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: August 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: WS0007338, B

Date: September 10, 2014

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	161	Number of 4-hour periods when plant was off-line:	25
Number of readings above 0.10 NTU:	19	Number of 4-hour periods when plant was on-line	
Number of readings above 0.3 NTU:	0	but turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days when plant was on-line	
Number of readings above 1.0 NTU:	0	but individual filter turbidity data was not collected:	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:	0.17 NTU	Average turbidity value:	0.09 NTU
Minimum turbidity reading:	0.04 NTU	Standard deviation:	0.022 NTU
CFE 95th percentile value:	0.14 NTU	IFE 95th percentile:	0.169 NTU

Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	9.91
		Average log inactivation for viruses:	264.74
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:	36 (at least 31 required) (8)		
Average disinfectant residual value:	0.82	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0		
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: 1,895

Month: August Year: 2014

Population: 6,633

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	1.654	1.130	8	100	0.6	0.6					0.10	0.14	X	0.09	0.08	0.09	1.0	
2	1.209	0.506	20	100	0.8	0.8					X	X	0.15	0.07	0.07	0.07	2.5	
3	1.222	0.544	31	100	0.4	0.6					X	X	X	0.07	0.06	0.06	3.3	
4	1.186	0.561	19	120	0.4	0.5					X	X	0.06	0.05	0.06	0.05	3.2	
5	1.264	0.570	16	120	0.5	0.4					0.06	0.08	0.07	0.06	0.06	0.16	1.1	
6	1.702	0.969	16	120	1.1	1.3					0.09	0.16	0.08	0.16	0.09	0.08	0.6	
7	1.670	0.552	12	120	0.7	0.5					0.08	0.08	0.09	0.12	0.12	0.13	1.4	
8	1.699	0.970	11	120	0.6	0.5					0.10	0.10	0.09	0.09	0.09	0.14	0.6	
9	1.719	0.519	15	120	0.6	0.7					0.11	X	X	0.11	0.09	0.14	1.0	
10	1.733	1.045	12	120	0.5	0.6					0.12	X	0.10	0.09	0.09	0.07	1.0	
11	1.630	1.067	17	100	0.5	0.4					0.09	0.09	0.09	X	0.08	0.11	1.6	
12	1.656	1.062	21	120	1.0	0.6					0.07	0.09	0.09	0.10	0.09	0.08	1.0	
13	1.687	0.597	19	120	0.7	0.5					0.09	0.09	X	0.10	0.08	0.08	1.4	
14	1.800	1.036	20	100	0.8	0.5					0.06	X	X	0.10	0.10	0.08	1.5	
15	1.764	1.080	16	120	0.8	0.6					0.10	0.09	X	0.10	0.09	0.07	1.4	
16	1.771	1.123	19	120	0.6	0.5					0.08	0.08	0.08	0.09	0.09	0.08	1.2	
17	1.807	1.080	19	120	0.5	0.5					0.17	X	X	0.08	0.08	0.08	2.3	
18	1.854	0.983	18	120	0.5	0.5					0.07	0.07	0.08	0.09	0.08	0.08	1.9	
19	1.753	0.923	13	120	0.4	0.5					0.09	0.10	0.10	0.08	0.08	0.08	2.2	
20	1.729	0.997	9	120	0.5	0.5					0.09	0.08	0.08	0.09	0.07	0.08	4.4	
21	1.736	0.908	13	120	0.5	0.5					0.09	X	0.08	0.08	0.07	0.07	2.4	
22	2.106	1.166	22	120	0.5	0.8					0.07	X	0.07	0.08	0.07	0.08	1.4	
23	2.088	1.137	20	120	0.6	0.8					0.08	0.08	0.10	0.10	0.09	0.10	1.4	
24	2.013	1.360	16	120	0.6	0.7					0.12	0.10	0.11	0.09	0.10	0.10	1.6	
25	1.985	1.146	15	120	0.9	0.6					0.10	0.10	0.08	0.08	0.08	0.08	2.2	
26	1.987	0.648	18	100	0.5	0.8					0.10	0.08	0.08	0.10	0.07	0.09	2.1	
27	1.944	0.590	12	120	0.6	0.8					0.09	0.09	0.14	0.06	0.05	0.06	1.9	
28	1.656	1.005	8	120	1.6	1.5					0.08	X	0.04	0.05	0.06	0.06	3.6	
29	1.634	0.576	8	120	0.4	1.4					0.05	0.07	0.11	0.08	0.07	0.08	2.9	
30	1.637	0.577	12	120	0.4	1.3					0.07	X	X	0.06	0.07	0.07	2.7	
31	1.630	1.075	11	100	0.3	0.6					X	X	0.07	0.06	0.06	0.05	1.2	
Total	52.925	27.502																
Avg	1.707	0.887																
Max	2.106	1.360																
Min	1.186	0.506																

