

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

COPY

PUBLIC WATER

SYSTEM NAME: Webb County Water Utility

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: _____

Report for the Month of: May 2016

Certificate No. & Grade: WS0009456, C

Date: June 10, 2016

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	124	Number of 4-hour periods when plant was off-line:	62
Number of readings above 0.10 NTU:	78	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days with readings above 1.0 NTU:	0 (2)
Number of readings above 1.0 NTU:	0	Number of days with readings above 5.0 NTU:	0 (3)
Maximum allowable turbidity level:	0.3		
Percentage of readings above this limit:	0.0 % (1)		

Statistical Summary	Maximum turbidity reading:	0.25 NTU	Average turbidity value:	0.12 NTU
	Minimum turbidity reading:	0.06 NTU	Standard deviation:	0.032 NTU
	CFE 95 th percentile value:	0.15 NTU	IFE 95 th percentile:	0.244 NTU

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

Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	2.93
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	55.66
		Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0

Minimum disinfectant residual required leaving the plant:	0.5 mg/L, measured as Total Chlorine
Number of days with a low residual for no more than 4.0 consecutive hours:	0
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)
	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:	0.5 mg/L, measured as Total Chlorine		
Total number of readings this month:	34	(at least 31 required) (8)	
Average disinfectant residual value:	1.01	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)
Number of readings with no detectable residual:	0		

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is required because there was at least one treatment technique or monitoring/reporting violation reported.

- Additional report(s) for individual filter monitoring required: NONE Filter Profile Filter Assessment CPE
- 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.				

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

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.)
 Summary Page Addendum (Violations and Public Notices)

PUBLIC WATER SYSTEM NAME: Webb County Water Utility

PLANT NAME OR NUMBER: Rio Bravo

PWS ID No.: 2400022

Plant ID No.: 20831

Month: May

Year: 2016

PUBLIC NOTICES						
VIOLATION TYPE	DESCRIPTION OF VIOLATION	VIOLATION OCCURRED?	NOTICE TO TCEQ <input checked="" type="checkbox"/> DATE OF NOTICE	NOTICE TO CUSTOMER* DATE OF NOTICE PENDING		VIOLATION DATES
TREATMENT TECHNIQUE	Were more than 5.0% of the turbidity readings above the acceptable level? - see (1) on the Summary Page	No				
	Were there any days with turbidity readings above 1.0 NTU? - see (2) on the Summary Page	No				
	Were there any days with turbidity readings above 5.0 NTU? - see (3) on the Summary Page	No				
	Were there any periods when the plant failed to meet the CT requirements for more than 4.0 consecutive hours? - see (4) on the Summary Page	No				
	Were there any periods when the residuals leaving the plant fell below the acceptable level for more than 4.0 consecutive hours? - see (5) on the Summary Page	No				
	Were more than 5.0% of the residuals in the distribution system below the acceptable level for two months in a row? - see (6A) and (6B) on the Summary Page	No				
	Was Cryptosporidium removal credit less than required based on Bin Classification? - see (7A), (7B), and (7C) on the Summary Page	Yes	05/18/16	05/31/16	NO	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
MONITORING & REPORTING	Were there any days when the plant failed to report all of the required Combined Filter Effluent (CFE) turbidity readings? - see the Turbidity Data Page	No				
	Were there any days when the plant failed to report all the CT data needed to evaluate the level of microbial inactivation achieved? - see the Disinfection Data Page	No				
	Were there any days when the plant failed to report the minimum disinfectant residual entering the distribution system? - see the Turbidity Data Page	No				
	Did the system fail to collect enough samples in the distribution system to meet the minimum disinfectant monitoring requirements? - see (8) on the Summary Page	No				
	Were there any days when the plant failed to report the maximum individual filter effluent (IFE) turbidity level produced by each filter? - see the Filter Data Page	No				
	Were there any days when the plant failed to report the IFE turbidity level 4-hours after beginning a filter run? - see the Filter Data Page	Not Applicable				
	Did the plant fail to submit a Filter Profile Report if one was required? - see (9) on the Summary page	No				
	Did the plant fail to submit a Filter Assessment Report if one was required? - see (10) on the Summary Page	No				
	Did the plant fail to submit a Comprehensive Performance Evaluation Request if one was required? - see (11) on the Summary Page	No				
	Did the plant fail to collect at least one Total Organic Carbon sample set? - see TOCMOR Page	No				

