

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

PUBLIC WATER

SYSTEM NAME: Webb County Water Utilities

PLANT NAME

OR NUMBER: Rio Bravo

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

PWS ID No.: 2400022

Plant ID No.: 20831

Operator's Signature: _____

Ruiz Lopez

Report for the Month of: November 2024

Certificate No. & Grade: WS0014096, B

Date: December 10, 2024

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	<u>129</u>	Number of 4-hour periods when plant was off-line:	<u>51</u>
Number of readings above 0.10 NTU:	<u>0</u>	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	<u>0</u>
Number of readings above 0.3 NTU:	<u>0</u>	Number of days when plant was on-line but individual filter turbidity data was not collected:	<u>0</u>
Number of readings above 0.5 NTU:	<u>0</u>	Number of days with readings above 1.0 NTU:	<u>0</u> (2)
Number of readings above 1.0 NTU:	<u>0</u>	Number of days with readings above 5.0 NTU:	<u>0</u> (3)
Maximum allowable turbidity level:	<u>0.3</u>		
Percentage of readings above this limit:	<u>0.0</u> % (1)		

Bin Class: <u>2</u>	Crypto Credit Required: <u>4.0</u> (7A)	Crypto Credit Achieved: <u>4.5</u> (7B)	Bin 3&4 Credits: <u>1.0</u> (7C)
Watershed Protection:	<u>0.0</u>	Conventional Treatment:	<u>3.0</u>
Bank Filtration:	<u>0.0</u>	Enhanced Filter Performance:	<u>0.5</u>
Presedimentation with Coagulation:	<u>0.0</u>	Bag and Cartridge Filtration:	<u>0.0</u>
Two-Stage Lime Softening:	<u>0.0</u>	Membrane Filtration:	<u>0.0</u>
		Second Stage Filtration:	<u>0.0</u>
		UV:	<u>1.0</u>
		Ozone, Chlorine Dioxide:	<u>0.0</u>
		Perform. Demonstration:	<u>0.0</u>

Number of days with low inactivation (including UV) for no more than 4.0 consecutive hours:	<u>0</u>	Average log inactivation (including UV) for Giardia:	<u>6.07</u>
Number of days with low inactivation (including UV) for more than 4.0 consecutive hours:	<u>0</u> (4)	Average log inactivation (including UV) for viruses:	<u>69.76</u>
		Number of days when profiling data was not collected:	<u>0</u>
		Number of days when CT data was not collected:	<u>0</u>

Minimum disinfectant residual required leaving the plant:	<u>0.5</u> mg/L, measured as Total Chlorine		
Number of days with a low residual for no more than 4.0 consecutive hours:	<u>0</u>	Minimum pH in the last disinfection zone:	<u>6.88</u>
Number of days with a low residual for more than 4.0 consecutive hours:	<u>0</u> (5)	Number of days with pH below 7.0 in the last disinfection zone:	<u>1.00</u>
		Number of days when disinfectant residual leaving the plant was not properly monitored:	<u>0</u>

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:	<u>0.5</u> mg/L, measured as Total Chlorine		
Total number of readings this month:	<u>42</u> (at least 30 required) (8)	Percentage of readings with a low residual this month:	<u>0.0</u> % (6A)
Average disinfectant residual value:	<u>2.20</u>	Percentage of readings with a low residual last month:	<u>0.0</u> % (6B)
Number of readings with a low residual:	<u>0</u>		
Number of readings with no detectable residual:	<u>0</u>		

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required: NONE Filter Profile Filter Assessment CPF

Additional report(s) for individual filter monitoring submitted: NONE Filter Profile (9) Filter Assessment (10) CPE (11)

No additional IFE Reports are required this month.

P.2-Turbidity Data	P.3-Filter Data	P.4&5-Disinfection Data	P.6-TOCMOR	P.7-TOC ACC
Alternate Technol.	UV-CDA	UV-Sensor Data	UV-UVT Analyzer	

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Statistical Summary	Maximum turbidity reading:	<u>5.06</u> NTU	Average turbidity value:	<u>1.23</u> NTU
	Minimum turbidity reading:	<u>0.16</u> NTU	Standard deviation:	<u>0.558</u> NTU
	95 th percentile value:	<u>1.77</u> NTU		
IFE Statistical Summary	Maximum IFE turbidity reading:	<u>0.12</u> NTU	Average IFE turbidity value:	<u>0.07</u> NTU
	Minimum IFE turbidity reading:	<u>0.06</u> NTU	Standard deviation:	<u>0.011</u> NTU
	95 th percentile IFE value:	<u>0.09</u> NTU		
CFE Statistical Summary	Maximum CFE turbidity reading:	<u>0.09</u> NTU	Average CFE turbidity value:	<u>0.06</u> NTU
	Minimum CFE turbidity reading:	<u>0.05</u> NTU	Standard deviation:	<u>0.007</u> NTU
	95 th percentile CFE value:	<u>0.07</u> NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Statistical Summary	Maximum pH reading:	<u>7.60</u> pH	Average pH value:	<u>7.28</u> pH
	Minimum pH reading:	<u>6.88</u> pH	Standard deviation:	<u>0.153</u> pH
	95 th percentile value:	<u>7.52</u> pH		

SURFACE WATER MONTHLY OPERATING REPORT
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
SURFACE WATER MONTHLY OPERATING REPORT

This copy of the SWMOR was customized for the Webb County Water Utilities Rio Bravo SWTP and includes numerous cross-references to imported data. The file format was reviewed and approved by the TCEQ on February 1, 2022.