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: Certificate No. and Grade: WS0007338, B Date: September 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: August 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	0.14		0.14		0.14		0.16													
2	0.11		0.12		0.17		0.17													
3	0.09		0.08		0.07		0.07													
4	0.05		0.06		0.08		0.08													
5	0.08		0.07		0.14		0.16													
6	0.12		0.13		0.22		0.20													
7	0.14		0.10		0.34		0.12													
8	0.10		0.13		0.11		0.11													
9	0.14		0.14		0.13		0.14													
10	0.11		0.11		0.12		0.13													
11	0.11		0.11		0.13		0.14													
12	0.12		0.11		0.13		0.10													
13	0.10		0.11		0.11		0.14													
14	0.15		0.10		0.11		0.11													
15	0.10		0.12		0.11		0.14													
16	0.09		0.10		0.12		0.11													
17	0.15		0.09		0.09		0.11													
18	0.08		0.16		0.33		0.10													
19	0.09		0.09		0.09		0.10													
20	0.09		0.08		0.09		0.11													
21	0.09		0.09		0.09		0.11													
22	0.08		0.08		0.14		0.10													
23	0.10		0.11		0.13		0.14													
24	0.11		0.12		0.12		0.13													
25	0.09		0.11		0.11		0.14													
26	0.10		0.11		0.14		0.13													
27	0.10		0.12		0.11		0.14													
28	0.09		0.09		0.08		0.13													
29	0.09		0.10		0.08		0.17													
30	0.08		0.08		0.08		0.09													
31	0.09		0.08		0.07		0.10													

