COPY

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 Utility

PLANT NAME OR NUMBER: Rio Bravo

PWS ID No.: 2400022

Plant ID No.:

Report for the Month of: September 2014

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. & Grade: WS0009456, C

Date: October 10, 2014

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	147	Number of 4-hour periods when plant was off-line:	33
Number of readings above 0.10 NTU:	14	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 readings above 0.5 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 1.0 NTU:	0		
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)

Statistical Summary

Maximum turbidity reading:	0.19 NTU	Average turbidity value:	0.08 NTU
Minimum turbidity reading:	0.04 NTU	Standard deviation:	0.023 NTU
CFE 95th percentile value:	0.12 NTU	IFE 95th percentile:	0.151 NTU

Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	13.80 (R)
		Average log inactivation for viruses:	356.01 (R)
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	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:	0

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system: 0.5 mg/L, measured as Total Chlorine

Total number of readings this month:	35 (at least 30 required) (8)		
Average disinfectant residual value:	0.63	Percentage of readings with a low residual this month:	17.1 % (6A)
Number of readings with a low residual:	6		
Number of readings with no detectable residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)

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 ○ 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.

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.)

Turbidity Data Page

PUBLIC WATER SYSTEM NAME: Webb County Water Utility

PLANT NAME OR NUMBER: Rio Bravo

PWS ID No.: 2400022 Plant ID No.: _____ Connections: 1,909

Month: September Year: 2014 Population: 6,681

PERFORMANCE DATA

Date	Raw Water Pumpage (MGD)	Treated Water Pumpage (MGD)	RAW WATER ANALYSES NTU	RAW WATER ANALYSES Alk.	SETTLED WATER TURBIDITY (Mandatory Data) Basin No. 1	2	3	4	5	6	FINISHED WATER QUALITY Combined Filter Effluent Turbidity NTU1	NTU2	NTU3	NTU4	NTU5	NTU6	Lowest Residual	Time*
1	1.224	0.567	15	120	0.4	0.5					0.06	0.06	0.05	0.05	0.06	0.08	1.4	
2	1.740	0.885	15	120	0.6	0.5					0.09	0.11	X	0.07	0.05	0.05	1.5	
3	1.229	0.570	14	120	0.6	0.6					0.06	0.05	0.05	0.06	0.06	0.05	2.0	
4	1.761	1.025	15	120	0.4	0.5					0.06	0.05	0.06	0.06	0.07	0.09	1.4	
5	1.779	0.889	16	120	0.9	0.6					0.09	X	0.08	0.07	0.08	0.09	1.4	
6	1.857	0.542	13	120	0.4	0.5					0.10	X	0.06	0.06	0.07	0.10	1.0	
7	1.815	0.907	15	120	0.5	0.5					X	X	X	0.07	0.09	0.10	1.7	
8	1.764	1.123	12	100	0.6	0.4					0.05	X	0.15	0.19	0.07	0.11	1.0	
9	1.768	1.044	12	120	0.9	0.9					0.15	0.09	0.10	0.07	0.09	0.09	1.6	
10	1.720	1.080	17	120	0.9	0.8					0.09	0.08	0.09	0.07	X	0.10	1.5	
11	1.758	1.123	13	120	0.7	0.6					0.09	0.08	0.06	0.08	0.05	0.05	2.8	
12	1.778	0.522	12	100	0.4	0.4					0.06	0.08	X	0.08	0.10	0.06	1.3	
13	1.339	0.590	11	100	0.9	0.8					0.06	X	X	0.07	0.07	0.09	1.4	
14	1.339	0.590	14	100	0.7	0.6					X	0.05	X	0.08	0.07	0.04	1.4	
15	1.285	0.601	11	120	0.7	1.1					0.04	0.04	x	0.05	0.05	0.06	2.3	
16	1.304	1.304	14	120	0.8	0.7					0.05	X	X	0.12	0.07	0.06	3.3	
17	1.596	0.573	8	100	0.7	0.6					0.07	X	X	0.05	0.05	0.08	2.0	
18	1.134	0.616	7	120	0.6	0.6					0.07	0.08	0.08	0.08	0.08	0.08	2.5	
19	1.280	0.583	13	120	0.7	0.6					0.09	X	X	0.08	0.06	0.08	1.9	
20	1.215	0.897	11	120	0.7	0.7					0.08	0.09	X	0.10	0.08	0.09	2.7	
21	1.247	0.653	11	120	0.6	0.7					0.09	0.08	X	0.08	0.09	0.09	1.8	
22	1.656	1.123	13	120	0.7	0.7					0.09	0.10	0.12	0.07	0.11	0.09	2.4	
23	1.281	0.825	10	120	0.8	0.8					0.10	0.11	0.14	0.09	0.08	0.08	2.7	
24	1.447	1.444	10	120	0.7	0.7					0.07	0.06	0.08	0.06	0.08	0.09	3.0	
25	1.658	1.370	23	120	0.6	0.7					0.09	X	X	0.10	0.08	0.09	1.7	
26	1.779	0.766	14	120	0.6	0.7					0.08	0.10	X	0.10	0.13	0.10	1.9	
27	1.785	1.342	22	120	0.7	0.9					0.10	X	X	0.11	0.10	0.10	2.2	
28	1.800	1.342	30	120	0.8	0.7					0.11	X	X	0.10	0.09	0.09	1.2	
29	1.800	1.310	20	120	1.1	0.8					0.09	X	X	0.09	0.08	0.12	1.5	
30	1.216	1.185	18	120	1.0	0.8					0.10	X	X	0.09	0.08	0.09	2.0	
31																		
Total	46.354	27.391																
Avg	1.545	0.913																
Max	1.857	1.444																
Min	1.134	0.522																

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: October 10, 2014

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.:

Month: September Year: 2014

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	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	0.07		0.08		0.07		0.09													
2	0.07		0.08		0.10		0.13													
3	0.06		0.07		0.07		0.06													
4	0.08		0.09		0.08		0.08													
5	0.08		0.10		0.09		0.11													
6	0.09		0.09		0.09		0.10													
7	0.08		0.09		0.09		0.09													
8	0.14		0.13		0.28		0.24													
9	0.11		0.13		0.15		0.14													
10	0.09		0.10		0.09		0.12													
11	0.10		0.09		0.09		0.11													
12	0.09		0.12		0.07		0.06													
13	0.09		0.08		0.11		0.10													
14	0.07		0.08		0.08		0.09													
15	0.11		0.07		0.05		0.07													
16	0.10		0.12		0.15		0.11													
17	0.08		0.08		0.08		0.10													
18	0.10		0.09		0.11		0.10													
19	0.12		0.10		0.10		0.10													
20	0.13		0.18		0.11		0.15													
21	0.08		0.09		0.11		0.12													
22	0.10		0.11		0.13		0.14													
23	0.13		0.14		0.16		0.17													
24	0.08		0.10		0.09		0.11													
25	0.13		0.11		0.13		0.12													
26	0.13		0.13		0.15		0.14													
27	0.09		0.13		0.15		0.20													
28	0.12		0.14		0.13		0.14													
29	0.09		0.09		0.12		0.10													
30	0.07		0.09		0.11		0.10													
31																				

SUMMARY & COMPLIANCE ACTIONS

Criteria	Filter No. 1	2	3	4	5	6	7	8	9	10	Plant
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: October 10, 2014

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 OR NUMBER: Rio Bravo

PWS ID No.: 2400022 **Plant ID No.:** _____ **Month:** September **Year:** 2014

DISINFECTION PROCESS PARAMETERS

APPROVED CT STUDY PARAMETERS						PERFORMANCE STANDARDS	
	Disinfection Zones					Log Inactivations	
Parameters	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Viruses
Flow Rate (MGD)	1.250	0.625	1.250	2.500		0.5	2.0
T_{10} (minutes)	7.9	21.0	18.4	32.3			

PERFORMANCE DATA

DISINFECTION PROCESS DATA

Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time*
1	FCL D1	0.8	0.612	29.1	6.9				
	FCL D2	3.0	0.306	29.0	6.8				
	CLA D3	1.4	0.612	30.0	7.7	21.44	662.91	42.88	
	FCL D4	1.4	1.224	30.0	7.7			(ok)	
	D5								
2	FCL D1	0.4	0.870	29.0	6.6				
	FCL D2	4.0	0.435	30.0	6.1				
	CLA D3	1.5	0.870	30.0	6.0	26.02	575.93	52.05	
	FCL D4	1.5	1.740	30.0	6.0			(ok)	
	D5								
3	FCL D1	1.3	0.614	29.0	6.5				
	FCL D2	5.0	0.307	29.0	6.0				
	CLA D3	2.0	0.614	29.0	5.8	40.89	892.30	81.78	
	FCL D4	2.0	1.229	29.0	5.8			(ok)	
	D5								
4	FCL D1	0.3	0.880	28.0	6.1				
	FCL D2	3.6	0.440	29.0	6.2				
	CLA D3	1.4	0.880	28.0	6.0	21.35	471.62	42.69	
	FCL D4	1.4	1.761	28.0	6.0			(ok)	
	D5								
5	FCL D1	0.3	0.889	29.0	6.6				
	FCL D2	1.4	0.444	29.0	6.5				
	CLA D3	1.4	0.889	28.0	6.7	12.13	280.68	24.26	
	FCL D4	1.4	1.779	28.0	6.7			(ok)	
	D5								
6	FCL D1	0.3	0.928	29.0	6.8				
	FCL D2	1.4	0.464	28.0	6.8				
	CLA D3	1.0	0.928	29.0	6.6	9.71	226.87	19.42	
	FCL D4	1.0	1.857	29.0	6.6			(ok)	
	D5								
7	FCL D1	0.9	0.907	29.0	6.9				
	FCL D2	3.0	0.453	28.0	6.5				
	CLA D3	1.7	0.907	29.0	6.5	18.75	460.09	37.51	
	FCL D4	1.7	1.815	29.0	6.5			(ok)	
	D5								
8	FCL D1	0.6	0.882	29.9	6.8				
	FCL D2	0.1	0.441	29.3	6.9				
	CLA D3	1.0	0.882	29.3	7.2	6.05	160.43	12.11	
	FCL D4	1.0	1.764	29.3	7.2			(ok)	
	D5								