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
Turbidity Data Page

PUBLIC WATER SYSTEM NAME: Webb County Water Utilities PLANT NAME OR NUMBER: Rio Bravo
 PWS ID No.: 2400022 Plant ID No.: 20831 Connections: 1,981
 Month: November Year: 2024 Population: 6,934

PERFORMANCE DATA																			
Date	Raw Water Pumpage (MGD)	Treated Water Pumpage (MGD)	RAW WATER ANALYSES		SETTLED WATER TURBIDITY (Optional Data)						FINISHED WATER QUALITY								
			NTU	Alk.	Basin No.						Combined Filter Effluent Turbidity						Lowest Residual	Time ^h	
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6			
1	0.846	0.782	34	100	0.5	0.2						X	X	0.07	0.07	0.05	0.05	3.2	
2	0.926	0.853	24	100	0.9	5.1						X	X	0.05	0.08	0.06	0.06	3.6	
3	0.977	0.875	30	100	0.8	1.1						X	X	0.07	0.07	0.06	0.07	3.0	
4	1.007	0.893	29	120	1.3	1.2						0.06	X	0.08	0.06	0.06	0.07	2.2	
5	0.915	0.889	43	120	1.4	1.8						X	X	0.05	0.07	0.07	0.06	2.2	
6	1.111	0.925	50	120	1.5	1.1						0.06	X	0.05	0.06	0.06	0.06	2.5	
7	1.031	0.971	60	120	1.1	1.1						X	0.06	0.06	0.06	0.06	0.06	2.5	
8	0.954	0.895	51	120	1.1	1.1						X	X	0.05	0.06	0.06	0.07	1.4	
9	0.916	0.805	56	120	1.1	1.1						X	X	0.08	0.06	0.06	0.07	2.8	
10	0.881	0.841	59	120	1.1	1.1						X	X	0.05	0.06	0.06	0.07	1.9	
11	0.941	0.869	74	120	1.1	1.1						X	X	0.06	0.06	0.06	0.07	2.5	
12	0.894	0.841	36	120	1.1	1.1						X	X	0.07	0.07	0.07	0.07	2.2	
13	0.908	0.878	35	120	1.1	1.1						X	X	0.07	0.06	0.06	0.07	2.9	
14	0.895	0.849	26	120	1.1	1.2						X	X	0.07	0.06	0.06	0.08	2.1	
15	0.938	0.877	31	120	1.1	1.2						X	X	0.07	0.06	0.06	0.08	1.7	
16	0.940	0.871	40	120	1.1	1.2						X	X	0.06	0.06	0.06	0.06	2.1	
17	0.957	0.924	45	120	1.1	1.2						X	X	0.06	0.06	0.06	0.07	1.8	
18	1.062	0.955	26	120	1.9	1.4						X	X	0.05	0.06	0.06	0.06	2.0	
19	0.993	0.924	31	120	1.1	1.2						0.09	X	0.07	0.07	0.07	0.07	1.2	
20	1.114	1.049	28	100	1.1	1.2						0.07	X	0.07	0.07	0.07	0.07	2.7	
21	1.101	0.951	42	100	1.1	1.2						0.07	X	0.07	0.07	0.07	0.07	1.7	
22	0.920	0.868	30	120	1.1	1.2						X	X	0.07	0.07	0.07	0.07	1.1	
23	1.100	0.933	34	120	1.1	1.2						0.07	X	0.07	0.07	0.07	0.07	1.6	
24	0.949	0.874	19	120	1.1	1.2						X	X	0.06	0.06	0.06	0.06	1.5	
25	0.984	0.894	29	120	1.1	1.2						X	0.07	0.06	0.06	0.06	0.06	1.2	
26	0.896	0.828	35	120	1.1	1.2						X	X	0.07	0.06	0.06	0.06	3.2	
27	0.871	0.842	33	120	1.2	1.8						X	X	0.06	0.06	0.06	0.06	2.3	
28	1.007	0.912	33	120	1.3	1.2						X	0.06	0.06	0.06	0.06	0.06	3.1	
29	0.827	0.773	32	120	1.5	1.2						X	X	0.06	0.06	0.06	0.06	2.9	
30	0.908	0.810	28	120	1.7	1.1						X	X	0.06	0.07	0.07	0.06	2.9	
31																			
Total	28.771	26.481			Max	1.9	5.1												
Avg	0.959	0.883			Avg	1.2	1.3												
Max	1.114	1.049			95th %	1.6	1.8												
Min	0.827	0.773			Min	0.5	0.2												
										NOTE: ONLY use the "Time" column to show the length of time that the disinfectant residual entering the distribution system fell below the acceptable level.									
										95th percentile based on data from all basins						1.8			

SUBMITTED BY: Luis G. Tapia Certificate No. and Grade: WS0014086, B Date: December 10, 2024

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)

Filter Data Page

PUBLIC WATER
SYSTEM NAME: Webb County Water Utilities
PWS ID No.: 240022 Plant ID No.: 20831

PLANT NAME
OR NUMBER: Rio Bravo
Month: November Year: 2024

PERFORMANCE DATA

Date	INDIVIDUAL FILTER TURBIDITY																				
	Filter No. 1		Filter No. 2		Filter No. 3		Filter No. 4		Filter No. 5		Filter No. 6		Filter No. 7		Filter No. 8		Filter No. 9		Filter No. 10		
	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	
1	0.09		0.07		0.08		0.11														
2	0.11		0.07		0.07		0.09														
3	0.09		0.07		0.08		0.09														
4	0.08		0.07		0.09		0.12														
5	0.08		0.07		0.07		0.08														
6	0.07		0.06		0.07		0.12														
7	0.07		0.06		0.06		0.07														
8	0.07		0.07		0.07		0.07														
9	0.06		0.07		0.08		0.08														
10	0.07		0.07		0.07		0.06														
11	0.07		0.07		0.07		0.08														
12	0.08		0.07		0.07		0.06														
13	0.07		0.07		0.07		0.06														
14	0.07		0.08		0.07		0.06														
15	0.07		0.09		0.08		0.10														
16	0.07		0.07		0.08		0.07														
17	0.07		0.07		0.07		0.06														
18	0.07		0.09		0.07		0.07														
19	0.09		0.09		0.07		0.07														
20	0.08		0.08		0.07		0.08														
21	0.08		0.09		0.08		0.08														
22	0.08		0.07		0.07		0.08														
23	0.09		0.07		0.06		0.07														
24	0.08		0.07		0.07		0.07														
25	0.07		0.07		0.06		0.08														
26	0.07		0.07		0.07		0.06														
27	0.07		0.07		0.06		0.07														
28	0.07		0.08		0.07		0.08														
28	0.07		0.09		0.07		0.08														
30	0.08		0.08		0.07		0.07														
31																					