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: _____ Certificate No. and Grade: WS0007338, B Date: September 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: August
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)	17.9	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*	0.2	0.827	29.8	7.1				
	FCL *D2*	3.0	0.413	29.8	7.1				
	CLA *D3*	1.0	0.827	31.0	7.1	9.26	294.98	18.52	
	CLA *D4*	1.0	1.654	31.0	7.1			(c)	
	D5								
2	FCL *D1*	0.2	0.604	29.0	7.0				
	FCL *D2*	1.5	0.302	29.8	7.1				
	CLA *D3*	2.5	0.604	29.7	7.2	8.35	208.89	16.70	
	CLA *D4*	2.5	1.209	29.7	7.2			(c)	
	D5								
3	FCL *D1*	0.1	0.611	29.0	6.7				
	FCL *D2*	0.9	0.305	29.8	6.9				
	CLA *D3*	3.3	0.611	30.1	7.0	6.36	127.63	12.73	
	CLA *D4*	3.3	1.222	30.1	7.0			(c)	
	D5								
4	FCL *D1*	0.3	0.593	29.0	7.1				
	FCL *D2*	1.1	0.296	29.0	7.1				
	CLA *D3*	3.2	0.593	30.0	7.0	7.68	175.07	15.37	
	CLA *D4*	3.2	1.186	30.0	7.0			(c)	
	D5								
5	FCL *D1*	0.1	0.632	30.0	7.1				
	FCL *D2*	0.2	0.316	30.0	7.1				
	CLA *D3*	1.1	0.632	31.0	7.0	1.64	32.04	3.28	
	CLA *D4*	1.1	1.264	31.0	7.0			(c)	
	D5								
6	FCL *D1*	0.4	0.851	29.0	7.5				
	FCL *D2*	2.2	0.425	30.0	6.9				
	CLA *D3*	0.6	0.851	31.0	7.0	8.20	228.42	16.40	
	CLA *D4*	0.6	1.702	31.0	7.0			(c)	
	D5								
7	FCL *D1*	0.4	0.835	29.0	7.4				
	FCL *D2*	2.0	0.417	30.0	6.9				
	CLA *D3*	1.4	0.835	32.0	6.9	8.13	215.91	16.27	
	CLA *D4*	1.4	1.670	32.0	6.9			(c)	
	D5								
8	FCL *D1*	0.5	0.849	30.1	7.0				
	FCL *D2*	2.3	0.424	30.4	6.9				
	CLA *D3*	0.6	0.849	31.0	6.9	9.18	253.25	18.35	
	CLA *D4*	0.6	1.699	31.0	6.9			(c)	
	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*	0.8	0.859	30.0	6.9				
	FCL *D2*	1.9	0.429	30.0	6.9				
	CLA *D3*	1.0	0.859	31.0	6.9	9.04	233.85	18.08	
	CLA *D4*	1.0	1.719	31.0	6.9			(c)	
	D5								
10	FCL *D1*	0.4	0.866	30.0	7.0				
	FCL *D2*	3.4	0.433	30.0	6.9				
	CLA *D3*	1.0	0.866	31.0	6.9	11.06	334.15	22.12	
	CLA *D4*	1.0	1.733	31.0	6.9			(c)	
	D5								
11	FCL *D1*	0.8	0.815	28.0	6.7				
	FCL *D2*	2.7	0.407	29.4	7.0				
	CLA *D3*	1.6	0.815	31.4	6.9	10.99	301.88	21.97	
	CLA *D4*	1.6	1.630	31.4	6.9			(c)	
	D5								
12	FCL *D1*	0.5	0.828	30.0	6.9				
	FCL *D2*	3.2	0.414	30.4	7.0				
	CLA *D3*	1.0	0.828	31.4	6.9	11.58	351.15	23.16	
	CLA *D4*	1.0	1.656	31.4	6.9			(c)	
	D5								
13	FCL *D1*	0.5	0.843	30.1	6.8				
	FCL *D2*	2.0	0.421	29.9	6.9				
	CLA *D3*	1.4	0.843	30.6	6.8	8.67	221.50	17.35	
	CLA *D4*	1.4	1.687	30.6	6.8			(c)	
	D5								
14	FCL *D1*	0.3	0.900	29.9	6.8				
	FCL *D2*	3.2	0.450	30.0	6.8				
	CLA *D3*	1.5	0.900	31.1	6.8	10.79	302.37	21.57	
	CLA *D4*	1.5	1.800	31.1	6.8			(c)	
	D5								
15	FCL *D1*	0.3	0.882	29.8	6.7				
	FCL *D2*	2.4	0.441	30.7	6.7				
	CLA *D3*	1.4	0.882	32.0	6.7	9.70	245.50	19.39	
	CLA *D4*	1.4	1.764	32.0	6.7			(c)	
	D5								
16	FCL *D1*	0.3	0.885	30.1	6.7				
	FCL *D2*	2.5	0.442	31.9	6.8				
	CLA *D3*	1.2	0.885	32.2	6.8	10.54	276.66	21.08	
	CLA *D4*	1.2	1.771	32.2	6.8			(c)	
	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:
Certificate No. and Grade: WS0007338, B
Date: September 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: August
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)	17.9	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*	0.5	0.903	30.9	6.8				
	FCL *D2*	3.0	0.451	31.9	6.7				
	CLA *D3*	3.0	0.903	23.0	6.7	12.80	337.39	25.60	
	CLA *D4*	2.3	1.807	23.0	7.7			(c)	
	D5								
18	FCL *D1*	0.6	0.927	29.0	6.8				
	FCL *D2*	3.0	0.463	30.0	6.7				
	CLA *D3*	1.9	0.927	32.0	6.7	11.20	295.48	22.40	
	CLA *D4*	1.9	1.854	32.0	6.7			(c)	
	D5								
19	FCL *D1*	0.6	0.876	30.0	6.9				
	FCL *D2*	3.0	0.438	30.0	6.8				
	CLA *D3*	2.2	0.876	31.0	6.8	11.44	310.46	22.87	
	CLA *D4*	2.2	1.753	31.0	6.8			(c)	
	D5								
20	FCL *D1*	0.5	0.864	29.0	6.9				
	FCL *D2*	3.6	0.432	29.0	6.7				
	CLA *D3*	4.4	0.864	31.0	6.6	12.86	342.15	25.72	
	CLA *D4*	4.4	1.729	31.0	6.6			(c)	
	D5								
21	FCL *D1*	0.7	0.868	29.0	6.9				
	FCL *D2*	3.3	0.434	29.0	6.8				
	CLA *D3*	2.4	0.868	31.0	6.6	11.82	326.99	23.64	
	CLA *D4*	2.4	1.736	31.0	6.6			(c)	
	D5								
22	FCL *D1*	0.6	1.053	29.0	6.9				
	FCL *D2*	3.0	0.526	29.0	6.8				
	CLA *D3*	1.4	1.053	30.0	6.9	8.82	242.89	17.64	
	CLA *D4*	1.4	2.106	30.0	6.9			(c)	
	D5								
23	FCL *D1*	0.6	1.044	29.0	6.9				
	FCL *D2*	2.3	0.522	29.0	6.8				
	CLA *D3*	1.4	1.044	30.0	6.9	7.51	193.82	15.03	
	CLA *D4*	1.4	2.088	30.0	6.9			(c)	
	D5								
24	FCL *D1*	0.6	1.006	30.0	6.9				
	FCL *D2*	2.6	0.503	29.0	6.9				
	CLA *D3*	1.6	1.006	30.0	6.8	8.45	229.31	16.89	
	CLA *D4*	1.6	2.013	30.0	6.8			(c)	
	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*	0.2	0.992	29.0	6.9				
	FCL *D2*	2.3	0.496	29.5	6.9				
	CLA *D3*	2.2	0.992	30.0	6.8	7.19	188.61	14.39	
	CLA *D4*	2.2	1.985	30.0	6.8			(c)	
	D5								
26	FCL *D1*	0.4	0.993	29.1	6.6				
	FCL *D2*	2.6	0.496	29.9	6.5				
	CLA *D3*	2.1	0.993	30.1	6.7	9.60	226.82	19.19	
	CLA *D4*	2.1	1.987	30.1	6.7			(c)	
	D5								
27	FCL *D1*	0.5	0.972	29.7	6.7				
	FCL *D2*	3.2	0.486	29.4	6.7				
	CLA *D3*	1.9	0.972	29.7	6.7	10.68	281.48	21.36	
	CLA *D4*	1.9	1.944	29.7	6.7			(c)	
	D5								
28	FCL *D1*	0.6	0.828	29.7	6.6				
	FCL *D2*	3.1	0.414	30.1	6.6				
	CLA *D3*	3.6	0.828	30.0	6.6	13.86	342.54	27.72	
	CLA *D4*	3.6	1.656	30.0	6.6			(c)	
	D5								
29	FCL *D1*	0.6	0.817	29.8	6.8				
	FCL *D2*	3.4	0.408	29.6	6.9				
	CLA *D3*	2.9	0.817	30.0	6.7	12.90	365.57	25.81	
	CLA *D4*	2.9	1.634	30.0	6.7			(c)	
	D5								
30	FCL *D1*	0.5	0.818	29.3	6.7				
	FCL *D2*	3.2	0.409	29.8	6.7				
	CLA *D3*	2.7	0.818	30.0	6.7	12.83	337.77	25.67	
	CLA *D4*	2.7	1.637	30.0	6.7			(c)	
	D5								
31	FCL *D1*	1.0	0.815	29.0	6.8				
	FCL *D2*	3.2	0.407	29.9	6.7				
	CLA *D3*	1.2	0.815	30.0	6.6	14.01	380.11	28.02	
	CLA *D4*	1.2	1.630	30.0	6.6			(c)	
	D5								