PERFORMANCE DATA

DISINFECTION PROCESS DATA

Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time*
9	FCL D1	0.1	0.884	28.6	7.0				
	FCL D2	0.1	0.442	29.4	7.0				
	CLA D3	1.6	0.884	29.8	6.9	8.40	221.19	16.79	
	FCL D4	1.6	1.768	29.8	6.9			(ok)	
	D5								
10	FCL D1	0.3	0.860	29.4	6.9				
	FCL D2	0.1	0.430	29.3	6.9				
	CLA D3	1.5	0.860	30.0	6.8	9.09	228.18	18.18	
	FCL D4	1.5	1.720	30.0	6.8			(ok)	
	D5								
11	FCL D1	0.5	0.879	30.4	6.9				
	FCL D2	0.1	0.439	29.9	6.9				
	CLA D3	2.8	0.879	29.3	6.8	13.84	388.16	27.69	
	FCL D4	2.8	1.758	29.3	6.8			(ok)	
	D5								
12	FCL D1	0.8	0.889	28.0	6.7				
	FCL D2	0.1	0.444	28.4	6.8				
	CLA D3	1.3	0.889	29.0	6.7	8.22	193.28	16.45	
	FCL D4	1.3	1.778	29.0	6.7			(ok)	
	D5								
13	FCL D1	0.8	0.669	26.9	6.9				
	FCL D2	0.2	0.334	27.5	6.7				
	CLA D3	1.4	0.669	27.8	6.5	11.84	265.06	23.68	
	FCL D4	1.4	1.339	27.8	6.5			(ok)	
	D5								
14	FCL D1	0.4	0.669	26.5	6.6				
	FCL D2	0.1	0.334	26.8	6.8				
	CLA D3	1.4	0.669	27.0	6.6	9.86	223.73	19.71	
	FCL D4	1.4	1.339	27.0	6.6			(ok)	
	D5								
15	FCL D1	1.1	0.642	27.0	6.4				
	FCL D2	0.2	0.321	26.0	6.6				
	CLA D3	2.3	0.642	27.0	6.8	15.47	401.41	30.94	
	FCL D4	2.3	1.285	27.0	6.8			(ok)	
	D5								
16	FCL D1	0.3	0.652	26.0	6.7				
	FCL D2	0.0	0.326	26.0	6.8				
	CLA D3	3.3	0.652	26.0	6.7	16.60	468.07	33.19	
	FCL D4	3.3	1.304	26.0	6.7			(ok)	
	D5								

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:** October 10, 2014

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 Utility **PLANT NAME OR NUMBER:** Rio Bravo

PWS ID No.: 2400022 **Plant ID No.:** **Month:** September **Year:** 2014

DISINFECTION PROCESS PARAMETERS

APPROVED CT STUDY PARAMETERS						PERFORMANCE STANDARDS	
	Disinfection Zones					Log Inactivations	
Parameters	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Virus
Flow Rate (MGD)	1.250	0.625	1.250	2.500		0.5	2.0
T_{10} (minutes)	7.9	21.0	18.4	32.3			

PERFORMANCE DATA

DISINFECTION PROCESS DATA

Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
17	FCL D1	0.3	0.798	27.0	6.8				
	FCL D2	0.0	0.399	27.2	6.9				
	CLA D3	2.0	0.798	27.2	6.8	9.82	255.46	19.64	
	FCL D4	2.0	1.596	27.2	6.8			(5)	
	D5								
18	FCL D1	0.6	0.567	27.0	6.9				
	FCL D2	0.1	0.283	27.0	6.7				
	CLA D3	2.5	0.567	28.0	6.6	19.73	499.57	39.46	
	FCL D4	2.5	1.134	28.0	6.6			(5)	
	D5								
19	FCL D1	0.3	0.640	27.0	6.8				
	FCL D2	0.0	0.320	27.0	6.8				
	CLA D3	1.9	0.640	28.0	6.7	12.90	321.29	25.80	
	FCL D4	1.9	1.280	28.0	6.7			(5)	
	D5								
20	FCL D1	0.3	0.607	28.0	6.8				
	FCL D2	0.1	0.303	27.0	7.0				
	CLA D3	2.7	0.607	28.0	6.7	18.01	482.47	36.03	
	FCL D4	2.7	1.215	28.0	6.7			(5)	
	D5								
21	FCL D1	0.1	0.623	27.0	6.8				
	FCL D2	0.1	0.311	27.0	6.8				
	CLA D3	1.8	0.623	27.0	6.8	11.40	290.89	22.80	
	FCL D4	1.8	1.247	27.0	6.8			(5)	
	D5								
22	FCL D1	0.2	0.828	28.0	7.0				
	FCL D2	0.1	0.414	27.7	7.0				
	CLA D3	2.4	0.828	29.3	7.0	11.86	345.16	23.73	
	FCL D4	2.4	1.656	29.3	7.0			(5)	
	D5								
23	FCL D1	0.4	0.640	27.3	7.0				
	FCL D2	0.1	0.320	28.2	7.1				
	CLA D3	2.7	0.640	28.1	7.1	15.26	470.10	30.51	
	FCL D4	2.7	1.281	28.1	7.1			(5)	
	D5								
24	FCL D1	0.5	0.723	27.0	7.0				
	FCL D2	0.2	0.361	27.2	7.1				
	CLA D3	3.0	0.723	28.0	7.1	14.81	466.07	29.62	
	FCL D4	3.0	1.447	28.0	7.1			(5)	
	D5								

PERFORMANCE DATA

DISINFECTION PROCESS DATA

Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
25	FCL D1	0.4	0.829	27.0	7.0				
	FCL D2	0.2	0.414	28.0	7.1				
	CLA D3	1.7	0.829	28.1	7.2	8.57	246.96	17.14	
	FCL D4	1.7	1.658	28.1	7.2			(5)	
	D5								
26	FCL D1	0.5	0.889	27.0	7.1				
	FCL D2	0.2	0.444	26.7	7.1				
	CLA D3	1.9	0.889	27.8	7.2	8.27	244.63	16.54	
	FCL D4	1.9	1.779	27.8	7.2			(5)	
	D5								
27	FCL D1	0.4	0.892	25.8	7.1				
	FCL D2	0.2	0.446	26.4	7.2				
	CLA D3	2.2	0.892	27.0	7.2	8.66	262.82	17.32	
	FCL D4	2.2	1.785	27.0	7.2			(5)	
	D5								
28	FCL D1	0.5	0.900	27.0	7.1				
	FCL D2	0.2	0.450	25.7	7.2				
	CLA D3	1.2	0.900	27.0	7.2	5.61	156.58	11.23	
	FCL D4	1.2	1.800	27.0	7.2			(5)	
	D5								
29	FCL D1	0.3	0.900	26.0	7.1				
	FCL D2	0.1	0.450	26.0	7.1				
	CLA D3	1.5	0.900	27.0	7.2	6.27	177.22	12.54	
	FCL D4	1.5	1.800	27.0	7.2			(5)	
	D5								
30	FCL D1	0.3	0.608	27.0	7.6				
	FCL D2	0.1	0.304	27.0	6.8				
	CLA D3	2.0	0.608	27.0	6.8	13.07	341.06	26.14	
	FCL D4	2.0	1.216	27.0	6.8			(5)	
	D5								
31	D1								
	D2								
	D3								
	D4								
	D5								

Max	40.89	892.30
Min	5.61	156.58
Avg	13.80	356.01
SD	7.08	163.27

NOTE: The log removal credits for this plant were restricted on at least one day this month due to high free chlorine levels in one or more zones or trains.

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:** October 10, 2014

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.:

Month: September

Year: 2014

Type of treatment: [X] 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	calculated			calculated
1	9/2	120	2.74	2.57	6.2	25	0.25			0.25
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	2.74	2.57	6.20		0.25			0.25
Max		120.00	2.74	2.57	6.20		0.25			0.25
Min		120.00	2.74	2.57	6.20		0.25			0.25

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	2.74	2.57	6.2	NA	0.25

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: October 10, 2014

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

Webb County Water Utilities

Date: 9/1/14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	Rogelio Reyes	0.08	1.39	0.49	6.39	29.8c	0.06	3.0	6.50	29.0c	0.06	0.06	0.07	0.09
2AM	Rogelio Reyes	0.08	1.68	0.57	6.47	29.7c	0.07	3.2	6.52	28.9c	0.05	0.05	0.06	0.08
4AM	Rogelio Reyes	0.08	1.73	0.95	6.44	29.4c	0.06	3.7	6.51	28.9c	0.05	0.06	0.05	0.07
6AM	Rogelio Reyes	0.08	1.89	0.89	6.47	29.3c	0.04	4.5	6.48	29.0c	0.05	0.05	0.04	0.05
8AM	Jesse.	0.06	1.8	.55	7.7	28	0.05	4.9	6.7	29	0.05	0.05	0.06	0.05
10AM	Jesse.	.06	1.5	.61	7.7	28	0.05	4.4	6.7	29	0.05	0.05	0.06	0.05
12PM	Jesse.	.06	1.5	66	7.7	28	.05	4.3	6.7	29	0.06	.06	.06	.05
2PM	Jesse.	.06	1.5	.54	7.7	29	.07	4.0	6.8	29	0.06	.07	.06	.06
4PM	Jesse	.06	1.5	.50	7.7	29	.06	4.2	6.8	29	.07	.07	.06	.05
6PM	Jesse.	.07	1.4	.71	5.6	30	.06	4.2	5.8	29	.05	.06	.05	.07
8PM	[illegible]	.07	1.89	.76	5.8	29	.08	4.4	5.9	29	.06	.08	.06	.09
10PM	[illegible]	.07	1.92	.51	5.9	29	.05	4.1	5.8	29	.05	.06	.05	.05

Clarifiers

Clarifier #1					Clarifier #2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	0.37	0.80	29.0c	6.58	12AM	0.50	0.78	29.1c	6.60
6AM	0.32	0.86	29.0c	6.60	6AM	0.47	0.88	28.8c	6.62
12PM	.34	.93	29	6.9	12PM	.43	.92	29	6.9
6PM	.37	.84	29	6.9	6PM	.43	.89	29	6.9

Raw Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	10.2	120	29.2c	7.98	850
6AM	10.3	120	28.7c	7.76	850
12PM	13.2	120	29	7.9	846
6PM	15.3	120	29	7.9	847

Treated Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	0.08	80	29.8c	6.39	380
6AM	0.08	80	29.3c	6.47	380
12PM	.06	80	28	7.7	386
6PM	.07	80	30	5.6	394

Webb County Water Utilities

Date: 9/2/14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	[illegible]	.08	1.95	.85	6.0	29	.09	4.00	6.1	29	.05	.07	.08	.06
2AM	[illegible]	.07	1.98	.88	5.8	29	.12	4.13	6.9	29	.05	.08	.10	.13
4AM	[illegible]	.09	1.85	.63	5.9	29	.13	4.1	6.0	29	.06	.08	.09	.11
6AM	[illegible]	.10	1.70	.45	5.9	29	.14	4.1	6.0	29	.07	.08	.09	.10
8AM	Jesse	.10	1.5	.43	5.9	29	—	—	—	—	—	—	—	—
10AM	Jesse	.11	1.7	.56	5.9	29	.07	4.4	5.9	29	.05	.06	.08	.07
12PM	Jesse	.10	1.8	.52	5.9	29	.07	4.2	5.9	29	.06	.05	.08	.07
2PM	Jesse	.08	1.7	.74	5.8	30	.08	4.3	6.0	30	.06	.05	.07	.08
4PM	Jesse	.09	1.7	.58	5.7	30	.05	4.8	5.8	29	~~.06~~ .05	.10	.05	.06
6PM	Jesse	.09	1.7	.77	5.8	30	.05	4.9	5.8	29	.04	.07	.05	.06
8PM	[illegible]	.09	1.9	.61	5.8	29	.05	4.9	5.9	29	.05	.06	.05	.06
10PM	[illegible]	.08	2.04	.63	5.8	29	.06	5.4	5.9	29	.05	.06	.05	.06