SUMMARY & COMPLIANCE ACTIONS	Criteria	Filter No.										Plant	
		1	2	3	4	5	6	7	8	9	10		
	Number of days with event(s) above 0.5 NTU at 4.0 hrs this month												
	Number of days with event(s) above 1.0 NTU this month	0	0	0	0								
	Number of days with event(s) above 1.0 NTU last month	0	0	0	0								
	Number of days with event(s) above 1.0 NTU two months ago	0	0	0	0								
	Total number of days with event(s) above 1.0 NTU in three months	0	0	0	0								
	Number of events above 2.0 NTU this month											0	
	Number of events above 2.0 NTU last month											0	
	Does the filter/plant have an approved Corrective Action Plan?	N	N	N	N								N
	Is the plant required to submit a Filter Profile Report?	N	N	N	N								
	Is the plant required to submit a Filter Assessment Report?	N	N	N	N								
	Is the plant required to submit a Request for Compliance CPE?											N	

SUBMITTED BY: Luic G. Tapia Certificate No. WS0014096, B and Grade: WS0014096, B Date: December 10, 2024

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
Disinfection Data Page

PUBLIC WATER SYSTEM NAME: Webb County Water Utilities
PWS ID No.: 2400022 Plant ID No.: 20831

PLANT NAME OR NUMBER: Rio Bravo
Month: November Year: 2024

DISINFECTION PROCESS PARAMETERS							
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS		
Parameters	Disinfection Zones					Log Inactivations	
	D1A	D1B	D2	D3	D4	Giardia lamblia Cysts	Viruses
Flow Rate (MGD)	1.250	1.250	0.625	1.250		0.5	2.0
T ₁₀ (minutes)	7.9	7.9	21.0	50.4			

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time ₁₀
1	FCL D1A	0.2	0.693	25.4	7.2				
	FCL D1B	0.2	0.693	25.6	7.1				
	FCL D2	0.3	0.346	25.6	7.3	2.42	35.35	4.83	
	CLA D3	3.4	0.693	25.5	7.1			(G)	
	D4								
2	FCL D1A	1.1	0.717	26.1	7.2				
	FCL D1B	1.1	0.717	25.5	7.2				
	FCL D2	0.9	0.359	25.7	7.3	5.18	107.95	10.37	
	CLA D3	4.4	0.717	25.7	7.3			(G)	
	D4								
3	FCL D1A	1.3	0.701	25.8	7.2				
	FCL D1B	1.3	0.701	26.1	7.1				
	FCL D2	0.6	0.350	25.9	7.3	4.38	95.67	8.75	
	CLA D3	3.1	0.701	25.6	7.3			(G)	
	D4								
4	FCL D1A	1.0	0.677	26.2	7.3				
	FCL D1B	1.2	0.677	26.2	7.2				
	FCL D2	0.8	0.338	26.1	7.5	4.49	103.31	8.97	
	CLA D3	3.0	0.677	26.3	7.2			(G)	
	D4								
5	FCL D1A	1.4	0.674	24.8	7.3				
	FCL D1B	1.4	0.674	24.9	7.2				
	FCL D2	1.2	0.337	24.5	7.4	5.40	136.33	10.80	
	CLA D3	2.8	0.674	24.9	7.2			(G)	
	D4								
6	FCL D1A	1.0	0.714	24.6	7.4				
	FCL D1B	1.1	0.714	24.6	7.4				
	FCL D2	0.8	0.357	24.6	7.5	3.90	88.81	7.80	
	CLA D3	3.1	0.714	25.0	7.3			(G)	
	D4								
7	FCL D1A	0.6	0.719	24.5	7.3				
	FCL D1B	0.6	0.719	24.5	7.2				
	FCL D2	0.6	0.360	23.9	7.5	3.08	60.05	6.15	
	CLA D3	3.1	0.719	24.9	7.3			(G)	
	D4								
8	FCL D1A	1.0	0.732	24.9	7.3				
	FCL D1B	1.1	0.732	24.8	7.3				
	FCL D2	0.6	0.366	24.6	7.5	3.55	77.34	7.11	
	CLA D3	3.1	0.732	24.2	7.3			(G)	
	D4								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time ₁₀
9	FCL D1A	0.9	0.698	24.0	7.2				
	FCL D1B	0.8	0.698	24.1	7.1				
	FCL D2	1.0	0.349	23.8	7.3	4.35	96.59	8.71	
	CLA D3	3.0	0.698	24.0	7.3			(G)	
	D4								
10	FCL D1A	0.6	0.726	24.1	7.2				
	FCL D1B	0.6	0.726	24.0	7.2				
	FCL D2	0.7	0.363	24.5	7.3	3.66	72.24	7.32	
	CLA D3	3.4	0.726	24.9	7.3			(G)	
	D4								
11	FCL D1A	0.4	0.727	24.9	7.2				
	FCL D1B	0.3	0.727	24.5	7.2				
	FCL D2	0.4	0.364	23.9	7.4	2.43	38.36	4.86	
	CLA D3	3.5	0.727	24.5	7.4			(G)	
	D4								
12	FCL D1A	0.3	0.721	24.3	7.1				
	FCL D1B	0.3	0.721	24.4	7.1				
	FCL D2	0.3	0.360	24.1	7.3	2.06	30.75	4.13	
	CLA D3	3.1	0.721	24.4	7.4			(G)	
	D4								
13	FCL D1A	0.7	0.708	24.5	7.2				
	FCL D1B	0.7	0.708	24.5	7.2				
	FCL D2	0.7	0.354	24.7	7.4	3.62	71.53	7.25	
	CLA D3	3.5	0.708	24.7	7.2			(G)	
	D4								
14	FCL D1A	1.2	0.720	23.7	7.3				
	FCL D1B	1.2	0.720	23.7	7.4				
	FCL D2	0.7	0.360	23.4	7.7	3.42	81.93	6.84	
	CLA D3	2.9	0.720	23.6	7.2			(G)	
	D4								
15	FCL D1A	0.5	0.729	23.4	7.4				
	FCL D1B	0.5	0.729	23.4	7.3				
	FCL D2	0.3	0.365	23.2	7.6	1.99	35.46	3.98	
	CLA D3	2.8	0.729	23.5	7.4			(G)	
	D4								
16	FCL D1A	0.4	0.729	23.2	7.4				
	FCL D1B	0.4	0.729	23.3	7.3				
	FCL D2	0.6	0.365	23.3	7.5	2.83	54.98	5.67	
	CLA D3	3.6	0.729	23.5	7.3			(G)	
	D4								

NOTE: = ONLY use the "Time₁₀" column to show the length of time that the total inactivation ratio was less than 1.00.