* Treatment technique violation notices are due no later than the end of the next business day. Please include a copy if possible.
 * Copies of each Public Notice must accompany this report if they have already been issued.

SUBMITTED BY: Tomas Sanchez Jr.

Certificate No. and Grade: WS0009456, C

Date: June 10, 2016

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.)
 Summary Page Addendum (Violations and Public Notices)

PUBLIC WATER SYSTEM NAME: Webb County Water Utility

PLANT NAME OR NUMBER: Rio Bravo

PWS ID No.: 2400022

Plant ID No.: 20831

Month: May

Year: 2016

PUBLIC NOTICES						
VIOLATION TYPE	DESCRIPTION OF VIOLATION	VIOLATION OCCURRED?	NOTICE TO TCEQ <input checked="" type="checkbox"/>	NOTICE TO CUSTOMER *		VIOLATION DATES
			DATE OF NOTICE	DATE OF NOTICE	PENDING	
MONITORING & REPORTING FOR ALTERNATIVE TECHNOLOGIES	Were there any days when the plant failed to report all of the data required to evaluate its watershed protection program?	Not Applicable				
	Were there any days when the plant failed to report all of the data required to evaluate its bank filters? - see the Prefilters worksheet	Not Applicable				
	Were there any days when the plant failed to report all of the data needed to evaluate its presedimentation basin? - see the Prefilters worksheet	Not Applicable				
	Were there any days when the plant failed to report all of the data needed to evaluate its two stage softening process? - see the Prefilters worksheet	Not Applicable				
	Were there any days when the plant failed to report all of the data needed to evaluate its bag or cartridge filters? - see the Bag, Cartridge worksheet	Not Applicable				
	Were there any days when the plant failed to report all of the data needed to evaluate its 2nd stage filters? - see the 2ndStageFilters worksheet	Not Applicable				
	Were there any days when the plant failed to report all of the data needed to evaluate its membrane filters? - see the membrane worksheets	Not Applicable				
	Were there any days when the plant failed to report all of the data needed to evaluate its UV reactors? - see the UV-ISA and UV-CDA worksheets	Not Applicable				
	Did the plant fail to report the data needed to evaluate its UV sensors or UV Transmittance analyzers? - see the UV-Sensors and UVT worksheets	Not Applicable				
	Were there any days when the plant failed to report all the CT data needed to evaluate the level of <i>Cryptosporidium</i> inactivation achieved? - see the Crypto CT worksheet	Not Applicable				
Were there any days when the plant failed to report all of the data required by the Demonstration of Performance approval letter issued by the TCEQ?	Not Applicable					

Treatment technique violation notices are due no later than the end of the next business day. Please include a copy if possible.
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SUBMITTED BY:

TOMAS SANCHEZ JR.

Certificate No. and Grade: WS0009456, C

Date: June 10, 2016

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 Utility PLANT NAME OR NUMBER: Rio Bravo
 PWS ID No.: 2400022 Plant ID No.: 20831 Connections: 1,915
 Month: May Year: 2016 Population: 6,703