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	.39	.79	29	5.9	12AM	.48	.89	29	6.1
6AM	.55	.40	29	6.1	6AM	.38	.45	29	6.1
12PM	.31	.61	29	6.4	12PM	.35	.52	29	6.5
6PM					6PM				

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	15.1	120	29	6.9	1209
6AM	9.83	120	29	7.2	1196
12PM	15.2	120	29	7.0	1189
6PM					

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	.08	120	29	6.0	615
6AM	.10	80	29	5.9	385
12PM	.10	80	29	5.9	
6PM	~~.08~~	~~120~~	~~29~~	~~6.0~~	~~615~~

Webb County Water Utilities

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Date: 9/~~1~~13/14

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	Jose A. Vargas	.08	2.0	.65	5.8	29°	.06	5.4	5.9	29°	.05	.07	.05	.06
2AM	↓	.08	2.5	.79	5.8	29°	.05	5.7	5.9	29°	.05	.05	.06	.05
4AM		.08	3.6	.55	5.8	29°	.05	6.3	5.9	29°	.04	.05	.05	.05
6AM	Jose A Vargas	.07	3.7	.33	5.8	29°	.04	7.6	6.0	29°	.04	.05	.04	.05
8AM	Jesse.	.12	3.3	.88	5.7	28	.05	5.9	5.9	27	.05	.06	.05	.06
10AM	Jesse	.06	3.4	.55	5.7	29	.06	5.9	5.9	28	.05	.05	.06	.05
12PM	Jesse.	.09	3.0	.51	5.8	29	.06	5.2	5.9	28	.06	.05	.06	.06
2PM	Jesse.	.08	2.10	.54	5.8	29	.05	5.1	5.9	29	.05	.07	.07	.05
4PM	Jesse	.08	3.2	.36	5.7	29	.06	5.0	5.8	29	.05	.05	.07	.05
6PM		.08	3.5	~~.12~~ .33	5.7	28	.05	5.7	5.8	27	.05	.06	.05	.05
8PM	Jose A V.	.10	3.1	.23	5.7	28°	.05	6.1	5.8	27	.05	.05	.05	.05
10PM	JA V.	.13	3.6	.26	5.7	28°	.06	5.8	5.8	28°	.05	.06	.05	.05

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	.61	1.7	29°	6.3	12AM	.57	1.3	29°	6.5
6AM	.35	1.60	28°	5.9	6AM	.57	1.39	28°	6.0
12PM	.42	1.34	29	5.7	12PM	.53	1.4	29	5.7
6PM	.39	1.38	29	5.9	6PM	.50	1.5	29	5.9

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	10.9	120	29°	7.2	846
6AM	10.9	120	29°	7.1	833
12PM	11.1	120	29	7.1	854
6PM	13.8	120	29	7.7	845

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	.08	80	29°	5.8	382
6AM	.07	80	29°	5.8	396
12PM	.09	80	29	5.8	370
6PM	.08	80	28	5.7	380

Webb County Water Utilities

Date: 9/4/14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	[illegible]	.12	3.5	.29	5.7	28	.06	5.6	5.8	28	.05	.05	.06	.05
2AM		.09	3.3	.28	5.7	28	.05	5.7	5.8	28	.05	.05	.05	.05
4AM		.09	2.9	.23	5.8	28	.05	6.1	5.9	28	.05	.05	.05	.05
6AM	[illegible]	.09	2.2	.20	5.9	28	.04	6.7	6.0	28	.04	.05	.04	.05
8AM	Jesse	.07	2.0	.34	5.9	28	.06	3.6	6.0	25	.05	.05	.05	.07
10AM	Jesse	.08	1.4	.37	5.6	27	.06	5.0	6.0	28	.04	.06	.06	.07
12PM	Jesse	.09	1.6	1.3	6.0	28	.06	5.3	6.0	29	.05	.05	.05	.06
2PM	Jesse	.07	3.5	1.9	5.9	27	.06	5.4	6.1	29	.05	.05	.05	.07
4PM	Jesse	.08	4.1	2.1	6.0	28	.07	5.3	6.2	29	.06	.06	.05	.05
6PM	Jesse	.07	4.9	2.1	5.8	28	.07	4.1	6.2	27	.07	.05	.08	.08
8PM	Joe A V.	.09	3.8	1.8	5.8	28	.09	3.7	6.1	27	.08	.09	.07	.08
10PM	Joe A V.	.08	4.4	2.0	5.8	28	.08	4.0	6.0	27	.08	.08	.07	.08

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	.38	1.25	28	5.9	12AM	.51	1.3	28	6.0
6AM	.31	1.58	28	6.1	6AM	.35	1.41	28	6.0
12PM	.42	.98	28	6.1	12PM	.40	.33	.28	6.0
6PM					6PM				

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	10.8	120	28	8.0	857
6AM	10.7	120	28	7.9	853
12PM	13.1	120	28	7.9	1210
6PM	14.8	120	29	7.9	1223

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	.12	80	28	5.7	712
6AM	.09	80	28	5.9	381
12PM	.09	80	28	6.0	
6PM	.07	80	28	5.8	

Webb County Water Utilities

Date: 9/5/14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	[illegible]	.11	2.2	1.3	6.1	28	.09	1.36	6.0	28	.08	.06	.07	.08
2AM	[illegible]	.09	2.0	.87	6.2	27	off	—	—	—	—	—	—	off
4AM	[illegible]	.08	1.8	.85	6.2	27	off	—	—	—	—	—	—	off
6AM	[illegible]	.08	1.9	.81	6.2	27	off	—	—	—	—	—	—	off
8AM	Jesse	.08	1.9	.64	6.2	27	.08	1.4	6.0	29	.07	.06	.08	.07
10AM	Jesse	.08	1.37	.41	6.2	27	.07	2.1	6.3	27	.06	.05	.07	.08
12PM	Jesse	.08	1.5	.58	6.3	28	.07	3.7	6.5	29	.05	.06	.08	.08
2PM	Jesse	.08	1.8	.74	6.3	29	.07	4.4	6.4	29	.05	.05	.09	.08
4PM	Jesse	.08	1.6	.70	6.2	28	.08	4.6	6.4	28	.06	.06	.09	.09
6PM	Jesse	.08	1.4	.72	6.2	28	.09	4.5	6.3	27	.05	.07	.08	.09
8PM	[illegible]	.08	1.46	.70	6.2	28	.09	3.5	6.2	27	.07	.08	.08	.09
10PM	[illegible]	.08	1.42	.65	6.4	28	.11	3.0	6.2	27	.08	.10	.09	.11

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	.96	.36	28	6.0	12AM	.40	.39	28	6.1
6AM	off	—	—	—	6AM	—	—	—	off
12PM	.53	.30	28	6.4	12PM	.57	.43	28	6.6
6PM	.42	.41	29	6.4	6PM	.48	.33	29	6.6

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	17.8	120	29	7.9	1236
6AM	off	—	—	—	off
12PM	16.3	120	29	8.0	1189
6PM	13.1	120	29	8.0	1190

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	.11	80	28	6.1	615
6AM	.08	80	27	6.2	408
12PM	.08	80	28	6.3	380
6PM	.08	80	28	6.2	390

Webb County Water Utilities

Date: 9/6/14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	GA Vasquez	.11	1.41	.68	6.6	28	.10	3.5	6.2	28	.09	.08	.09	.10
2AM		.10	.96	.56	6.3	28	OFF							OFF
4AM		.10	.88	.44	6.3	27	OFF							OFF
6AM	GA Vas	.11	.99	.39	6.3	27	OFF							OFF
8AM	Jesse.	.09	1.1	.43	6.3	28	.06	3.6	6.3	27	.06	.05	.07	.06
10AM	Jesse.	.09	1.3	.69	6.3	28	.05	3.7	6.5	26	.06	.06	.07	.06
12PM	Jesse.	.09	1.3	.53	6.3	29	.06	3.8	6.4	27	.05	.07	.06	.07
2PM	Jesse.	.08	1.4	.41	6.3	29	.06	3.7	6.7	27	.05	.06	.06	.06
4PM	Jesse.	.11	1.2	.58	6.3	28	.07	2.3	6.8	28	.05	.08	.07	.06
6PM	Jesse.	.10	1.3	.71	6.2	28	.09	1.4	6.8	28	.07	.08	.07	.06
8PM	GA Vas	.10	2.14	.89	6.2	28	.10	5.4	6.8	28	.07	.09	.08	.10
10PM	GA Vas	.10	2.4	1.3	6.3	27	.06	3.9	6.4	28	.06	.07	.06	.06

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP.(F)	pH	TIME	NTU'S	CL2 (Free)	TEMP.(F)	pH
12AM	.39	.32	28	6.2	12AM	.39	3.2	28	6.3
6AM	OFF				6AM				OFF
12PM	.41	.49	28	6.6	12PM	.43	.45	28	6.8
6PM	.42	.41	29	6.4	6PM	.48	.33	29	6.6

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	10.36	120	28	7.9	1290
6AM	OFF				OFF
12PM	13.1	120	28	7.9	1241
6PM	10.9	120	29	8.0	1281

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	.11	80	28	6.6	377
6AM	.11	80	27	6.3	363
12PM	.09	80	29	6.3	371
6PM					

Webb County Water Utilities

Date: 9/7/14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	[illegible]	.10	2.2	1.3	6.4	27	OFF	—	—	—	—	—	—	OFF
2AM	[illegible]	.10	2.0	1.4	6.5	27	OFF	—	—	—	—	—	—	OFF
4AM	[illegible]	.10	1.86	1.4	6.5	27	OFF	—	—	—	—	—	—	OFF
6AM	[illegible]	.10	1.69	1.4	6.5	27	OFF	—	—	—	—	—	—	OFF
8AM	Jesse	.09	1.8	1.5	6.5	28	OFF	—	—	—	—	—	—	OFF
10AM	Jesse	.09	2.2	1.8	6.4	28	.08	3.0	6.4	28	.06	.06	.08	.09
12PM	Jesse	.08	3.7	1.9	6.4	29	.07	3.3	6.5	28	.06	.06	.09	.07
2PM	Jesse	.10	.33	2.2	6.4	29	.07	3.7	6.5	28	.07	.06	.08	.07
4PM	Jesse	.09	3.0	2.6	6.4	29	.09	3.7	6.5	28	.07	.06	.08	.08
6PM	Jesse	.09	2.8	1.9	6.4	29	.10	3.9	6.5	28	.06	.06	.08	.08
8PM	[illegible]	.10	2.4	1.8	6.4	29	.10	4.1	6.5	28	.08	.09	.07	.08
10PM	[illegible]	.09	2.1	1.8	6.5	28	.05	5.9	6.5	28	.06	.06	.05	.05

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	OFF	—	—	—	12AM	—	—	—	OFF
6AM	OFF	—	—	—	6AM	—	—	—	OFF
12PM	.43	.94	29	6.8	12PM	.47	.94	29	6.6
6PM	.52		29	6.9	6PM	.51		29	6.9