	Giardia Log	Virus Log
Max	14.01	380.11
Min	1.64	32.04
Avg	9.91	264.74
SD	2.51	75.01

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

SUBMITTED BY:
Certificate No. and Grade: WS0007338, B
Date: September 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: August

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	8/12	120	4.03	2.93	27.3	35	0.78			0.78
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	4.03	2.93	27.30		0.78			0.78
Max		120.00	4.03	2.93	27.30		0.78			0.78
Min		120.00	4.03	2.93	27.30		0.78			0.78

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	4.03	2.93	27.3.	NA	0.78

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 and Grade No.: WS0007338, B

Date: September 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

TSJ

Webb County Water Utilities

Date: 8/4/14

Daily Readings (2 Hr.) (4 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2	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	0.11	1.68	7.03	29.6C	0.10	3.0	7.00	29.4C	0.07	0.08	0.09	0.08
2AM	Rogelio Reyes	0.10	1.38	7.06	29.4C	0.11	3.4	7.08	29.5C	0.08	0.08	0.10	0.09
4AM	Rogelio Reyes	0.10	1.20	7.10	29.2C	0.14	3.6	7.13	29.5C	0.10	0.12	0.11	0.12
6AM	R. Ruiz	0.11	1.5	7.0	29	0.12	3.8	7.1	28	0.10	0.11	0.12	0.14
8AM	R. Ruiz	0.12	1.0	7.0	29	Plant shut down							
10AM	R. Ruiz	0.12	1.41	6.9	29	0.13	3.2	7.0	27	0.14	0.14	0.14	0.16
12PM	R. Ruiz	0.12	1.2	7.0	29	0.09	3.5	7.0	29	0.09	0.09	0.10	0.11
2PM	R. Ruiz	0.12	1.2 1.9	6.9	31	0.08	3.5	7.1	28	0.08	0.08	0.08	0.10
4PM	R. Ruiz	0.10	1.9	6.9	31	0.08	3.5	7.0	29	0.07	0.07	0.08	0.09
6PM	Rogelio Reyes	0.13	1.97	6.93	31.0C	0.10	3.9	7.02	29.8C	0.08	0.08	0.08	0.10
8PM	Rogelio Reyes	0.13	1.98	6.99	28.9C	0.09	3.8	7.00	29.1C	0.08	0.07	0.08	0.10
10PM	Rogelio Reyes	0.12	1.96	7.09	28.9C	0.09	3.7	7.06	29.0C	0.07	0.07	0.08	0.09

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2	TEMP.(F)	pH	TIME	NTU'S	CL2	TEMP.(F)	pH
10:00 AM	0.50	0.53	28	7.0	10:00 AM	0.48	0.35	28	6.9
4PM	0.61	0.25	29	7.0	4PM	0.55	0.20	29	7.1
12AM	0.44	0.104	29.8C	6.94	12AM	0.45	0.79	29.6C	6.98

Raw Water Pump Station

Time	NTU's	Alk.	Temp.(F)	pH	GPM
8AM	8	100	29	8.0	1448
4PM	7	100	31	7.9	1149
12AM	4.49	100	30.2C	8.02	1050

Treated Water Pump Station

Time	NTU's	Alk.	Temp.(F)	pH	GPM
8AM	0.12	80	29	7.0	398
4PM	0.10	80	31	6.9	687
12AM	0.11	80	29.6C	7.03	785