SUBMITTED BY: Luís G. Topica Certificate No. and Grade: WS0014096, B Date: December 10, 2024

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
Disinfection Data Page (cont.)

PUBLIC WATER SYSTEM NAME: Webb County Water Utilities

PLANT NAME OR NUMBER: Rio Bravo

PWS ID No.: 2400022

Plant ID No.: 20831

Month: November

Year: 2024

DISINFECTION PROCESS PARAMETERS

APPROVED CT STUDY PARAMETERS						PERFORMANCE STANDARDS	
Parameters	Disinfection Zones					Log Inactivations	
	D1A	D1B	D2	D3	D4	Giardia lamblia Cysts	Virus
Flow Rate (MGD)	1.25	1.25	0.63	1.25		0.5	2.0
T ₁₀ (minutes)	7.90	7.90	21.00	50.40			

PERFORMANCE DATA

DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
17	FCL D1A	0.5	0.737	24.1	7.3				
	FCL D1B	0.5	0.737	24.1	7.2				
	FCL D2	0.5	0.369	24.2	7.4	2.81	51.62	5.62	
	CLA D3	3.4	0.737	24.3	7.4			(G)	
	D4								
18	FCL D1A	0.3	0.749	22.9	7.2				
	FCL D1B	0.3	0.749	23.0	7.2				
	FCL D2	0.7	0.374	22.3	7.4	2.58	50.50	5.17	
	CLA D3	3.0	0.749	23.1	7.2			(G)	
	D4								
19	FCL D1A	0.6	0.741	22.2	7.4				
	FCL D1B	0.7	0.741	22.5	7.3				
	FCL D2	0.6	0.370	22.0	7.5	2.25	53.35	4.50	
	CLA D3	1.8	0.741	22.3	7.2			(G)	
	D4								
20	FCL D1A	0.7	0.721	21.7	7.2				
	FCL D1B	0.7	0.721	21.6	7.2				
	FCL D2	1.2	0.361	21.3	7.5	3.51	65.94	7.01	
	CLA D3	3.0	0.721	21.3	7.0			(G)	
	D4								
21	FCL D1A	0.7	0.715	20.4	7.4				
	FCL D1B	0.8	0.715	21.0	7.4				
	FCL D2	0.8	0.357	21.2	7.5	2.88	61.43	5.71	
	CLA D3	3.5	0.715	20.3	7.5			(G)	
	D4								
22	FCL D1A	1.3	0.735	22.8	7.4				
	FCL D1B	1.4	0.735	22.7	7.3				
	FCL D2	0.7	0.368	22.0	7.5	3.34	78.73	6.68	
	CLA D3	3.1	0.735	22.6	7.6			(G)	
	D4								
23	FCL D1A	0.9	0.732	22.8	7.4				
	FCL D1B	0.9	0.732	22.8	7.3				
	FCL D2	0.7	0.366	22.8	7.5	3.28	69.94	6.56	
	CLA D3	3.4	0.732	23.5	7.6			(G)	
	D4								
24	FCL D1A	0.8	0.722	23.7	7.3				
	FCL D1B	0.8	0.722	23.7	7.2				
	FCL D2	0.7	0.361	23.5	7.4	3.42	69.18	6.84	
	CLA D3	3.5	0.722	24.4	7.4			(G)	
	D4								

PERFORMANCE DATA

DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
25	FCL D1A	0.6	0.702	22.3	7.1				
	FCL D1B	0.7	0.702	22.4	7.2				
	FCL D2	0.5	0.351	22.9	7.1	2.62	51.57	5.25	
	CLA D3	2.5	0.702	22.1	7.4			(G)	
	D4								
26	FCL D1A	1.0	0.676	21.5	7.3				
	FCL D1B	1.2	0.676	21.7	7.3				
	FCL D2	0.8	0.338	21.7	7.5	3.30	73.54	6.61	
	CLA D3	3.2	0.676	22.2	6.9			(G)	
	D4								
27	FCL D1A	0.7	0.672	21.7	7.3				
	FCL D1B	0.8	0.672	21.6	7.2				
	FCL D2	0.8	0.336	22.4	7.3	3.44	71.45	6.89	
	CLA D3	3.3	0.672	22.8	7.2			(G)	
	D4								
28	FCL D1A	0.7	0.683	21.2	7.3				
	FCL D1B	0.5	0.683	21.1	7.3				
	FCL D2	0.8	0.342	21.1	7.5	3.02	64.54	6.05	
	CLA D3	3.5	0.683	20.9	7.4			(G)	
	D4								
29	FCL D1A	0.8	0.696	19.6	7.3				
	FCL D1B	0.8	0.696	19.1	7.2				
	FCL D2	0.8	0.348	19.8	7.4	2.91	60.59	5.82	
	CLA D3	3.5	0.696	20.7	7.0			(G)	
	D4								
30	FCL D1A	0.7	0.711	20.3	7.3				
	FCL D1B	0.5	0.711	20.4	7.3				
	FCL D2	0.9	0.356	20.9	7.5	2.95	62.94	5.90	
	CLA D3	3.6	0.711	20.4	7.3			(G)	
	D4								
31	D1A								
	D1B								
	D2								
	D3								
	D4								

Max	5.40	136.33	10.60
Min	1.99	30.75	3.98
Avg	3.30	69.73	6.60
SD	0.82	23.13	1.64

NOTE: = ONLY use the "Time" column to show the length of time that the total inactivation ratio was less than 1.00.