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	OFF	—	—	—	OFF
6AM	OFF	—	—	—	OFF
12PM	14.8	120	28	7.9	1261
6PM	11.1	120	29	8.1	922

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	.10	80	27	6.4	OFF
6AM	.10	80	27	6.5	OFF
12PM	.08	80	29	6.4	630
6PM	.09	80	29	6.4	418

Webb County Water Utilities

Date: 9/8/14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	JAV.	.09	1.78	.73	6.3	28	.05	3.2	6.5	28	.05	.05	.06	.05
2AM		.10	~~1.4~~ 1.15	~~1.4~~ .69	6.3	28	OFF	—	—	—	—	—	—	OFF
4AM		.10	1.09	.69	6.3	28	OFF	—	—	—	—	—	—	OFF
6AM	JAV.	.10	1.02	.70	6.2	28	OFF	—	—	—	—	—	—	OFF
8AM	Rogelio Reyes	0.15	1.12	0.42	6.60	28.4c	0.15	2.3	6.92	28.2c	0.09	0.10	0.09	0.11
10AM	Rogelio Reyes	0.11	1.20	0.24	6.53	28.6c	0.10	2.20	6.87	28.5c	0.07	0.08	0.07	0.09
12PM	Rogelio Reyes	0.16	1.02	0.16	6.75	28.7c	0.19	2.3	6.80	28.4c	0.13	0.12	0.19	0.24
2PM	Rogelio Reyes	0.29	1.52	0.19	6.64	29.6c	0.30	2.5	6.82	29.2c	0.14	0.12	0.28	0.22
4PM	Rogelio Reyes	0.29	1.00	0.20	6.63	29.3c	0.07	0.20	6.65	29.1c	0.06	0.06	0.08	0.11
6PM	Rogelio Reyes	0.29	1.23	0.34	6.59	29.3c	0.08	0.12	6.62	29.3c	0.06	0.07	0.07	0.10
8PM	JAV.	.22	1.16	.63	7.2	28.	0.11	.39	7.0	28	.09	.10	.07	.09
10PM	JAV.	.18	2.88	1.76	6.3	28	.14	.41	6.5	28	.11	.13	.09	.11

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	OFF	—	—	—	~~12AM~~	—	—	—	OFF
6AM	OFF	—	—	—	~~6AM~~	—	—	—	OFF
12PM	0.52	0.82	29.0c	6.74	12PM	0.39	0.80	29.1c	6.78
6PM	0.59	0.65	29.8c	6.68	6PM	0.41	0.64	29.9c	6.68

Raw Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	OFF	—	—	—	OFF
6AM	OFF	—	—	—	OFF
12PM	11.8	100	28.8c	8.08	1198
6PM	11.4	100	30.1c	8.01	1225

Treated Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	.10	80	28	6.2	499
6AM	.10	80	28	6.3	
12PM	0.16	80	28.7c	6.75	410
6PM	0.29	80	29.3c	6.59	780

Webb County Water Utilities

Date: 9/9/14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	[illegible]	.15	3.9	2.7	6.5	27	.15	0.11	6.7	28	.11	.13	.15	.14
2AM		.19	3.7	2.0	6.5	27	.09	.09	6.9	28	.08	.07	.08	.09
4AM		.20	3.5	2.9	6.6	27	.09	.10	6.9	27	.10	.08	.08	.08
6AM	[illegible]	.20	3.3	2.9	6.7	28	.09	.11	6.9	27	.10	.09	.08	.08
8AM	Rogelio Reyes	0.16	1.57	1.09	6.94	28.2c	0.10	0.10	6.97	27.9c	0.09	0.08	0.09	0.08
10AM	Rogelio Reyes	0.15	1.91	1.38	6.78	28.9c	0.08	0.13	6.90	28.4c	0.08	0.08	0.07	0.08
12PM	Rogelio Reyes	0.12	2.3	2.09	6.77	29.3c	0.07	0.14	6.89	28.6c	0.07	0.07	0.06	0.08
2PM	Rogelio Reyes	0.14	2.8	2.4	6.73	29.6c	0.08	0.15	6.87	29.4c	0.08	0.06	0.07	0.08
4PM	Rogelio Reyes	0.12	3.2	2.8	6.75	29.7c	0.09	0.12	6.89	29.2c	0.09	0.08	0.08	0.09
6PM	Rogelio Reyes	0.13	4.7	3.8	6.73	29.8c	0.08	0.13	6.83	29.1c	0.08	0.08	0.07	0.09
8PM	Jesse	.15	3.4	3.0	6.6	28	.09	.14	6.8	29	.08	.09	.07	.09
10PM	Jesse	.16	2.9	2.6	6.8	28	.09	.15	6.8	29	.08	.08	.08	.10

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	4.5	.56	28	6.6	12AM	.39	.75	28	6.5
6AM	.49	.14	28	6.8	6AM	.50	.13	28	6.7
12PM	0.42	0.21	28.5c	6.98	12PM	0.38	0.22	28.5c	6.95
6PM	0.89	0.26	28.6c	6.88	6PM	0.92	0.24	28.5c	6.84

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	11.5	120	28	8.0	1211
6AM	11.2	120	28	9.4	1228
12PM	7.72	100	28.9c	8.18	1205
6PM	7.43	100	29.2c	8.10	1215

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	.15	80	27	6.5	427
6AM	.20	80	28	6.7	396
12PM	~~.20~~ 0.12	~~80~~ 80	~~28~~ 29.3c	6.77	725
6PM	0.13	80	29.8c	6.73	380

Webb County Water Utilities

Date: 9-10-14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	Jesse	.15	2.0	3.6	6.7	28	.09	.15	6.8	28	.08	.08	.07	.11
2AM	Jesse	.13	1.8	2.2	6.8	28	.08	.14	6.8	28	.07	.07	.06	.11
4AM	Jesse	.12	1.5	1.1	6.8	28	.08	.12	6.8	27	.07	.07	.07	.12
6AM	Jesse	.11	1.7	1.3	6.8	28	.07	.10	6.8	29	.07	.08	.07	.11
8AM	Rogelio Reyes	0.18	1.74	0.78	6.83	28.2c	0.09	0.11	6.88	27.8c	0.08	0.10	0.09	0.12
10AM	Rogelio Reyes	0.12	2.09	0.88	6.63	28.9c	0.07	0.13	6.81	28.0c	0.07	0.06	0.06	0.09
12PM	Rogelio Reyes	0.10	2.16	1.14	6.82	29.7c	0.07	0.10	6.82	28.2c	0.08	0.06	0.07	0.08
2PM	Rogelio Reyes	0.10	2.20	1.19	6.68	29.9c	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
4PM	Rogelio Reyes	0.10	2.3	1.30	6.74	29.9c	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
6PM	Rogelio Reyes	0.12	2.02	1.54	6.75	30.0c	0.10	0.14	6.77	29.3c	0.08	0.09	0.09	0.10
8PM	Jesse	.12	2.8	2.5	6.6	29	.10	.13	6.7	29	.09	.08	.08	.09
10PM	Jesse	.09	3.6	3.0	6.6	29	.09	.16	6.7	29	.08	.08	.08	.10

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	.69	.33	28	6.9	12AM	.78	.35	28	6.9
6AM	.63	.39	28	6.9	6AM	.71	.36	28	6.9
12PM	0.82	0.38	29.4c	6.86	12PM	0.68	0.39	29.4c	6.84
6PM	0.89	0.41	29.3c	6.79	6PM	0.82	0.38	29.4c	6.81

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	11.3	120	29	8.0	
6AM	9.10	120	29	8.0	
12PM	10.2	100	29.9c	7.92	1180
6PM	16.8	100	30.1c	7.95	1195

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	.15	80	28	6.7	
6AM	.11	80	28	6.8	
12PM	0.10	80	29.7c	6.82	398
6PM	0.12	80	30.0c	6.75	750

Webb County Water Utilities

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Date: 9-11-14

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	Jesse	.09	2.8	2.8	6.6	29	.09	.10	6.7	29	.08	.09	.08	.10
2AM	Jesse	.09	3.0	2.2	6.5	29	.10	.17	6.7	29	.08	.08	.09	.11
4AM	Jesse	.10	2.5	2.7	6.5	28	.08	.14	6.8	29	.09	.08	.08	.10
6AM	Jesse	.10	3.3	3.0	6.5	28	.10	.15	6.9	29	.09	.08	.08	.09
8AM	Rogelio Reyes	0.12	3.8	3.5	6.52	28.5c	0.06	0.18	6.82	28.1c	0.07	0.07	0.07	0.08
10AM	Rogelio Reyes	0.12	4.4	3.9	6.52	29.0c	0.08	0.17	6.79	28.3c	0.10	0.08	0.06	0.08
12PM	[illegible]	0.11	5.2	4.1	6.81	29.6	0.08	0.15	6.88	29.9°	0.09	0.07	0.07	0.08
2PM	[illegible]	0.09	5.1	4.0	6.78	29.5°	0.05	0.16	6.82	29.1°	0.07	0.08	0.06	0.04
4PM	[illegible]	0.13	4.6	3.3	6.55	29.1°	0.05	0.15	6.77	29.1°	0.06	0.05	0.05	0.05
6PM	Rogelio Reyes	0.09	4.7	3.2	6.56	29.3c	0.05	0.13	6.75	29.4c	0.06	0.05	0.05	0.05
8PM	Rafael	0.09	3.1	1.6	6.4	28	0.05	0.40	6.6	29	0.06	0.07	0.05	0.04
10PM	Rafael	0.08	3.0	1.3	6.2	29	0.05	0.29	6.5	28	0.07	0.05	0.06	0.05

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	.69	.53	29	6.8	12AM	.58	.49	29	6.9
6AM	.41	.61	29	6.9	6AM	.55	.58	29	6.9
12PM	0.49	0.50	30°	6.93	12PM	0.59	0.49	30.1°	6.89
6PM	0.45	0.52	30.4c	6.80	6PM	0.54	0.47	30.2c	6.88

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	12.8	120	29	7.9	1220
6AM	8.7	120	30	8.0	1221
12PM	10.8	120	29.9°	7.6	881
6PM	7.53	120	30.3c		885

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	.09	80	29	6.6	760
6AM	.10	80	28	6.5	391
12PM	0.11	80	29.6	6.81	428
6PM	0.09	80	29.3c	6.56	780