14

Webb County Water Utilities

Daily Readings (2 Hr.) (4 Hr.) Grab Samples

Date: 8/8/14

Time	Operator	C.W. NTU'S	C.W. CL2	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2	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	0.11	3.9	7.07	29.1C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
2AM	Rogelio Reyes	0.11	3.8	7.19	28.8C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
4AM	Rogelio Reyes	0.10	4.0	7.10	28.7C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
6AM	Rafael	0.10	3.2	7.0	27.	Plant	Shut		down				
8AM	Rafael	0.12	2.5	7.1	28	0.15	1.5	7.1	28	0.11	0.12	0.17	0.17
10AM	Rafael	0.13	3.4	7.2	28	0.09	3.4	7.1	28	0.071	0.07	0.10	0.12
12PM	Rafael	0.13	3.7	7.1	29	0.07	3.8	7.0	28	0.06	0.06	0.08	0.10
2PM	Rafael	0.14	2.7	7.0	29	0.07	3.6	7.0	29	0.06	0.06	0.08	0.09
4PM	Rafael	0.14	4.5	6.9	29	0.07	3.7	6.9	29	0.06	0.07	0.08	0.09
6PM	Rogelio Reyes	0.14	4.4	6.97	29.7C	0.07	3.7	6.94	29.8C	0.07	0.06	0.07	0.09
8PM	Rogelio Reyes	0.13	5.0	6.95	29.3C	0.07	3.7	6.96	29.7C	0.07	0.06	0.06	0.08
10PM	Rogelio Reyes	0.11	5.2	6.95	29.0C	0.07	3.8	6.97	29.6C	0.06	0.05	0.06	0.07

Plant OFF @ 11:30PM

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2	TEMP.(F)	pH	TIME	NTU'S	CL2	TEMP.(F)	pH
8AM	0.89	0.15	28	7.0	8AM	~~0.06~~ 0.45	0.17	28	6.9
4PM	0.35	0.16	29	6.9	4PM	0.81	0.23	29	6.9
12AM	OFF	OFF	OFF	OFF	12AM	OFF	OFF	OFF	OFF

Raw Water Pump Station

Time	NTU's	Alk.	Temp.(F)	pH	GPM
8AM	13	100	27	8.0	839
4PM	20	100	28	8.1	840
12AM	OFF	OFF	OFF	OFF	OFF

Treated Water Pump Station

Time	NTU's	Alk.	Temp.(F)	pH	GPM
8AM	0.12	80	28	7.1	350
4PM	0.14	80	29	6.9	352
12AM	0.11	80	29.1C	7.07	OFF

Webb County Water Utilities

Daily Readings (2 Hr.) (4 Hr.) Grab Samples

Date: 8/3/14

Time	Operator	C.W. NTU'S	C.W. CL2	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2	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	KogelioKeyes	0.13	5.0	6.93	28.9c	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
2AM	KogelioKeyes	0.12	4.6	6.95	28.7c	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
4AM	KogelioKeyes	0.11	4.3	6.91	28.5c	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
6AM	R.Peel	0.10	4.2	6.8	28	Plant shut down							
8AM	R.Peel	0.11	4.2	6.8	28	Plant shut down							
10AM	R.Peel	0.12	3.9	6.9	29	0.09	4.0	6.9	28	0.09	0.08	0.07	0.08
12PM	R.Peel	0.15	4.9	6.7	29	0.07	2.9	6.8	29	0.07	0.06	0.06	0.07
2PM	R.Peel	0.12	3.9	6.8	29	0.07	0.90	6.9	28	0.05	0.05	0.07	0.08
4PM	R.Peel	0.12	3.5	6.8	30	0.06	2.1	6.8	29	0.05	0.05	0.05	0.09
6PM	KogelioKeyes	0.11	3.3	6.86	30.1c	0.07	2.6	6.89	29.8c	0.05	0.05	0.06	0.07
8PM	KogelioKeyes	0.12	4.0	6.87	29.8c	0.06	2.4	6.87	29.7c	0.06	0.06	0.05	0.07
10PM	KogelioKeyes	0.10	4.2	6.89	29.3c	0.07	2.3	6.91	29.5c	0.06	0.06	0.06	0.08

12:00 0.07

12:00 0.09

Clarifiers

Clarifier #1					Clarifier #2				
TIME	NTU'S	CL2	TEMP.(F)	pH	TIME	NTU'S	CL2	TEMP.(F)	pH
8AM	0.4	5.8	28	6.6	8AM	0.6	8.5	28	6.7
4PM	0.4	0.2	29	6.7	4PM	0.5	0.1	29	6.7
12AM	OFF	OFF	OFF	OFF	12AM	OFF	OFF	OFF	OFF