PERFORMANCE DATA																			
Date	Raw Water Pumpage (MGD)	Treated Water Pumpage (MGD)	RAW WATER ANALYSES		SETTLED WATER TURBIDITY (Mandatory Data)						FINISHED WATER QUALITY								
			NTU	Alk.	Basin No.						Combined Filter Effluent Turbidity						Lowest Residual	Time	
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6			
1	1.393	0.937	33	120	0.7	0.6						0.12	0.13	X	0.12	0.11	0.12	1.3	
2	1.000	0.744	37	120	1.2	1.5						0.13	X	X	0.13	0.13	0.13	1.7	
3	1.278	0.838	30	120	1.0	1.1						X	X	0.15	0.15	0.14	0.14	1.5	
4	1.416	1.014	25	140	1.2	1.4						X	X	0.14	0.12	0.14	0.14	2.0	
5	1.223	0.905	11	140	1.5	2.1						0.12	X	X	0.13	0.13	0.13	2.9	
6	1.116	0.837	9	140	1.7	0.8						0.12	X	X	0.12	0.06	0.06	3.0	
7	1.184	0.930	12	120	1.1	0.7						0.07	X	X	0.07	0.07	0.07	1.2	
8	1.528	0.812	19	120	1.1	1.1						0.08	0.07	0.08	0.08	0.08	0.07	0.8	
9	1.237	0.860	24	120	1.2	0.8						0.07	X	0.08	0.09	0.06	0.06	1.9	
10	1.116	0.800	23	120	0.6	1.6						X	X	0.06	0.07	0.08	0.07	2.2	
11	1.195	0.815	16	120	0.7	0.9						0.07	X	X	0.09	0.09	0.09	1.7	
12	1.466	0.941	16	120	0.5	0.4						0.09	0.09	0.10	0.10	X	0.10	1.9	
13	1.132	0.856	14	140	0.8	0.8						X	X	X	0.12	0.13	0.13	1.8	
14	1.216	0.779	18	140	0.5	0.8						0.13	X	X	0.14	0.14	0.13	1.9	
15	0.921	0.622	11	140	0.4	0.3						X	X	0.13	0.12	0.13	0.14	2.1	
16	1.007	0.682	36	120	0.7	0.3						X	X	0.13	0.08	0.10	0.12	1.6	
17	1.082	0.729	20	120	0.8	1.1						0.10	X	0.09	0.10	X	0.09	1.2	
18	1.032	0.731	33	100	0.7	1.1						X	X	X	0.09	0.12	0.12	1.1	
19	1.035	0.630	45	120	0.6	1.1						0.14	X	X	0.13	0.12	X	0.9	
20	0.931	0.668	23	120	0.7	0.8						X	X	X	0.13	0.13	X	1.8	
21	0.973	0.690	22	120	0.5	0.5						0.13	X	X	0.13	0.13	X	0.5	
22	1.155	0.819	15	120	0.8	1.5						0.14	0.14	X	0.13	0.13	0.12	1.9	
23	1.232	0.818	10	120	1.7	1.8						X	X	0.12	0.16	0.16	0.14	1.7	
24	0.955	0.803	18	120	1.4	1.2						X	X	0.13	0.13	X	0.13	1.2	
25	1.055	0.785	13	120	1.1	1.5						X	X	0.13	0.09	0.09	0.10	1.7	
26	1.105	0.777	11	120	1.0	2.0						0.09	X	X	0.09	0.08	0.09	2.0	
27	1.004	0.688	10	120	0.7	2.1						0.09	X	X	0.10	0.13	X	1.4	
28	1.588	1.012	23	120	0.6	0.5						0.16	X	0.24	0.25	0.22	X	1.7	
29	1.482	0.913	47	140	0.8	0.4						0.14	0.15	0.12	0.12	0.11	0.11	1.6	
30	1.168	0.932	60	160	0.6	0.3						X	X	0.13	0.12	X	0.12	1.5	
31	1.066	0.719	52	140	0.5	0.3						0.13	0.13	0.13	0.14	0.14	X	1.3	
Total	36.291	25.064																	
Avg	1.171	0.809																	
Max	1.588	1.014																	
Min	0.921	0.622																	

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.