Webb County Water Utilities

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Date: 9-12-14

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	R. Feel	0.13	2.9	1.5	6.4	27	0.06	0.52	6.6	27	0.07	0.07	0.07	0.06
2AM	R. Feel	0.08	2.5	1.4	6.3	28	0.08	0.25	6.5	28	0.08	0.11	0.07	0.05
4AM	R. Feel	0.08	2.2	1.2	6.4	28	0.08	0.29	6.5	28	0.09	0.12	0.06	0.08
6AM	R. Feel	0.07	2.0	1.1	6.3	28	0.08	0.27	6.4	28	0.09	0.12	0.06	0.06
8AM	Angelio Reyes	0.09	1.30	0.69	6.42	28.7c	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
10AM	Angelio Reyes	0.08	1.65	1.17	6.42	29.0c	0.08	0.09	6.73	28.7c	0.08	0.11	0.05	0.06
12PM	[illegible]	0.09	1.90	1.21	6.69	28.4°	0.08	0.09	6.26	27.0°	0.09	0.10	0.06	0.06
2PM	[illegible]	0.09	2.09	1.30	6.70	26.3°	0.08	0.11	6.81	26.8°	0.08	0.09	0.06	0.05
4PM	[illegible]	0.11	3.01	2.10	6.42	28.7	0.10	0.10	6.67	28.4	0.07	0.10	0.10	0.05
6PM	R. Feel	0.10	3.2	1.5	6.3	28	0.06	0.25	6.5	27	0.08	0.09	0.06	0.06
8PM	R. Feel	0.10	3.2	1.4	6.4	27	0.06	0.22	6.6	27	0.07	0.08	0.06	0.05
10PM	R. Feel	0.12	3.2	1.4	6.2	28	0.06	0.25	6.3	28	0.07	0.08	0.06	0.06

Clarifiers

Clarifier #1					Clarifier #2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	0.39	1.0	28	6.4	12AM	0.35	1.0	27	6.4
6AM	0.37	0.80	28	6.4	6AM	0.34	0.80	28	6.4
12PM	0.44	0.77	26.9	6.71	12PM	0.39	0.65	26.7	6.73
6PM	0.34	1.1	27	6.3	6PM	0.40	0.95	27	6.3

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	12	100	26	8.2	1235
6AM	9	100	26	7.4	0
12PM	9.28	100	26.1	7.7	881
6PM	10	100	27	7.5	882

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	0.13	60	27	6.4	0
6AM	0.07	60	28	6.4	0
12PM	0.09	80	26.3	6.70	363
6PM	0.10	80	28	6.3	313

Webb County Water Utilities

Date: 9-13-14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	R.Ferl	0.11	2.7	1.4	6.4	22	0.06	0.28	6.4	27	0.06	0.08	0.06	0.06
2AM	R.Ferl	0.12	3.3	1.2	6.4	27	0.06	0.35	6.3	26	0.06	0.08	0.07	0.06
4AM	R.Ferl	0.10	2.5	0.88	6.4	27	Plant		shut	down	—			
6AM	R.Ferl	0.09	1.4	0.90	6.2	27	Plant		shut	down	—			
8AM	Rogelio Reyes	0.09	1.80	0.96	6.41	27.8c	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
10AM	Rogelio Reyes	0.09	2.18	0.65	6.34	27.6c	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
12PM	Rogelio Reyes	0.09	2.5	0.62	6.39	27.6c	0.07	0.24	6.40	26.6c	0.06	0.05	0.05	0.07
2PM	Rogelio Reyes	0.09	3.1	0.67	6.46	27.7c	0.07	0.21	6.38	26.8c	0.06	0.06	0.05	0.07
4PM	Rogelio Reyes	0.09	3.0	0.93	6.48	27.5c	0.07	0.26	6.59	27.3c	0.06	0.06	Backwashing	
6PM	Rogelio Reyes	0.11	3.2	1.06	6.47	27.4c	0.08	0.28	6.71	27.5c	0.05	0.06	0.11	0.10
8PM	R.Ferl	0.10	3.2	0.79	6.5	26	0.09	0.42	6.5	26	0.09	0.06	0.07	0.08
10PM	R.Ferl	0.09	3.2	0.61	6.5	26	Plant	OFF	—	—	—	—	—	—

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	0.41	1.0	28	6.3	12AM	0.43	0.96	28	6.3
6AM	Shut	down	Plant	—	6AM	—	—	—	—
12PM	0.44	0.88	26.8c	6.37	12PM	0.42	0.84	26.9c	6.37
6PM	0.93	1.20	26.3c	6.83	6PM	0.75	1.21	26.2c	6.85

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	10	100	26	7.7	901
6AM	Plant	shut	down	—	0
12PM	10.5	100	24.7c	7.64	930
6PM	10.4	100	25.7c	7.83	920

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	0.11	80	27	6.4	389
6AM	0.09	80	27	6.2	0
12PM	0.09	80	27.6c	6.39	398
6PM	0.11	80	27.4c	6.47	410

Webb County Water Utilities

Date: 9-14-14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	R. Ford	0.10	3.0	0.62	6.5	26	Plant	shut	down	—				
2AM	R. Ford	0.11	3.2	0.45	6.4	26	0.05	0.28	6.6	26	0.05	0.06	0.08	0.07
4AM	R. Ford	0.11	1.5	0.23	6.5	26	0.05	0.30			0.05	0.05	0.06	0.07
6AM	R. Ford	0.12	1.4	0.47	6.4	26	Plant	shut	down	—	—	—	—	—
8AM	Rogelio Reyes	0.13	1.74	1.15	6.45	26.1c	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
10AM	Rogelio Reyes	0.12	1.90	1.30	6.47	26.1c	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
12PM	Rogelio Reyes	0.13	2.10	1.08	6.50	26.2c	0.08	0.38	6.67	26.3c	0.07	0.08	0.08	0.09
2PM	Rogelio Reyes	0.11	2.16	1.01	6.58	26.1c	0.07	0.32	6.64	26.0c	0.06	0.06	0.06	0.07
4PM	Rogelio Reyes	0.10	3.2	0.48	6.48	26.5c	0.07	0.07	6.80	26.8c	0.07	0.06	0.06	0.06
6PM	Rogelio Reyes	0.14	3.3	0.46	6.55	27.0c	0.07	0.09	6.71	26.7c	0.07	0.06	0.06	0.06
8PM	R. Ford	0.07	3.7	0.49	6.4	25	0.04	0.24	6.7	26	0.05	0.04	0.05	0.05
10PM	R. Ford	0.07	3.9	0.57	6.5	25	0.05	0.26	6.7	25	0.05	0.05	0.06	0.06

Clarifiers

Clarifier #1					Clarifier #2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	Plant shut down		—	—	12AM	Plant	shut	down	—
6AM	Plant	shut	down	—	6AM	Plant	shut	down	—
12PM	0.53	0.96	26.1c	6.61	12PM	0.55	0.97	26.0c	6.60
6PM	0.68	0.37	26.5c	6.60	6PM	0.63	0.35	26.4c	6.61

Raw Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	Plant shut	down —			
6AM	Plant shut	down	—	—	—
12PM	14.1	100	25.7c	7.76	930
6PM	10.2	100	25.4c	7.53	930

Treated Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	0.10	60	26	6.5	0
6AM	0.12	60	26	6.4	0
12PM	0.13	60	26.2c	6.50	410
6PM	0.11	60	26.5c	6.48	410

Webb County Water Utilities

Date: 9-15-14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	R. Ford	0.08	2.8	0.41	6.4	25	0.04	0.25	6.4	26	0.05	0.05	0.05	0.06
2AM	R. Ford	0.07	2.8	0.36	6.7	25	0.05	0.23	6.5	25	0.05	0.05	0.05	0.05
4AM	R. Ford	0.07	2.5	0.31	6.8	26	0.04	0.19	6.5	25	0.05	0.05	0.05	0.05
6AM	R. Ford	0.09	2.3	0.27	6.8	26	Plant	shut	down					
8AM	Joe A. V.	.07	2.7	.87	6.5	25	OFF							OFF
10AM		.07	2.8	.14	6.5	26	OFF							OFF
12PM		.08	3.7	.30	6.4	27	.05	.23	6.5	26	.05	.05	.05	.05
2PM		.08	4.0	.43	6.4	26	.05	.33	6.5	26	.04	.04	.05	.04
4PM		.07	4.0	.42	6.4	26	.05	.30	6.5	26	.04	.04	.05	.05
6PM	Gilberto	.07	4.1	.90	6.4	26	0.06	.15	6.5	25	.11	.04	.05	.04
8PM	R. Ford	0.10	4.0	1.4	6.1	26	0.06	0.32	6.5	26	0.08	0.04	0.04	0.07
10PM	R. Ford	0.10	4.4	1.3	6.3	25	0.04	0.26	6.6	25	0.05	0.07	0.05	0.04

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	0.601	0.86	26	6.3	12AM	0.53	0.63	26	6.2
6AM	Plant	shut down			6AM				
12PM	.52	.58	27	6.3	12PM	.51	.67	27	6.4
6PM	.65	1.36	26	6.3	6PM	1.07	.76	26	6.3

Raw Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	11	120	25	7.4	893
6AM	Plant shut	down			
12PM	11.3	100	27	7.7	863
6PM	9.03	100	27	7.5	832

Treated Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	0.08	60	25	6.4	406
6AM	0.09	60	26	6.8	0
12PM	~~11.3~~ .08	~~60~~ 60	27	6.4	413
6PM	.07	60	26	6.4	418

Webb County Water Utilities

Date: 9-16-14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	R.Fuel	0.08	4.4	1.5	6.4	25	.05	0.29	6.6	25	0.05	0.04	0.04	0.07
2AM	R.Fuel	0.07	4.3	1.4	6.3	26	.05	0.33	6.6	25	0.04	0.04	0.05	0.06
4AM	R.Fuel	0.09	4.8	1.8	6.3	26	Plant OFF							
6AM	R.Fuel	0.07	4.8	1.7	6.4	26	Plant OFF							
8AM	Joe A.V.	.12	4.7	1.4	6.3	26	OFF							OFF
10AM		.09	4.8	1.8	6.3	26	.14	.43	6.5	26	.05	.12	.15	.09
12PM		.09	3.6	1.3	6.3	26	.12	.39	6.5	26	.10	.08	.10	.11
2PM		.06	3.5	.96	6.4	26	.07	.15	6.6	26	.08	.06	.07	.08
4PM		.07	3.4	.80	6.6	26	.07	0.00	6.8	26	.07	.06	.06	.08
6PM	Joe A.V.	.07	3.3	.62	6.6	26	.06	0.03	6.6	26	.05	.05	.07	.07
8PM	R.Fuel	0.07	3.4	0.48	6.7	26	.06	0.20	6.8	25	0.05	0.08	0.07	0.10
10PM	R.Fuel	0.07	3.3	0.47	6.7	26	0.08	0.26	6.8	25	0.10	0.08	0.07	0.08

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	0.80	1.3	25	6.5	12AM	0.57	1.0	25	6.5
6AM	0.83	Plant off			6AM	[illegible]	Plant off		
12PM	.79	.46	26	6.4	12PM	.74	.39	26	6.5
6PM	.51	.26	25	6.6	6PM	.66	.24	25	6.7

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	6	120	23	7.8	893
6AM	Plant off				
12PM	12.9	120	26	7.8	887
6PM	11.01	120	26	7.8	906

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	0.08	60	25	6.4	402
6AM	0.07	60	26	6.4	389
12PM	.09	60	26	6.3	396
6PM	.07	60	26	6.6	906