PLANT OFF @ 11:00PM

Raw Water Pump Station

Time	NTU's	Alk.	Temp.(F)	pH	GPM
8AM	31	100	28	7.1	849
4PM	16	100	29	8.4	849
12AM	OFF	OFF	OFF	OFF	OFF

Treated Water Pump Station

Time	NTU's	Alk.	Temp.(F)	pH	GPM
8AM	0.11	80	28	6.8	359
4PM	0.12	60	30	6.8	343
12AM	0.13	80	28.9c	6.93	378

Webb County Water Utilities

Daily Readings (2 Hr.) (4 Hr.) Grab Samples

Date: 8/4 Jesse 8/3/14

Time	Operator	C.W. NTU'S	C.W. CL2	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2	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	4.1	7.00	29.3C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
2AM	Rogelio Reyes	0.10	4.2	6.96	29.0C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
4AM	Rogelio Reyes	0.11	4.4	6.99	28.7C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
6AM	Jesse.	.10	4.4	6.4	28	.05	1.9	6.9	25	.04	.04	.06	.07
8AM	Jesse.	.10	4.3	6.9	28	.06	1.8	7.0	27	.05	.04	.06	.08
10AM	Jesse.	.10	4.4	6.9	29	.05	1.9	6.9	29	.03	.04	.05	.06
12PM	Jesse.	.10	4.6	6.9	29	.05	1.8	6.9	29	.04	.04	.05	.06
2PM	Jesse.	.09	4.5	6.9	30	.05	1.8	7.0	29	.05	.05	.06	.06
4PM	Jesse.	.10	4.2	6.9	29	.06	1.9	7.1	29	.04	.04	.05	.06
6PM	Jose V.	.10	3.7	6.9	30	.05	1.8	7.0	28	.05	.04	.05	.05
8PM	Jose V.	.09	3.5	6.9	30	.05	1.7	7.0	29	0.5	.04	.05	.06
10PM	Jose V.	.10	3.2	6.8	29	.05	1.13	6.9	29	.04	.06	.08	.07

PLANT OFF @ 10:50PM

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2	TEMP. (F)	pH	TIME	NTU'S	CL2	TEMP. (F)	pH
8AM	.32	.38	~~7.0~~ 29	~~7~~ 7.0	8AM	.52	.31	25	6.8
4PM	.37	.46	~~7.1~~ 29	~~29~~ 7.1	4PM	.46	.38	29	6.9
12AM	OFF	OFF	OFF	OFF	12AM	OFF	OFF	OFF	OFF

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
8AM	12.5	120	28	7.2	820
4PM	18.7	120	29	7.4	824
12AM	OFF	OFF	OFF	OFF	OFF

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
8AM	.10	80	28	6.9	390
4PM	.10	80	29	6.9	384
12AM	0.10	80	29.3C	7.00	0

Webb County Water Utilities

Daily Readings (2 Hr.) (4 Hr.) Grab Samples

Date: ~~[illegible]~~ 8/5/14 TGF

Time	Operator	C.W. NTU'S	C.W. CL2	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2	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	3.2	6.8	29	.06	.20	6.9	29	.06	.06	.08	.07
2AM	[illegible]	.08	3.3	6.9	29	.08	.18	6.9	29	0.8	.07	.08	.07
4AM	[illegible]	.12	3.3	6.9	29	.08	.28	6.9	29	0.8	.07	.06	.07
6AM	Jesse.	.11	3.03	6.8	29	.07	2.4	7.0	29	.07	.07	.07	.07
8AM	Jesse.	.11	1.09	6.8	29	.07	2.2	7.0	29	.06	.06	.07	.06
10AM	Jesse.	.09	1.09	6.9	29	.07	1.6	7.0	29	.07	.06	.07	.07
12PM	Jesse.	.10	3.0	6.8	30	.06	1.9	7.0	29	.06	.06	.07	.07
2PM	Jesse.	.09	1.7	7.0	29	.07	1.8	7.1	29	.07	.07	.07	.06
4PM	Jesse.	.08	1.5	6.8	31	.06	1.7	7.0	30	.06	.06	.06	.06
6PM	[illegible]	.08	1.5	6.8	31	.07	2.9	6.8	29	.07	.06	.07	.07
8PM	[illegible]	.07	2.0	7.0	30	.16	2.16	6.9	29	.06	.06	.14	.16
10PM	[illegible]	.08	2.0	7.0	30	.08	2.5	6.9	29	.06	.07	.09	.11

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2	TEMP.(F)	pH	TIME	NTU'S	CL2	TEMP.(F)	pH
8AM	.32	1.10	29	7.0	8AM	.42	1.21	29	6.8
4PM	.43	1.84	30	7.0	4PM	.40	1.41	30	7.1
12AM	.46	.12	29	6.8	12AM	.36	.08	29	6.7

Raw Water Pump Station

Time	NTU's	Alk.	Temp.(F)	pH	GPM
8AM	11.3	120	29	7.3	840
4PM	14.3	120	30	7.7	853
12AM	10.8	120	29	7.5	878