SUBMITTED BY: Tomas Sanchez Jr. Certificate No. and Grade: WS0009456, C Date: June 10, 2016

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 Utility

PLANT NAME
OR NUMBER: Rio Bravo

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

Month: May Year: 2016

PERFORMANCE DATA

INDIVIDUAL FILTER TURBIDITY

Date	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																	
1	0.17		0.12		0.11		0.12														
2	0.18		0.12		0.14		0.10														
3	0.18		0.10		0.11		0.14														
4	0.14		0.11		0.13		0.09														
5	0.08		0.09		0.10		0.07														
6	0.06		0.07		0.07		0.06														
7	0.06		0.07		0.06		0.07														
8	0.06		0.07		0.10		0.09														
9	0.09		0.08		0.09		0.10														
10	0.12		0.07		0.10		0.10														
11	0.12		0.10		0.11		0.10														
12	0.14		0.14		0.12		0.13														
13	0.13		0.12		0.14		0.13														
14	0.11		0.17		0.14		0.15														
15	0.10		0.13		0.17		0.20														
16	0.15		0.16		0.18		0.17														
17	0.11		0.13		0.17		0.11														
18	0.23		0.13		0.20		0.13														
19	0.21		0.14		0.18		0.13														
20	0.13		0.15		0.24		0.15														
21	0.14		0.15		0.21		0.15														
22	0.12		0.14		0.16		0.16														
23	0.18		0.18		0.18		0.18														
24	0.16		0.09		0.14		0.14														
25	0.11		0.13		0.17		0.12														
26	0.12		0.23		0.08		0.12														
27	0.22		0.25		0.16		0.25														
28	0.27		0.30		0.30		0.30														
29	0.20		0.20		0.17		0.24														
30	0.17		0.15		0.19		0.17														
31	0.19		0.13		0.16		0.15														

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: TOMAS SANCHEZ JR.

