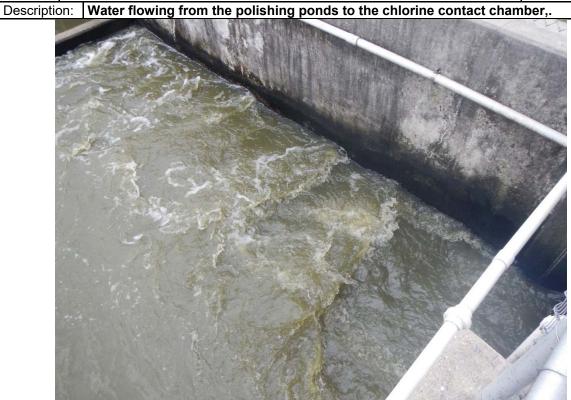
Description: Aeration basin with some materials and foam on top.



Office of Water Quality Photographic Evidence Sheet Location: Boyd Point WWTF Photographer: Michael Young Date: 02/23/2023 Time: 11:32 Witness: Robert Diaz Photo #: 9



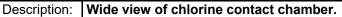
Photographer:Michael YoungDate:02/23/2023Time:11:37Witness:Robert DiazPhoto #:10



Office of Water Quality Photographic Evidence Sheet Location: Boyd Point WWTF Photographer: Michael Young Date: 02/23/2023 Time: 11:37 Witness: Robert Diaz Photo #: 11



Photographer: Michael Young Date: 02/23/2023 Time: 11:38
Witness: Robert Diaz Photo #: 12





Coation: Boyd Point WWTF Photographer: Michael Young Date: 02/23/2023 Time: 11:40 Witness: Robert Diaz Photographer: Note that the property of the property

Description: Chlorine contact chamber at Boyd Point WWTF.



Photographer:	Michael Young	Date: 02/23/2023	Time:	11:41
Witness: Robe	ert Diaz		Photo #	: 14

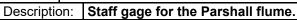
Description: Chlorine contact chamber with water being disinfected.



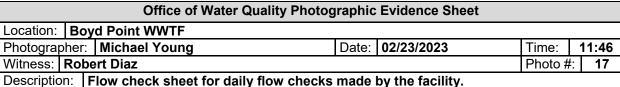
Office of Water Quality Photographic Evidence Sheet Location: Boyd Point WWTF Photographer: Michael Young Date: 02/23/2023 Time: 11:42 Witness: Robert Diaz Photo #: 15

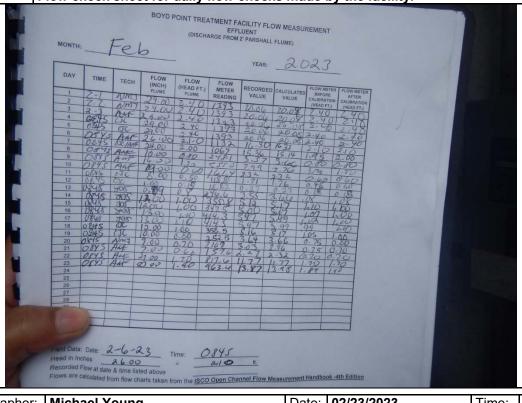


Photographer: Michael Young Date: 02/23/2023 Time: 11:44
Witness: Robert Diaz Photo #: 16









Photographer: Michael Young	Date: 02/23/2023	Time:	11:47
Witness: Robert Diaz		Photo #	[‡] : 18



Office of Water Quality Photographic Evidence Sheet						
Location: E	Зоу	d Point WWTF				
Photographe	er:	Michael Young	Date:	02/23/2023	Time:	11:48
Witness: Robert Diaz			Photo #	: 19		

Description: Carousel and aliquots for refrigerated composite sampler.



Photographer	:	Date:	Time:
Witness:			Photo #:
Description:			

Intentionally left blank.

Figure 1. Overview of the treatment design for the Boyd Point WWTF.