Treated Water Pump Station

Time	NTU's	Alk.	Temp.(F)	pH	GPM
8AM	.11	80	~~6~~ 29	6.8	386
4PM	.08	80	31	6.8	396
12AM	.08	80			

Webb County Water Utilities

Date: 8/6/14

Daily Readings (2 Hr.) (4 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2	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	Joe A.V.	.09	2.3	6.9	30	.09	2.2	6.9	29	.06	.06	.08	.10
2AM	Joe A.V.	.08	1.12	6.9	29	.08	2.8	6.9	29	.07	.06	.08	.09
4AM	Joe A.V.	.18	2.1	6.9	29	.16	2.5	6.9	29	.12	.13	.10	.14
6AM	Jesse.	.08	1.77	7.0	29	.07	3.7	6.9	29	.05	.06	.08	.09
8AM	Jesse.	.11	0.57	6.8	29	.08	6.2	6.8	29	.08	.08	.11	.08
10AM	Jesse.	.11	1.36	6.8	29	.15	4.5	6.9	28	.10	.11	.22	.20
12PM	Jesse.	.12	1.44	6.8	29	.16	4.1	6.9	29	.11	.10	.21	.18
2PM	Jesse.	.11	4.3	6.9	30	.09	4.4	6.9	29	.09	.10	.10	.10
4PM	Jesse.	.10	4.4	6.4	31	.09	3.7	6.9	29	.09	.10	.08	.10
6PM	Joe A.V.	.10	4.7	6.8	31	.09	3.1	6.9	29	.09	.10	.08	.11
8PM		.09	4.5	6.9	30	.08	3.3	6.9	29	.08	.08	.08	.09
10PM	Joe A.V.	.09	4.2	6.9	30	.08	3.0	6.9	30	.08	.08	.08	.09

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2	TEMP. (F)	pH	TIME	NTU'S	CL2	TEMP. (F)	pH
8AM	~~1.1~~ 1.08	1.59	~~6~~ 29	6.9	8AM	1.28	1.53	29	6.9
4PM	.41	.37	29	7.0	4PM	.41	.41	29	7.0
12AM	.46	.56	29	7.5	12AM	.46	.45	29	7.3

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
8AM	11.1	120	29	7.8	860
4PM	12.7	120	29	7.8	1170
12AM	16.0	120	29	7.7	1152

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
8AM	.11	80	29	6.8	389
4PM	.10	80	~~8~~ 31	6.9	321
12AM	.08	80	29	6.9	673

Webb County Water Utilities

Date: 8/7/14

Daily Readings (2 Hr.) (4 Hr.) Grab Samples

Time	Operator	C.W. NTU'S	C.W. CL2	C.W. pH	C.W. Temp (F)	C.F.E. NTU'S	C.F.E. CL2	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	-	.11	3.7	6.9	30	.08	3.4	6.9	30	.08	.08	.09	.10
2AM		.13	1.8	6.8	30	.08	3.4	6.8	30	.08	.08	.08	.10
4AM		.11	1.9	6.8	30	.08	3.3	6.8	30	.08	.07	.08	.09
6AM	Jesse.	.09	1.4	6.9	29	.08	3.4	6.7	29	.06	.07	.09	.11
8AM	Jesse.	.11	1.8	6.8	30	.09	3.3	6.9	30	.04	.08	.09	.10
10AM	Jesse.	.09	1.5	6.7	29	.14	3.3	6.9	30	.07	.10	.34	.09
12PM	Jesse.	.11	1.8	6.9	29	.12	3.2	6.9	29	.07	.09	.18	.10
2PM	Jesse.	.10	1.8	6.7	31	.09	4.0	6.8	30	.10	.09	.10	.10
4PM	Jesse.	.10	1.6	6.7	32	.12	4.4	6.7	30	.14	.09	.11	.11
6PM	Jesse V.	.12	1.6	6.9	31	.11	2.0	6.8	29	.10	.09	.13	.10
8PM	Jesse V.	.12	1.8	6.9	31	.13	2.2	6.7	30	.11	.10	.12	.10
10PM	Jesse V.	.14	2.1	6.7	30	.09	3.9	6.8	30	.09	.10	.10	.12

Clarifiers

Clarifier #1					Clarifier #2				
TIME	NTU'S	CL2	TEMP.(F)	pH	TIME	NTU'S	CL2	TEMP.(F)	pH
8AM	.66	.48	6.8	29	8AM	.47	.38	29	6.8
4PM	.41	.51	7.4	28	4PM	.41	.47	29	7.0
12AM					12AM				

Raw Water Pump Station

Time	NTU's	Alk.	Temp.(F)	pH	GPM
8AM	11.3	120	29	7.8	1170
4PM	11.8	120	30	7.9	1160
12AM					