Certificate No. and Grade: WS0009456, C

Date: June 10, 2016

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 Utility

PLANT NAME: Rio Bravo
OR NUMBER: _____

PWS ID No.: 2400022

Plant ID No.: 20831

Month: May

Year: 2016

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
1	FCL D1A	0.7	0.829	26.2	7.0	2.42	51.10	4.84	
	FCL D1B	0.8	0.829	26.7	6.7				
	FCL D2	0.5	0.414	25.2	7.2				
	CLA D3	1.6	0.829	26.5	6.8				
	D4								
2	FCL D1A	0.8	0.851	24.1	7.1	3.46	78.18	6.92	
	FCL D1B	0.9	0.851	24.6	7.0				
	FCL D2	1.0	0.425	24.6	7.1				
	CLA D3	2.1	0.851	24.7	7.1				
	D4								
3	FCL D1A	0.3	0.875	23.5	7.0	1.78	31.06	3.56	
	FCL D1B	0.4	0.875	23.7	7.0				
	FCL D2	0.4	0.437	23.8	7.0				
	CLA D3	2.1	0.875	24.3	7.0				
	D4								
4	FCL D1A	0.8	0.890	22.5	7.0	1.47	25.28	2.93	
	FCL D1B	1.0	0.890	22.7	7.0				
	FCL D2	0.7	0.445	2.4	7.0				
	CLA D3	2.1	0.890	23.2	7.0				
	D4								
5	FCL D1A	0.7	0.882	22.5	7.5	2.85	48.96	5.71	
	FCL D1B	0.5	0.882	22.4	7.0				
	FCL D2	0.7	0.441	23.2	7.3				
	CLA D3	4.0	0.882	25.1	7.0				
	D4								
6	FCL D1A	0.8	0.828	23.2	7.2	2.74	50.40	5.48	
	FCL D1B	0.8	0.828	24.6	7.3				
	FCL D2	0.5	0.414	24.6	7.3				
	CLA D3	3.3	0.828	25.7	7.5				
	D4								
7	FCL D1A	0.7	0.782	24.9	6.9	3.33	81.55	6.66	
	FCL D1B	0.8	0.782	24.5	6.7				
	FCL D2	0.6	0.391	24.6	7.2				
	CLA D3	3.4	0.782	25.0	6.8				
	D4								
8	FCL D1A	0.7	0.778	24.2	6.7	4.18	68.85	8.37	
	FCL D1B	0.7	0.778	24.7	6.5				
	FCL D2	0.7	0.389	24.8	6.6				
	CLA D3	3.9	0.778	24.7	6.5				
	D4								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
9	FCL D1A	0.5	0.748	24.5	6.9	3.21	53.56	6.42	
	FCL D1B	0.6	0.748	24.4	6.8				
	FCL D2	0.6	0.374	23.9	7.0				
	CLA D3	3.4	0.748	25.6	7.0				
	D4								
10	FCL D1A	0.4	0.750	26.9	6.6	3.98	77.70	7.96	
	FCL D1B	0.3	0.750	27.8	6.6				
	FCL D2	0.8	0.375	27.2	6.8				
	CLA D3	2.3	0.750	27.8	6.7				
	D4								
11	FCL D1A	0.5	0.761	26.4	7.0	2.88	46.41	5.75	
	FCL D1B	0.6	0.761	26.4	6.8				
	FCL D2	0.4	0.380	26.5	7.3				
	CLA D3	3.8	0.761	26.3	7.1				
	D4								
12	FCL D1A	0.3	0.769	26.0	6.8	1.99	32.87	3.97	
	FCL D1B	0.3	0.769	25.8	6.7				
	FCL D2	0.3	0.384	25.2	7.3				
	CLA D3	2.4	0.769	26.3	7.1				
	D4								
13	FCL D1A	0.5	0.775	28.2	6.6	4.90	99.31	9.79	
	FCL D1B	0.6	0.775	28.1	6.6				
	FCL D2	0.9	0.387	27.6	6.9				
	CLA D3	2.7	0.775	27.7	6.9				
	D4								
14	FCL D1A	0.4	0.773	26.1	6.8	3.15	49.49	6.31	
	FCL D1B	0.3	0.773	26.0	6.5				
	FCL D2	0.5	0.386	26.3	6.8				
	CLA D3	3.3	0.773	25.9	6.5				
	D4								
15	FCL D1A	0.7	0.730	26.6	6.7	3.59	70.37	7.19	
	FCL D1B	0.8	0.730	26.5	6.8				
	FCL D2	0.5	0.365	26.4	7.3				
	CLA D3	2.8	0.730	26.5	6.6				
	D4								
16	FCL D1A	0.2	0.740	26.6	6.8	1.37	20.15	2.74	
	FCL D1B	0.3	0.740	26.8	6.7				
	FCL D2	0.2	0.370	26.1	7.3				
	CLA D3	2.0	0.740	27.5	6.6				
	D4								

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

SUBMITTED BY: Tomas Sanchez Jr

Certificate No. and Grade: WS0009456, C

Date: June 10, 2016

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 Utility PLANT NAME OR NUMBER: Rio Bravo
 PWS ID No.: 2400022 Plant ID No.: 20831 Month: May Year: 2016
 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	5/18	100	3.14	2.38	24.2	25	0.97			0.97
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
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22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Avg		100.00	3.14	2.38	24.20		0.97			0.97
Max		100.00	3.14	2.38	24.20		0.97			0.97
Min		100.00	3.14	2.38	24.20		0.97			0.97

TOTAL ORGANIC CARBON (TOC) REMOVAL SUMMARY

TOC Summary					Monthly Compliance Ratio
Raw Water Alkalinity	Raw Water TOC	Treated Water TOC	TOC % Removal	ACC # used	
100	3.14	2.38	24.2	NA	0.97

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: Certificate No. and Grade: WS0009456, C Date: June 10, 2016

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