Webb County Water Utilities

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Date: 9-17-14

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	R. Ford	0.08	3.2	0.38	6.7	26	0.07	0.20	6.9	25	0.07	0.08	0.08	0.10
2AM	R. Ford	0.08	3.1	0.47	6.7	26	0.06	0.20	6.9	25	0.06	0.06	0.08	0.07
4AM	R. Ford	0.09	3.0	0.45	6.3	26	Plant	is	OFF					
6AM	R. Ford	0.09	2.2	0.24	6.6	25	Plant	is	OFF					
8AM	J.A.V.	.08	2.0	.67	6.3	26	OFF							OFF
10AM	↓	.09	2.8	0.67	6.3	26	.08	0.00	6.8	26	.07	.08	.08	.07
12PM	↓	.09	3.0	.42	6.7	27	.05	0.10	6.7	27	.05	.05	.05	.06
2PM	J.A.V.	.09	2.9	.58	6.7	27	.05	.09	6.5	26	.05	.05	.05	.06
4PM	[illegible]	0.09	2.8	0.46	6.8	27.2	0.05	0.08	6.7.5	27.2	0.05	0.06	0.05	0.07
6PM	Jesse V.	.10	3.7	1.4	6.1	27	.07	.11	6.7	27	.08	.06	.07	.08
8PM	Jesse V.	.10	3.2	1.5	6.3	26	.08	.14	6.7	27	.07	.07	.06	.07
10PM	Jesse V.	.09	3.4	1.3	6.5	26	.06	.20	6.7	27	.08	.06	.06	.06

Clarifiers

Clarifier #1					Clarifier #2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	0.50	0.28	26	6.8	12AM	.55	0.34	26	6.8
6AM	Plant OFF	0.40			6AM	Plant OFF			
12PM	0.67	.36	26	6.7	12PM	.59	.30	26	6.6
6PM	.59	.73	27	6.7	6PM	.64	.68	27	6.7

Raw Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	6	100	25	7.7	1102
6AM	Plant OFF				
12PM	8.0	100	26	7.6	1109
6PM	8.2	100	27	7.8	

Treated Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	0.08	60	26	6.7	396
6AM	0.09	60	25	6.6	0
12PM	.09	60	27	6.7	398
6PM	.10	80	27	6.1	

Webb County Water Utilities

Date: 9-18-14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	Jesse.	.09	3.6	1.6	6.5	27	.07	.23	6.7	27	.08	.07	.06	.06
2AM	Jesse.	.08	3.8	1.8	6.6	27	.09	.27	6.7	27	.10	.05	.07	.09
4AM	Jesse.	.08	4.0	1.6	6.6	27	.08	.20	6.7	27	.08	.06	.07	.07
6AM	Jesse.	.08	4.1	1.7	6.6	26	.08	.18	6.7	27	.07	.05	.08	.06
8AM	G.A.V.	.07	3.9	1.5	6.5	26	.08	.23	6.7	27	.08	.05	.11	.10
10AM		.07	3.6	1.8	6.5	26	.10	0.13	6.7	27	.07	.05	.11	.16
12PM		.06	3.8	1.2	6.5	26	.08	.19	6.7	27	.07	.06	.08	.09
2PM		.09	3.3	.88	6.5	27	.08	.22	6.7	28	.07	.06	.08	.08
4PM		.07	3.0	.84	6.5	28	.08	.17	6.4	27	.09	.09	.10	.08
6PM	G.A. Vargas	.07	3.1	.82	6.5	28	.09	.18	6.4	27	.09	.09	.16	.09
8PM	Jesse.	.09	3.3	.71	6.6	28	.08	.21	6.4	27	.09	.08	.10	.09
10PM	Jesse.	.10	2.5	.63	6.6	28	.08	.19	6.5	27	.08	.09	.11	.09

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	.60	.65	27	6.8	12AM	.58	.61	27	6.8
6AM	.60	.81	27	6.4	6AM	.63	.63	27	6.4
12PM	.63	.73	27	6.8	12PM	.58	.71	27	6.8
6PM	.54	1.0	27	6.5	6PM	.56	.79	27	6.5

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	6.8	100	27	7.8	757
6AM	6.1	120	28	7.9	788
12PM	6.8	120	27	7.9	763
6PM	6.5	120	27	7.6	785

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	.09	80	27	6.7	402
6AM	.08	80	29	6.6	398
12PM	.06	80	26	6.5	428
6PM	.07	80	28	6.5	412

Webb County Water Utilities

Date: 9-19-14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	Jesse	.09	2.0	.42	6.6	27	.09	.23	6.5	27	.08	.09	.10	.10
2AM	Jesse	.09	1.9	.30	6.6	27	.09	.17	6.6	27	.09	.09	.09	.09
4AM	Jesse	.10	2.8	.51	6.5	27	off	—	—	—	—	—	—	off
6AM	Jesse	.10	3.1	.81	6.5	27	off	—	—	—	—	—	—	off
8AM	GAV.	.06	3.1	.24	6.5	27	OFF	—	—	—	—	—	—	OFF
10AM		.08	3.9	.30	6.5	27	.07	0.00	6.6	27	.08	.08	.08	.08
12PM		.07	3.8	.28	6.5	27	.08	0.03	6.6	27	.08	.09	.07	.07
2PM		.07	3.6	.28	6.5	27	.11	.06	6.6	27	.12	.10	.07	.08
4PM		.11	3.6	.18	6.6	27	.06	0.11	6.8	27	.05	.07	.08	.07
6PM	Jesse	.12	3.6	.19	6.7	28	.06	.09	6.8	27	.05	.07	.08	.07
8PM	Jesse	.12	3.7	.23	6.7	27	.08	.10	6.8	27	.06	.08	.08	.08
10PM	Jesse	.13	3.9	.28	6.6	27	.09	.12	6.8	27	.06	.09	.09	.09

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	.55	.94	27	6.1	12AM	.56	.87	27	6.7
6AM	off	—	—	off	6AM	off	—	—	off
12PM	.51	.65	27	6.7	12PM	.53	.79	27	6.8
6PM	.71	.52	27	6.0	6PM	.58	.32	27	6.2

Raw Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	9.1	120	27	7.7	889
6AM	12.7	120	27	7.8	879
12PM	10.09	120	27	7.9	863
6PM	7.8	120	27	7.9	866

Treated Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	.09	80	27	6.6	401
6AM	.10	80	27	6.5	389
12PM	.07	80	27	6.5	399
6PM	.12	60	28	6.7	405

Webb County Water Utilities

Date: 9-20-14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	Jesse	.12	3.8	.34	6.6	27	.08	.10	6.8	27	.06	.09	.08	.10
2AM	Jesse	.12	3.7	.42	6.6	27	.08	.08	6.8	27	.05	.10	.08	.10
4AM	Jesse	.13	3.1	.70	6.6	27	.09	.09	6.8	27	.06	.10	.07	.09
6AM	Jesse	.13	3.9	.71	6.6	27	off	—	—	—	—	—	—	off
8AM	[illegible]	.15	3.5	.68	6.6	27	off	—	—	—	—	—	—	off
10AM		.16	3.6	.69	6.6	27	.23	.10	6.8	27	.13	.18	.11	.15
12PM		.19	2.9	.59	6.6	27	.10	.08	6.8	27	.10	.11	.09	.09
2PM		.18	2.7	.44	6.6	27	.10	.09	6.8	27	.10	.10	.09	.16
4PM		.22	2.9	.39	6.6	27	.08	.07	6.9	27	.08	.08	.09	.11
6PM	[illegible]	.26	3.0	.32	6.7	28	.08	.06	7.0	27	.07	.06	.10	.11
8PM	Jesse	.29	3.4	.39	6.7	28	.09	.07	6.9	27	.09	.07	.09	.10
10PM	Jesse	.28	3.0	.43	6.7	28	.08	.06	6.9	27	.05	.07	.10	.10

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	.73	.54	27	6.4	12AM	.63	.40	27	6.6
6AM	off	—	—	off	6AM	off	—	—	off
12PM	.71	.61	27	6.8	12PM	.69	.45	27	6.7
6PM	~~off~~ .53	.43	28	~~off~~ 6.6	6PM	.65	.31	28	6.5

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	7.9	120	27	7.9	844
6AM	~~off~~ 7.6	120	27	7.9	823
12PM	10.9	120	27	7.9	844
6PM	9.02	120	28	7.8	862

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	~~.13~~ .12	80	27	6.4	415
6AM					
12PM	.19	~~80~~	27	6.6	434
6PM		60	28	6.7	623

Webb County Water Utilities

Date: 9-21-14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	Jesse	.22	3.3	.84	6.7	27	.09	.08	6.8	27	.05	.07	.10	.09
2AM	Jesse	.13	1.8	.91	6.7	27	.08	.09	6.8	27	.05	.06	.09	.09
4AM	Jesse	.16	2.7	.98	6.7	27	.08	.07	6.8	27	.04	.05	.08	.08
6AM	Jesse	.20	3.0	1.0	6.7	27	OFF	—	—	—	—	—	—	OFF
8AM	JAV.	.13	2.9	.97	6.7	27	OFF	—	—	—	—	—	—	OFF
10AM		.11	2.9	.68	6.8	27	.08	.06	68	27	.06	.05	.08	.08
12PM		.11	2.8	.63	6.8	27	.08	.07	68	27	.06	.06	.08	.08
2PM		.11	2.5	.61	6.8	27	.08	0.8	68	27	.06	.07	.08	.08
4PM		.11	2.6	.91	6.8	27	.09	.06	6.8	27	.08	.08	.10	.09
6PM	JAV	.11	2.7	1.11	6.7	27	.10	.05	6.7	27	.07	.09	.11	.12
8PM	Jesse	.18	3.0	1.1	6.7	27	.09	.08	6.8	27	.08	.10	.11	.11
10PM	Jesse	.14	3.1	1.0	6.8	27	.10	.09	6.8	27	.07	.09	.10	.12

Clarifiers

Clarifier #1					Clarifier #2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	.59	.51	27	6.8	12AM	.63	.40	27	6.8
6AM	~~.69~~	~~.4~~			6AM				
12PM	.59	.49	27	6.8	12PM	.63	.45	27	6.8
6PM	.61	.14	27	6.6	6PM	.66	.08	27	6.7

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	8.5	120	28	7.9	
6AM					
12PM	10.0	120	27	7.9	866
6PM	11.0	120	28	7.9	849

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	.22	80	27	6.7	
6AM	.20	80	27	6.7	
12PM	.11	60	27	6.8	436
6PM	.11	60	27	6.7	454