SUBMITTED BY: Luis G. Tapia

Certificate No. and Grade: WS0014086, B

Date: December 10, 2024

MONTHLY TOTAL ORGANIC CARBON REMOVAL REPORT (TOCMOR)

FOR SURFACE WATER OR GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER SYSTEMS

PUBLIC WATER SYSTEM NAME: Webb County Water Utilities **PLANT NAME OR NUMBER:** Rio Bravo
PWS ID No.: 2400022 **Plant ID No.:** 20831 **Month:** November **Year:** 2024
Type of treatment: Conventional Unconventional explain: _____

Note: Systems are required to run one TOC Sample Set every month. Additional space is provided for those systems that do additional sampling

Test No.	Test Date	Monthly TOC Sample Set			Actual % TOC Removed	Step 1 Required Removal %	Step 1 Removal Ratio	Optional data		INDIVIDUAL SAMPLE COMPLIANCE REMOVAL RATIO
		Raw Alkalinity	Raw TOC	Treated TOC				Step 2 Required % Removal	Step 2 Removal Ratio	
		Enter the Sample Set results						calculated	calculated from matrix	
1	11/7	120	4.01	3.08	23.2	35	0.66			0.66
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Avg		120.00	4.01	3.08	23.19		0.66			0.66
Max		120.00	4.01	3.08	23.19		0.66			0.66
Min		120.00	4.01	3.08	23.19		0.66			0.66

TOTAL ORGANIC CARBON (TOC) REMOVAL SUMMARY

TOC Summary					Monthly Compliance Ratio
Raw Water Alkalinity	Raw Water TOC	Treated Water TOC	TOC % Removal	ACC # used	
120	4.01	3.08	23.2	NA	0.66

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature: *[Signature]* **Certificate No. and Grade:** WS0014096, B

Date: December 10, 2024

Submit the report by the 10th of the month following the reporting period to:

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
 WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
 P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

UV MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER
UV Calculated Dose Approach Reactors

PUBLIC WATER SYSTEM NAME: Webb County Water Utilities PLANT NAME OR NUMBER: Rio Bravo
 PWS ID No.: 2400022 Plant ID No.: 20831 Month: November Year: 2024

VALIDATED OPERATIONAL CONDITIONS							
VALIDATED PARAMETERS					PERFORMANCE REQUIREMENTS		
Parameters	Reactor Number					Crypto Log Inactivation	Required UV Dose (mJ/cm ²)
	UVCD1	UVCD2	UVCD3	UVCD4	UVCD5		
Max Validated Flow Rate (MGD)	5.080	5.080	5.080			1.0	2.50
Min Validated UVT (%)	89.20	89.20	89.20				

PERFORMANCE DATA									
OPERATIONAL DATA									
Date	Reactor	Total Product (MG)	Max. Flow Rate (MGD)	Min UV Trans. (%)	Minimum Meas'd UV Dose (mJ/cm ²)	Sensor CF	Adjusted Minimum UV Dose (mJ/cm ²)	Total Off-Spec Product (MG)	Consec. Off-Spec Hours (hr)
	1	0.407	0.732	84.67	26.53	1.00	26.53	0.000	0.000
	2	X	X	X	X	X	X	X	
	3	0.387	0.714	84.67	26.52	1.00	26.52	0.000	
	4								
	5								
	1	0.445	0.701	85.03	26.55	1.00	26.55	0.000	0.000
	2	X	X	X	X	X	X	X	
	3	0.422	0.666	85.03	26.54	1.00	26.54	0.000	
	4								
	5								
	1	0.436	0.933	84.78	18.84	1.00	18.84	0.000	0.000
	2	X	X	X	X	X	X	X	
	3	0.415	0.875	84.78	25.27	1.00	25.27	0.000	
	4								
	5								
	1	0.478	0.775	85.10	26.54	1.00	26.54	0.000	0.000
	2	X	X	X	X	X	X	X	
	3	0.456	0.736	85.10	26.46	1.00	26.46	0.000	
	4								
	5								
	1	0.429	0.763	85.14	26.54	1.00	26.54	0.000	0.000
	2	X	X	X	X	X	X	X	
	3	0.408	0.731	85.14	26.41	1.00	26.41	0.000	
	4								
	5								
	1	0.547	0.814	85.22	24.88	1.00	24.88	0.000	0.000
	2	X	X	X	X	X	X	X	
	3	0.521	0.818	85.22	26.46	1.00	26.46	0.000	
	4								
	5								
	1	0.518	0.747	85.33	25.88	1.00	25.88	0.000	0.000
	2	X	X	X	X	X	X	X	
	3	0.492	0.703	85.33	26.34	1.00	26.34	0.000	
	4								
	5								
	1	X	X	X	X	X	X	X	0.000
	2	0.554	0.934	85.09	7.27	1.00	7.27	0.000	
	3	0.377	0.642	85.09	25.81	1.00	25.81	0.000	
	4								
	5								

PERFORMANCE DATA									
OPERATIONAL DATA									
Date	Reactor	Total Product (MG)	Max. Flow Rate (MGD)	Min UV Trans. (%)	Minimum Meas'd UV Dose (mJ/cm ²)	Sensor CF	Adjusted Minimum UV Dose (mJ/cm ²)	Total Off-Spec Product (MG)	Consec. Off-Spec Hours (hr)
	1	X	X	X	X	X	X	X	0.26
	2	0.512	0.861	84.82	0.00	1.00	0.00	0.008	
	3	0.349	0.644	84.82	25.66	1.00	25.66	0.000	
	4								
	5								
	1	X	X	X	X	X	X	X	0.000
	2	0.514	0.892	84.73	8.57	1.00	8.57	0.000	
	3	0.350	0.604	84.73	28.17	1.00	28.17	0.000	
	4								
	5								
	1	X	X	X	X	X	X	X	0.25
	2	0.547	0.925	84.60	0.00	1.00	0.00	0.009	
	3	0.372	0.632	84.60	25.73	1.00	25.73	0.000	
	4								
	5								
	1	X	X	X	X	X	X	X	0.25
	2	0.523	0.985	84.36	0.00	1.00	0.00	0.009	
	3	0.354	0.646	84.36	26.22	1.00	26.22	0.000	
	4								
	5								
	1	X	X	X	X	X	X	X	0.000
	2	0.531	0.854	84.19	16.58	1.00	16.58	0.000	
	3	0.381	0.577	84.19	26.40	1.00	26.40	0.000	
	4								
	5								
	1	X	X	X	X	X	X	X	0.000
	2	0.620	0.853	84.44	3.04	1.00	3.04	0.000	
	3	0.355	0.592	84.44	26.09	1.00	26.09	0.000	
	4								
	5								
	1	X	X	X	X	X	X	X	0.000
	2	0.548	0.953	84.20	15.67	1.00	15.67	0.000	
	3	0.372	0.637	84.20	26.35	1.00	26.35	0.000	
	4								
	5								
	1	X	X	X	X	X	X	X	0.25
	2	0.547	0.894	84.09	2.32	1.00	2.32	0.009	
	3	0.373	0.608	84.09	25.95	1.00	25.95	0.000	
	4								
	5								