Webb County Water Utilities

Date: 9-22-14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	Jesse	.14	3.1	1.0	6.8	27	.09	.11	6.8	27	.08	.08	.09	.11
2AM	Jesse	.17	3.0	1.1	6.8	27	.09	.09	6.9	27	.08	.09	.09	.13
4AM	Jesse	.15	2.9	1.2	6.9	27	.10	.12	6.9	27	.09	.08	.09	.14
6AM	Jesse	.14	2.7	1.2	6.9	27	.09	.15	6.9	27	.09	.09	.08	.12
8AM	R.Fuel	0.24	3.2	0.87	6.3	27	0.12	0.37	6.8	26	0.10	0.11	0.13	0.14
10AM	R.Fuel	0.18	3.2	0.88	6.8	27	0.09	0.34	6.9	27	0.08	0.08	0.11	0.11
12PM	R.Fuel	0.14	2.4	0.32	7.0	27	0.07	0.33	7.0	27	0.07	0.07	0.09	0.11
2PM	R.Fuel	0.18	2.7	1.3	6.8	28	0.10	0.29	6.9	26	0.08	0.10	0.13	0.13
4PM	R.Fuel	0.18	2.8	0.96	6.8	28	0.11	0.27	6.9	27	0.09	0.10	0.13	0.13
6PM	R.Fuel	0.18	2.9	0.92	6.9	29	0.09	0.32	7.0	27	0.07	0.08	0.13	0.13
8PM	Kogelio Keys	0.28	2.4	0.96	6.87	29.3c	0.09	0.30	6.97	27.7c	0.08	0.09	0.13	0.12
10PM	Kogelio Keys	0.25	2.8	0.94	6.94	28.9c	0.09	0.25	6.99	27.7c	0.08	0.07	0.13	0.12

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	.67	.24	28	6.9	12AM	.69	.28	28	6.9
6AM	.66	.25	28	6.9	6AM	.68	28	28	6.9
12PM	~~.50~~ .51	0.43	27	7.0	12PM	0.47	0.42	27	6.9
6PM	0.69	0.35	27	6.9	6PM	0.55	0.39	27	6.9

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	10.8	120	28	7.9	
6AM	12.9	120	28	7.9	1100
12PM	11	100	27	8.1	1150
6PM	8	100	28	8.0	

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	.14	80	27	6.8	427
6AM	.14	80	27	6.9	
12PM	0.14	80	27	7.0	
6PM	0.18	80	29	6.9	780

Webb County Water Utilities

Date: 9/23/14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	Rogelio Reyes	0.21	2.7	0.24	7.08	28.0c	0.10	0.11	7.06	28.2c	0.07	0.07	0.13	0.12
2AM	Rogelio Reyes	0.23	2.8	0.95	7.07	27.9c	0.10	0.13	7.05	27.9c	0.06	0.07	0.13	0.13
4AM	Rogelio Reyes	0.19	2.7	1.09	7.02	27.8c	0.11	0.17	7.08	27.5c	Backwashing w/Air		0.12	0.12
6AM	Rogelio Reyes	0.21	3.0	1.35	7.03	27.6c	0.11	0.16	7.10	27.6c	0.12	0.11	Backwashing w/Air	
8AM	R. Fuel	0.19	3.1	1.27	6.5	27	0.14	0.35	6.9	25	0.13	0.14	0.16	0.17
10AM	R. Fuel	0.26	3.5	0.77	7.0	28	0.12	0.32	7.0	25	0.11	0.11	0.14	0.16
12PM	R. Fuel	0.20	3.5	0.87	7.1	27	0.09	0.33	7.1	26	0.08	0.09	0.11	0.12
2PM	R. Fuel	0.16	3.0	1.1	6.8	27	0.09	0.30	7.1	27	0.08	0.09	0.09	0.09
4PM	R. Fuel	0.17	3.2	1.2	7.0	27	0.08	0.36	7.1	27	0.09	0.08	0.09	0.09
6PM	R. Fuel	0.17	3.7	1.1	7.1	27	0.08	0.28	7.0	27	0.08	0.10	0.09	0.09
8PM	Rogelio Reyes	0.16	3.8	1.17	7.00	28.1c	0.08	0.19	7.01	27.7c	0.08	0.09	0.08	0.09
10PM	Rogelio Reyes	0.13	3.5	1.06	6.96	28.0c	0.07	0.17	6.96	27.1c	0.07	0.07	0.07	0.08

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	0.84	0.42	27.3c	7.03	12AM	0.75	0.45	27.2c	7.01
6AM	0.76	0.59	27.0c	7.01	6AM	0.69	0.60	27.0c	7.00
12PM	0.52	1.3	28	6.9	12PM	0.49	1.1	27	6.8
6PM	0.77	1.3	26	7.0	6PM	0.58	1.1	26	6.9

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	7.94	120	27.1c	8.04	—
6AM	8.07	120	26.1c	8.07	—
12PM	10	120	22	8.4	890
6PM					

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	0.21	80	28.0c	7.08	—
6AM	0.21	80	27.6c	7.03	—
12PM	0.20	80	28	7.0	573
6PM					

Webb County Water Utilities

Date: 9/24/14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	Rogelio Reyes	0.14	3.4	0.89	6.93	27.8c	0.07	0.21	7.00	27.1c	0.06	0.06	0.07	0.08
2AM	Rogelio Reyes	0.13	3.3	0.84	6.88	27.6c	0.07	0.19	6.97	27.0c	0.07	0.06	0.06	0.07
4AM	Rogelio Reyes	0.14	3.8	0.86	6.98	27.4c	0.06	0.30	7.01	26.5c	0.06	0.06	0.07	0.08
6AM	Rogelio Reyes	0.14	3.9	0.88	7.04	27.0c	0.07	0.25	7.05	25.9c	0.06	0.06	0.06	0.07
8AM	R. Fuel	0.09	4.2	0.87	7.0	26	0.08	0.37	7.0	26	0.07	0.06	0.08	0.07
10AM	R. Fuel	0.09	4.4	0.69	6.8	28	0.07	0.37	6.9	27	0.07	0.06	0.08	0.07
12PM	R. Fuel	0.08	4.5	0.65	6.9	27	0.06	0.34	6.9	27	0.06	0.06	0.06	0.07
2PM	R. Fuel	0.08	4.1	0.76	6.7	27	0.08	0.33	6.8	24	0.08	0.07	0.08	0.09
4PM	R. Fuel	0.10	3.5	0.60	6.4	28	0.08	0.35	6.9	26	0.08	0.10	0.09	0.09
6PM	R. Fuel	0.09	3.5	0.59	6.9	28	0.08	0.35	6.9	27	0.08	0.10	0.09	0.10
8PM	Rogelio Reyes	0.10	3.4	0.48	7.10	27.9c	0.09	0.32	6.96	27.2c	0.08	0.09	0.09	0.11
10PM	Rogelio Reyes	0.10	3.0	0.54	7.08	27.6c	0.08	0.30	7.00	27.0c	0.08	0.08	0.09	0.09

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	0.63	0.93	26.8c	6.95	12AM	0.59	0.92	26.7c	6.95
6AM	0.74	1.02	26.0c	6.97	6AM	0.65	1.06	25.9c	6.94
12PM	0.74	1.1	27	6.9	12PM	0.56	0.96	27	6.9
6PM	0.63	0.52	22	7.0	6PM	0.58	0.55	27	7.0

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	10.3	120	26.8c	7.98	2pumps
6AM	10.1	120	25.6c	8.04	2pumps
12PM	9	100	25	7.9	1002
6PM	10	100	27	7.8	1005

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	0.14	80	27.8c	6.93	1 Pump
6AM	0.14	80	27.0c	7.04	1 pump
12PM	0.08	80	27	6.9	1003
6PM	0.09	80	28	6.9	1002

Webb County Water Utilities

Date: 9/25/14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	Rogelio Reyes	0.10	2.7	0.52	7.05	27.4c	0.09	0.24	7.02	27.0c	0.08	0.08	0.08	0.08
2AM	Rogelio Reyes	0.12	2.4	0.86	7.08	27.5c	OFF							OFF
4AM	Rogelio Reyes	0.10	2.17	1.11	7.04	27.3c	OFF							OFF
6AM	Rogelio Reyes	0.12	1.71	1.36	7.03	27.0c	OFF							OFF
8AM	R. Ruel	0.13	1.9	0.40	7.2	23	Plant	OFF	—	—	—	—	—	—
10AM	R. Ruel	0.10	2.5	0.35	7.1	27	Plant	OFF	—	—	—	—	—	—
12PM	R. Ruel	0.17	2.7	0.40	7.1	27	0.10	0.32	7.1	27	0.12	0.11	0.13	0.12
2PM	R. Ruel	0.13	2.7	0.36	6.9	27	0.09	0.31	7.0	27	0.09	0.08	0.12	0.12
4PM	R. Ruel	0.12	2.8	0.38	7.1	28	0.08	0.34	7.1	28	0.07	0.07	0.11	0.11
6PM	R. Ruel	0.13	2.7	0.39	7.1	28	0.09	0.30	7.0	21	0.07	0.08	0.10	0.10
8PM	Rogelio Reyes	0.14	2.3	[redacted]	7.06	28.1c	0.09	0.33	7.02	28.0c	0.12	0.08	0.09	0.09
10PM	Rogelio Reyes	0.17	2.18	[redacted]	7.13	27.6c	0.10	0.28	7.09	27.5c	0.13	0.09	0.09	0.10

Clarifiers

Clarifier #1			pH	Temp	Clarifier #2			pH	Temp
TIME	NTU'S	CL2 (Free)	~~TEMP (F)~~	~~pH~~	TIME	NTU'S	CL2 (Free)	~~TEMP (F)~~	~~pH~~
12AM	0.63	0.46	6.99	27.0c	12AM	0.59	0.49	7.00	26.9c
6AM	OFF	OFF	OFF	OFF	6AM	OFF	OFF	OFF	OFF
12PM	0.60	0.38	7.0	27	12PM	0.64	0.43	6.9	27
6PM	~~0.64~~ 0.59	~~0.~~ 0.58	7.0	27	6PM	0.58	~~0.~~ 0.45	7.0	27

Raw Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	9.79	100	26.5c	8.08	3 Pumps
6AM	OFF	OFF	OFF	OFF	OFF
12PM	23	120	27	8.0	1003
6PM	19	120	28	7.9	1152

Treated Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	0.10	80	27.4c	7.05	1 pump
6AM	0.12	80	27.0c	7.03	NONE
12PM	0.17	80	27	7.0	952
6PM	0.13	80	28	7.1	496

Webb County Water Utilities

Date: 9/26/14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	Rogelio Reyes	0.14	2.20	1.49	7.10	27.8c	0.08	0.23	7.09	26.7c	0.08	0.08	0.07	0.09
2AM	Rogelio Reyes	0.12	2.12	1.70	7.07	27.5c	0.08	0.18	7.12	26.2c	0.07	Backwashing Water Only		
4AM	Rogelio Reyes	0.13	2.19	1.80	7.14	27.2c	0.10	0.22	7.06	26.4c	0.07	0.11	0.10	0.13
6AM	Rogelio Reyes	0.12	1.90	0.13	7.21	27.3c	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
8AM	R. Fuel	0.13	2.9	0.47	7.0	27	Plant	OFF	—	—	—	—	—	—
10AM	R. Fuel	0.16	2.8	0.41	7.0	27	Plant	OFF	—	—	—	—	—	—
12PM	R. Fuel	0.16	2.6	0.40	7.2	24	0.10	0.37	7.0	26	0.11	0.08	0.12	0.12
2PM	R. Fuel	0.16	2.3	0.32	7.0	27	0.12	0.34	7.1	26	0.13	0.13	0.15	0.14
4PM	R. Fuel	0.15	2.6	0.39	7.2	26	0.13	0.39	7.1	26	0.11	0.11	0.15	0.14
6PM	R. Fuel	0.16	2.7	0.39	7.1	26	0.11	0.31	7.1	26	0.11	0.11	0.14	0.14
8PM	Rogelio Reyes	0.14	2.4	0.28	7.12	26.6c	0.10	0.36	7.10	26.5c	0.10	0.10	0.13	0.13
10PM	Rogelio Reyes	0.13	2.5	0.33	7.10	26.8c	0.10	0.30	7.09	26.4c	0.09	0.09	0.10	0.13