SUBMITTED BY: Luis G. Tapia Certificate No. and Grade: WS0014098, B Date: December 10, 2024

UV MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
UV Calculated Dose Approach Reactors (cont.)

PUBLIC WATER SYSTEM NAME: Webb County Water Utilities PLANT NAME OR NUMBER: Rio Bravo
 PWS ID No.: 2400022 Plant ID No.: 20831 Month: November Year: 2024

TRUE

VALIDATED OPERATIONAL CONDITIONS

VALIDATED PARAMETERS						PERFORMANCE REQUIREMENTS	
Parameters	Reactor Number					Crypto Log Inactivation	Required UV Dose (mJ/cm ²)
	UVCD1	UVCD2	UVCD3	UVCD4	UVCD5		
Max Validated Flow Rate (MGD)	5.080	5.080	5.080			1.0	2.50
Min Validated UVT (%)	69.20	69.20	69.20				

PERFORMANCE DATA

OPERATIONAL DATA									
Date	Reactor	Total Product. (MG)	Max. Flow Rate (MGD)	Min UV Trans. (%)	Minimum Meas'd UV Dose (mJ/cm ²)	Sensor CF	Adjusted Minimum UV Dose (mJ/cm ²)	Total Off-Spec Product. (MG)	Consec. Off-Spec Hours (hr)
17	1	X	X	X	X	X	X	X	0.000
	2	0.557	0.878	84.04	8.54	1.00	8.54	0.000	
	3	0.380	0.608	84.04	26.40	1.00	26.40	0.000	
	4								
	5								
18	1	0.496	0.779	84.31	19.23	1.00	19.23	0.000	0.000
	2	X	X	X	X	X	X	X	
	3	0.469	0.736	84.31	25.53	1.00	25.53	0.000	
	4								
	5								
19	1	0.459	0.839	84.96	22.39	1.00	22.39	0.000	0.000
	2	X	X	X	X	X	X	X	
	3	0.472	0.764	84.96	26.31	1.00	26.31	0.000	
	4								
	5								
20	1	0.547	0.805	85.03	25.12	1.00	25.12	0.000	0.000
	2	X	X	X	X	X	X	X	
	3	0.519	0.761	85.03	26.59	1.00	26.59	0.000	
	4								
	5								
21	1	0.558	0.754	84.77	25.13	1.00	25.13	0.000	0.000
	2	X	X	X	X	X	X	X	
	3	0.529	0.710	84.77	26.43	1.00	26.43	0.000	
	4								
	5								
22	1	0.383	0.785	84.41	24.91	1.00	24.91	0.000	0.000
	2	0.488	1.000	84.41	9.12	1.00	9.12	0.000	
	3	X	X	X	X	X	X	X	
	4								
	5								
23	1	0.470	0.795	84.76	24.82	1.00	24.82	0.000	0.25
	2	0.604	1.009	84.76	0.00	1.00	0.00	0.008	
	3	X	X	X	X	X	X	X	
	4								
	5								
24	1	0.409	0.664	84.45	26.18	1.00	26.18	0.000	0.000
	2	0.523	0.853	84.45	12.60	1.00	12.60	0.000	
	3	X	X	X	X	X	X	X	
	4								
	5								

PERFORMANCE DATA

OPERATIONAL DATA									
Date	Reactor	Total Product. (MG)	Max. Flow Rate (MGD)	Min UV Trans. (%)	Minimum Meas'd UV Dose (mJ/cm ²)	Sensor CF	Adjusted Minimum UV Dose (mJ/cm ²)	Total Off-Spec Product. (MG)	Consec. Off-Spec Hours (hr)
25	1	0.418	0.678	85.05	26.54	1.00	26.54	0.000	0.000
	2	0.538	0.868	85.05	18.29	1.00	18.29	0.000	
	3	X	X	X	X	X	X	X	
	4								
	5								
26	1	0.385	0.607	84.32	25.47	1.00	25.47	0.000	0.000
	2	0.490	0.779	84.32	18.19	1.00	18.19	0.000	
	3	X	X	X	X	X	X	X	
	4								
	5								
27	1	0.372	0.630	84.26	26.02	1.00	26.02	0.000	0.000
	2	0.476	0.782	84.26	2.82	1.00	2.82	0.000	
	3	X	X	X	X	X	X	X	
	4								
	5								
28	1	0.427	0.603	84.01	26.33	1.00	26.33	0.000	0.25
	2	0.548	0.789	84.01	0.00	1.00	0.00	0.008	
	3	X	X	X	X	X	X	X	
	4								
	5								
29	1	0.356	0.616	84.25	25.49	1.00	25.49	0.000	0.000
	2	0.458	0.793	84.25	18.19	1.00	18.19	0.000	
	3	X	X	X	X	X	X	X	
	4								
	5								
30	1	0.389	0.640	84.43	26.21	1.00	26.21	0.000	0.25
	2	0.500	0.834	84.43	1.70	1.00	1.70	0.008	
	3	X	X	X	X	X	X	X	
	4								
	5								
31	1								
	2								
	3								
	4								
	5								

SUBMITTED BY:

Luis G. Tapia

Certificate No. and Grade:

WS0014086, B

Date:

December 10, 2024

UV MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
UV Calculated Dose Approach - Daily Minimum Inactivation Summary Page

PUBLIC WATER SYSTEM NAME: Webb County Water Utilities

PLANT NAME OR NUMBER: Rio Bravo

PWS ID No.: 2400022 Plant ID No.: 20831

Month: November Year: 2024

DAILY MINIMUM INACTIVATION											
Reactor Range	SUMMARY DATA					Reactor Range	SUMMARY DATA				
	Date	Min Dose (mJ/cm ²)	Inactivation Credit Achieved				Date	Min Dose (mJ/cm ²)	Min Inactivation		
			Giardia Log	Virus Log	Crypto Log				Giardia Log	Virus Log	Crypto Log
1 to 3	1	26.52	4.00	0.13	1.00	1 to 3	9	0.00*	1.00	0.00	1.00
	2	26.54	4.00	0.13	1.00		10	8.57	2.63	0.00	1.00
	3	18.84	3.77	0.00	1.00		11	0.00*	1.00	0.00	1.00
	4	26.48	4.00	0.12	1.00		12	0.00*	1.00	0.00	1.00
	5	26.41	4.00	0.12	1.00		13	16.58	3.61	0.00	1.00
	6	24.88	4.00	0.07	1.00		14	3.04	1.52	0.00	1.00
	7	25.99	4.00	0.11	1.00		15	15.87	3.58	0.00	1.00
	8	7.27	2.41	0.00	1.00		16	2.32*	1.15	0.00	1.00

DAILY MINIMUM INACTIVATION											
Reactor Range	SUMMARY DATA					Reactor Range	SUMMARY DATA				
	Date	Min Dose (mJ/cm ²)	Min Inactivation				Date	Min Dose (mJ/cm ²)	Min Inactivation		
			Giardia Log	Virus Log	Crypto Log				Giardia Log	Virus Log	Crypto Log
1 to 3	17	8.54	2.83	0.00	1.00	1 to 3	25	18.29	3.73	0.00	1.00
	18	18.23	3.80	0.00	1.00		26	18.18	3.80	0.00	1.00
	19	22.39	4.00	0.00	1.00		27	2.82	1.42	0.00	1.00
	20	25.12	4.00	0.08	1.00		28	0.00*	1.00	0.00	1.00
	21	25.13	4.00	0.08	1.00		29	18.18	3.73	0.00	1.00
	22	8.12	2.72	0.00	1.00		30	1.70*	1.00	0.00	1.00
	23	0.00*	1.00	0.00	1.00		31				1.00
	24	12.60	3.20	0.00	1.00						

Total volume of water treated by all CDA reactors: 27.68 MG
 Total volume of off-spec water produced by all CDA reactors: 0.06 MG
 Percentage of off-spec water produced by all CDA reactors: 0.21 %
 Crypto Log-Inactivation Credit for treatment by CDA reactors: 1.00 log

Raw water pumpage and total production by all UV reactors differ by more than 15% on these days:

SUBMITTED BY: Luis G. Tapia

Certificate No. and Grade: WS0014096, B Date: December 10, 2024

UV MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
UV Sensor Calibration for Calculated Dose Reactors

PUBLIC WATER SYSTEM NAME: Webb County Water Utilities
 PWS ID No.: 2400022 Plant ID No.: 20831

PLANT NAME OR NUMBER: Rio Bravo
 Month: November Year: 2024

CALIBRATION DATA									
CDA Reactor Number	UV Sensor Calibration Report for Calculated Dose Reactors								
	Calibration Date and Data	Duty Sensor	Duty Sensor Serial #	Ref Sensor Serial #	Duty Sensor Reading (mJ/cm ²)	Ref Sensor Reading (mJ/cm ²)	Cal Ratio	Duty Sensor Replaced?	Calculated Sensor CF
UVCD No. 1	Previous Month's Sensor CF	1	40	11	53.70	54.50	0.99	NA	1.00
		2							
		3							
	1.00	4							
	Calibration Date	5							
		6							
	11/1/24	7							
	New Sensor CF	8							
		9							
	1.00	10							
UVCD No. 2	Previous Month's Sensor CF	1	38	11	65.20	73.20	0.89		1.00
		2							
		3							
	1.00	4							
	Calibration Date	5							
		6							
	11/1/24	7							
	New Sensor CF	8							
		9							
	1.00	10							
UVCD No. 3	Previous Month's Sensor CF	1	48	11	58.30	53.90	1.08	NA	1.00
		2							
		3							
	1.00	4							
	Calibration Date	5							
		6							
	11/1/24	7							
	New Sensor CF	8							
		9							
	1.00	10							
UVCD No. 4	Previous Month's Sensor CF	1							
		2							
		3							
		4							
	Calibration Date	5							
		6							
		7							
	New Sensor CF	8							
		9							
		10							
UVCD No. 5	Previous Month's Sensor CF	1							
		2							
		3							
		4							
	Calibration Date	5							
		6							
		7							
	New Sensor CF	8							
		9							
		10							

CALIBRATION DATA									
CDA Reactor Number	UV Sensor Calibration Report for Calculated Dose Reactors								
	Calibration Date	Duty Sensor	Duty Sensor Serial #	Ref Sensor Serial #	Duty Sensor Reading (mJ/cm ²)	Ref Sensor Reading (mJ/cm ²)	Cal Ratio	Duty Sensor Replaced?	Calculated Sensor CF
UVCD No. 6	Previous Month's Sensor CF	1							
		2							
		3							
		4							
	Calibration Date	5							
		6							
		7							
	New Sensor CF	8							
		9							
		10							
UVCD No. 7	Previous Month's Sensor CF	1							
		2							
		3							
		4							
	Calibration Date	5							
		6							
		7							
	New Sensor CF	8							
		9							
		10							
UVCD No. 8	Previous Month's Sensor CF	1							
		2							
		3							
		4							
	Calibration Date	5							
		6							
		7							
	New Sensor CF	8							
		9							
		10							
UVCD No. 9	Previous Month's Sensor CF	1							
		2							
		3							
		4							
	Calibration Date	5							
		6							
		7							
	New Sensor CF	8							
		9							
		10							
UVCD No. 10	Previous Month's Sensor CF	1							
		2							
		3							
		4							
	Calibration Date	5							
		6							
		7							
	New Sensor CF	8							
		9							
		10							

SUBMITTED BY: Luis G. Tapia

Certificate No. and Grade: WS0014056, B

Date: December 10, 2024

UV MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
UV Sensor Calibration for Calculated Dose Reactors (cont.)

PUBLIC WATER SYSTEM NAME: Webb County Water Utilities
 PWS ID No.: 2400922 Plant ID No.: 20831

PLANT NAME OR NUMBER: Rio Bravo
 Month: November Year: 2024

CALIBRATION DATA											
CDA Reactor Number	UV Sensor Calibration Report for Calculated Dose Reactors										
	Calibration Date	Duty Sensor	Duty Sensor Serial #	Ref Sensor Serial #	Duty Sensor Reading (mJ/cm ²)	Ref Sensor Reading (mJ/cm ²)	Cal Ratio	Duty Sensor Replaced?	Calculated Sensor CF		
UVCD No. 11	Previous Month's Sensor CF	1									
		2									
		3									
		4									
	Calibration Date	5									
		6									
		7									
	New Sensor CF	8									
		9									
		10									
UVCD No. 12	Previous Month's Sensor CF	1									
		2									
		3									
		4									
	Calibration Date	5									
		6									
		7									
	New Sensor CF	8									
		9									
		10									
UVCD No. 13	Previous Month's Sensor CF	1									
		2									
		3									
		4									
	Calibration Date	5									
		6									
		7									
	New Sensor CF	8									
		9									
		10									
UVCD No. 14	Previous Month's Sensor CF	1									
		2									
		3									
		4									
	Calibration Date	5									
		6									
		7									
	New Sensor CF	8									
		9									
		10									
UVCD No. 15	Previous Month's Sensor CF	1									
		2									
		3									
		4									
	Calibration Date	5									
		6									
		7									
	New Sensor CF	8									
		9									
		10									

CALIBRATION DATA											
CDA Reactor Number	UV Sensor Calibration Report for Calculated Dose Reactors										
	Calibration Date	Duty Sensor	Duty Sensor Serial #	Ref Sensor Serial #	Duty Sensor Reading (mJ/cm ²)	Ref Sensor Reading (mJ/cm ²)	Cal Ratio	Duty Sensor Replaced?	Calculated Sensor CF		
UVCD No. 16	Previous Month's Sensor CF	1									
		2									
		3									
		4									
	Calibration Date	5									
		6									
		7									
	New Sensor CF	8									
		9									
		10									
UVCD No. 17	Previous Month's Sensor CF	1									
		2									
		3									
		4									
	Calibration Date	5									
		6									
		7									
	New Sensor CF	8									
		9									
		10									
UVCD No. 18	Previous Month's Sensor CF	1									
		2									
		3									
		4									
	Calibration Date	5									
		6									
		7									
	New Sensor CF	8									
		9									
		10									
UVCD No. 19	Previous Month's Sensor CF	1									
		2									
		3									
		4									
	Calibration Date	5									
		6									
		7									
	New Sensor CF	8									
		9									
		10									
UVCD No. 20	Previous Month's Sensor CF	1									
		2									
		3									
		4									
	Calibration Date	5									
		6									
		7									
	New Sensor CF	8									
		9									
		10									

SUBMITTED BY: Luis G. Tapia

Certificate No. and Grade: WS0014086, B

Date: December 10, 2024

UV MONTHLY OPERATING REPORT
 FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
 OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER (cont.)
 UVT Analyzer Calibration

PUBLIC WATER
 SYSTEM NAME: Webb County Water Utilities

PLANT NAME
 OR NUMBER: Rio Bravo

PWS ID No.: 2400022

Plant ID No.: 20831

Month: November

Year: 2024

CALIBRATION DATA									CALIBRATION DATA									
UVT Analyzer Number	Benchtop UVT Analyzer Serial Number: UVT-03-P0108955					Difference (% UVT)	Recalibration Performed? (If Diff > 2%)	Other Action Taken	UVT Analyzer Number	Benchtop UVT Analyzer Serial Number: UVT-03-P0108955					Difference (% UVT)	Recalibration Performed? (If Diff > 2%)	Other Action Taken	
	Week	Calibration Date	On-line UVT Analyzer Serial #	On-line Reading (% UVT)	Grab Sample Reading (% UVT)					Week	Calibration Date	On-line UVT Analyzer Serial #	On-line Reading (% UVT)	Grab Sample Reading (% UVT)				
UVT No. 1	1	11/1/24	90422	90.50	91.30	0.80	NA	NA	UVT No. 11	1								
	2	11/4/24	90422	90.10	89.30	0.80	NA	NA		2								
	3	11/11/24	90422	90.20	91.10	0.90	NA	NA		3								
	4	11/18/24	90422	89.30	90.60	1.30	NA	NA		4								
	5	11/25/24	90422	89.40	90.30	0.90	NA	NA		5								
UVT No. 2	1								UVT No. 12	1								
	2									2								
	3									3								
	4									4								
	5									5								
UVT No. 3	1								UVT No. 13	1								
	2									2								
	3									3								
	4									4								
	5									5								
UVT No. 4	1								UVT No. 14	1								
	2									2								
	3									3								
	4									4								
	5									5								
UVT No. 5	1								UVT No. 15	1								
	2									2								
	3									3								
	4									4								
	5									5								
UVT No. 6	1								UVT No. 16	1								
	2									2								
	3									3								
	4									4								
	5									5								
UVT No. 7	1								UVT No. 17	1								
	2									2								
	3									3								
	4									4								
	5									5								
UVT No. 8	1								UVT No. 18	1								
	2									2								
	3									3								
	4									4								
	5									5								
UVT No. 9	1								UVT No. 19	1								
	2									2								
	3									3								
	4									4								
	5									5								
UVT No. 10	1								UVT No. 20	1								
	2									2								
	3									3								
	4									4								
	5									5								

SUBMITTED BY:

Luis G. Topia

Certificate No.
and Grade:

WS0014098, B

Date:

December 10, 2024