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	0.64	0.52	26.6c	7.02	12AM	0.65	0.54	26.8c	7.01
6AM	OFF	OFF	OFF	OFF	6AM	OFF	OFF	OFF	OFF
12PM	0.47	0.47	27	7.0	12PM	0.56	0.49	27	7.0
6PM	0.63	0.70	27	7.1	6PM	0.[illegible]	0.8	27	7.0

Raw Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	10.3	120	26.9c	8.17	3 pumps
6AM	OFF	OFF	OFF	OFF	OFF
12PM	14	120	27	8.0	1235
6PM	14	120	26	7.9	1236

Treated Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	0.14	80	27.8c	7.10	1 Pump
6AM	0.12	80	27.3c	7.21	OFF
12PM	0.16	80	24	7.2	836
6PM	0.16	80	26	7.1	532

Webb County Water Utilities

Date: 9/27/14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	Rogelio Reyes	0.13	2.3	0.33	7.12	26.6c	0.10	0.28	7.08	26.3c	0.08	0.10	0.10	0.13
2AM	Rogelio Reyes	0.12	2.4	0.36	7.10	26.5c	0.10	0.24	7.11	26.4c	0.08	0.09	0.08	0.11
4AM	Rogelio Reyes	0.10	2.3	1.02	7.15	26.8c	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
6AM	Rogelio Reyes	0.15	2.2	1.71	7.20	27.0c	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
8AM	R. Fuel	0.14	3.2	0.41	7.1	26	Plant	is	OFF	—	—	—	—	—
10AM	R. Fuel	0.13	3.3	0.41	7.0	26	Plant	is	OFF	—	—	—	—	—
12PM	R. Fuel	0.15	3.1	0.42	7.1	25	0.11	0.45	7.1	25	0.08	0.10	0.15	0.20
2PM	R. Fuel	0.14	4.4	0.42	7.2	25	0.09	0.20	7.2	25	0.07	0.10	0.11	0.14
4PM	R. Fuel	0.17	2.6	0.32	7.1	26	0.10	0.41	7.1	26	0.08	Back wash	Back wash 0.10	0.11
6PM	R. Fuel	0.16	2.7	0.44	7.1	26	0.10	0.40	7.1	25	0.09	0.13	0.11	0.11
8PM	Rogelio Reyes	0.16	2.4	1.79	7.16	26.3c	0.10	0.21	7.12	25.8c	0.08	0.11	0.10	0.10
10PM	Rogelio Reyes	0.13	2.3	0.82	7.12	26.3c	0.10	0.30	7.09	25.5c	0.09	0.10	0.11	0.11

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	0.69	0.64	25.8c	7.07	12AM	0.67	0.64	25.8c	7.07
6AM	OFF	OFF	OFF	OFF	6AM	OFF	OFF	OFF	OFF
12PM	0.73	0.68	25	7.1	12PM	0.56	0.62	25	7.1
6PM	0.62	0.48	25	7.0	6PM	0.92	0.39	25	7.1

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	13.9	120	25.7c	8.03	1240
6AM	OFF	OFF	OFF	OFF	OFF
12PM	22	120	23	7.9	1232
6PM	19	120	25	7.9	1235

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	0.13	80	26.6c	7.12	583
6AM	0.15	80	27.0c	7.20	589
12PM	0.15	80	25	7.1	332
6PM	0.16	80	25	7.1	932

Webb County Water Utilities

Date: 9/28/14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	Rogelio Reyes	0.12	2.2	0.25	7.20	26.1c	0.11	0.33	7.14	25.1c	Backwashed	0.09	Backwashed	0.09
2AM	Rogelio Reyes	0.12	2.3	0.50	7.24	25.8c	0.10	0.37	7.09	24.9c	0.12	0.09	0.11	0.09
4AM	Rogelio Reyes	0.16	1.93	0.16	7.18	25.8c								
6AM	Rogelio Reyes	0.15	1.21	0.20	7.14	25.9c								
8AM	R. Fuel	0.14	1.8	0.56	7.1	25	Plant	OFF	—	—	—	—	—	—
10AM	R. Fuel	0.13	2.1	0.23	6.9	25	Plant	OFF	—	—	—	—	—	—
12PM	R. Fuel	0.18	2.2	0.49	7.0	27	0.10	0.37	7.2	25	0.10	0.14	0.13	0.14
2PM	R. Fuel	0.14	2.7	0.45	7.2	26	0.08	0.38	7.2	25	0.09	0.11	0.12	0.11
4PM	R. Fuel	0.15	2.3	0.46	6.9	26	0.09	0.40	7.0	25	0.08	0.09	0.11	0.11
6PM	R. Fuel	0.13	2.4	0.66	7.1	26	0.08	0.39	7.0	25	0.08	0.08	0.10	0.10
8PM	Rogelio Reyes	0.14	2.3	0.40	7.12	26.8c	0.09	0.32	7.06	25.8c	0.08	0.08	0.09	0.09
10PM	Rogelio Reyes	0.10	2.4	0.30	7.09	26.1c	0.08	0.21	7.02	25.7c	0.07	0.07	0.07	0.08

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	0.74	0.51	25.0c	7.11	12AM	0.66	0.53	25.1c	7.09
6AM	OFF	OFF	OFF	OFF	6AM	OFF	OFF	OFF	OFF
12PM	0.84	0.48	25	7.0	12PM	0.60	0.42	25	7.1
6PM	0.79	0.59	25	7.1	6PM	0.60	0.49	27	7.1

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	18.8	120	24.3c	8.27	1250
6AM	OFF	OFF	OFF	OFF	OFF
12PM	30	100	25	7.8	1232
6PM	18	120	25	7.9	1209

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	0.12	80	26.1c	7.20	575
6AM	0.15	80	25.9c	7.14	0
12PM	0.18	80	27	7.0	932
6PM	0.13	80	26	7.1	432

Webb County Water Utilities

Date: 9/29/14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	Rogelio Reyes	0.09	2.3	0.18	7.06	25.9c	0.09	0.17	7.01	25.5c	0.07	0.07	0.07	0.07
2AM	Rogelio Reyes	0.09	1.50	0.15	7.02	25.9c								
4AM	Rogelio Reyes	0.10	1.56	0.14	7.04	25.8c								
6AM	Rogelio Reyes	0.09	2.4	0.39	7.18	25.6c								
8AM	Jesse	.10	3.8	1.2	6.9	25	off	off	off	off	off	off	off	off
10AM	Jesse	.11	2.9	1.2	6.9	26	.09	.13	7.0	25	~~.09~~ .07	.09	.09	.09
12PM	Jesse	.10	3.4	1.3	6.9	26	.09	.15	7.0	25	.08	.09	.08	.08
2PM	Jesse	.10	2.8	.88	6.2	27	.09	.14	7.1	26	.09	.08	.08	.09
4PM	Jesse	.11	2.9	.91	6.5	26	.08	.13	7.1	26	.09	.09	.08	.10
6PM	Jesse	.11	3.0	1.0	6.8	26	.09	.14	6.8	26	.07	.06	.08	.09
8PM	AV	.11	3.0	.98	6.8	26	.12	.14	6.8	26	.07	.06	.11	.10
10PM	AV	.12	3.0	.96	6.8	26	.11	.15	6.8	26	.07	.06	.12	.10

Clarifiers

Clarifier #1					Clarifier #2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	0.78	0.47	25.4c	7.04	12AM	0.70	0.45	25.3c	7.04
6AM	OFF	OFF	OFF	OFF	6AM	OFF	OFF	OFF	OFF
12PM	.80	.40	26	7.1	12PM	.66	.29	26	7.1
6PM	1.1	.43	26	7.1	6PM	.82	.27	26	6.9

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	15.3	120	25.2c	8.02	1250
6AM	OFF	OFF	OFF	OFF	OFF
12PM	19.2	120	26	8.0	—
6PM	20.2	120	26	8.1	—

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	0.09	80	25.9c	7.06	910
6AM	0.09	80	25.6c	7.18	579
12PM	.10	80	26	6.9	—
6PM	.11	80	26	6.8	—

Webb County Water Utilities

Date: 9/30/14

Daily Readings (2 Hr.) (6 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2 (Total)	C.W. CL2 (Free)	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2 (Free)	C.F.E. pH	C.F.E. Temp. (F)	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	[illegible]	.13	3.1	.93	6.8	26	.10	.14	6.8	26	.07	.07	.11	.10
2AM		.13	2.5	.13	6.8	25	.10	.13	6.8	25	.07	.08	.10	.10
4AM		.14	2.5	.18	6.8	25	OFF	—	—	—	—	—	—	OFF
6AM	[illegible]	.16	2.6	.22	6.8	25	OFF	—	—	—	—	—	—	OFF
8AM	[illegible]	.09	2.0	.73	6.8	25	—	—	—	—	—	—	—	—
10AM	[illegible]	.09	3.0	1.2	6.8	26	.08	.11	6.8	26	.06	.07	.09	.10
12PM	[illegible]	.10	2.9	1.1	6.8	26	.09	.13	6.8	26	.07	.07	.08	.09
2PM	[illegible]	.10	3.2	1.1	6.8	27	.08	.17	6.8	27	.07	.06	.08	.09
4PM	[illegible]	.10	3.2	.43	6.8	27	.08	.14	6.8	27	.06	.08	.07	.09
6PM	[illegible]	.10	3.2	.42	6.8	27	.09	.15	6.8	27	.07	.09	.07	.08
8PM	[illegible]	.10	3.2	.46	6.8	27	.09	.12	6.8	27	.07	.08	.08	.09
10PM	[illegible]	.12	3.3	.24	6.8	27	.07	.15	6.8	27	.07	.07	.07	.08

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	.98	.46	26	7.0	12AM	.76	.23	26	~~845~~ 6.9
6AM	OFF	—	—	OFF	6AM	OFF	—	—	OFF
12PM	.86	.35	~~27~~ 26	7.4	12PM	.76	.25	26	~~85~~ 7.1
6PM	.84	.34	27	7.6	6PM	.79	.29	26	7.3

Raw Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	17.9	120	26	8.0	845
6AM	OFF	—	—	—	OFF
12PM	15.4	120	27	>9	—
6PM	16.3	120	27	>9	—

Treated Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	.13	80	26	6.8	823
6AM	.16	80	25	6.8	456
12PM	.10	80	27	6.8	—
6PM	.10	80	27	6.9	—