Treated Water Pump Station

Time	NTU's	Alk.	Temp.(F)	pH	GPM
8AM	.11	80	6.8	30	384
4PM	.10	80	6.7	32	371
12AM					

Webb County Water Utilities

Date: 8/8/14

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	Rogelio Reyes	0.12	2.18	0.40	6.73	30.6°C	0.10	3.6	6.82	30.4°C	0.09	0.09	0.10	0.11
2AM	Rogelio Reyes	0.12	1.61	0.73	6.82	30.0°C	0.09	3.1	6.82	30.2°C	0.09	0.09	0.10	0.09
4AM	Rogelio Reyes	0.11	1.02	0.54	6.76	29.9°C	0.10	3.7	6.80	29.5°C	0.08	Backwashing	0.08	0.09
6AM	Rogelio Reyes	0.12	0.60	0.38	6.73	29.7°C	0.11	3.9	6.76	29.1°C	0.08	0.13	0.08	0.09
8AM	[illegible]	0.12	1.90	1.50	6.93	26.9°	0.09	3.5	6.92	29.3°	0.07	0.07	0.11	0.10
10AM	[illegible]	0.11	1.96	0.45	6.95	29.6	0.08	3.9	6.84	29.1°	0.08	0.07	0.10	0.09
12PM	[illegible]	0.13	2.7	0.4	6.66	31.1	0.09	4.3	6.89	27.3°	0.06	0.07	0.09	0.08
2PM	[illegible]	.13	3.4	.22	6.9	29	.09	4.3	6.9	29	.06	.07	.09	.08
4PM	[illegible]	.13	3.6	.19	6.9	29	.09	4.2	6.9	29	.07	.07	.10	.09
6PM	[illegible]	.12	3.9	.23	6.9	31	.10	2.3	6.9	29	.06	.07	.08	.08
8PM	[illegible]	.11	3.5	.19	6.9	31	.14	2.9	6.9	29	.10	.12	.08	.08
10PM	[illegible]	.11	2.7	.20	6.9	31	.13	2.7	6.9	30	.10	.10	.09	.09

Clarifiers

Clarifier #1					Clarifier #2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	0.50	0.57	29.9C	6.90	8AM	0.48	0.46	30.1C	6.88
6AM	0.63	1.22	29.3°	6.99	4PM	0.46	1.09	29.1°	6.82
12PM	0.62				12AM				
6PM	.61	1.21	30	6.9	12AM	.43	1.20	30	6.9

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	6.99	120	30.6°C	7.81	1180
6AM	7.31	120	28.7	7.47	1150
12PM	9.33	120	31.1	1.03	1150
6PM	11.3	120	31	7.9	1147

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	0.12	80	30.6°C	6.73	378
6AM	0.12	80	26.9°	6.93	410
12PM	0.13	80	31.1	6.66	674
6PM	.12	80	31	6.9	652

Webb County Water Utilities

Date: 8/9/14

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	G.V.	.13	2.1	.45	.68	29	.11	2.0	6.9	29	.10	.08	.09	.09
2AM	G.V.	.10	1.5	.36	.68	29	.10	1.9	6.9	29	.08	.10	.08	.09
4AM	G.V.	.09	1.98	.63	6.8	29	OFF							OFF
6AM	G.V.	.09	2.14	.74	6.7	29	OFF							OFF
8AM	Jesse.	.09	2.9	.41	6.9	29	OFF							OFF
10AM	Jesse.	.10	1.4	.84	6.7	30	.10	2.0	6.9	28	.09	.10	.11	.11
12PM	Jesse.	.11	2.4	.89	6.9	30	.11	2.4	6.9	29	.10	.10	.11	.12
2PM	Jesse.	.12	2.4	.93	6.7	31	.08	3.2	6.9	29	.08	.08	.09	.09
4PM	Jesse.	.10	2.6	.94	6.7	31	.09	3.1	6.9	29	.10	.09	.09	.09
6PM	G.V.	.12	1.7	.96	6.8	30	.12	3.9	6.9	29	.11	.09	.09	.10
8PM	G.V.	.11	1.01	.43	6.7	30	.14	2.2	6.9	30	.14	.14	.13	.14
10PM	G.V.	.12	1.05	.34	6.7	30	.11	4.0	6.9	30	.11	.11	.13	.13

Clarifiers

Clarifier #1					Clarifier #2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	.60	1.23	29	6.8	8AM	—	—	—	—
6AM	OFF	—	—	OFF	4PM	.71	1.23	30	6.9
12PM	~~.65~~ .58	1.20	30	6.9	12AM	.49	1.32	29	6.8
6PM	.41	.95	30	6.9	12AM	.52	.79	30	6.9

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	10.7	120	30	7.8	1160
6AM	OFF	—	—	—	OFF
12PM	12.3	120	30	7.9	1194
6PM	15.1	120	30	7.4	1193

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	.10	80	29	6.8	346
6AM	.09	80	29		340
12PM	.11	80	30	6.9	361
6PM	.12	80	30	6.8	341

Webb County Water Utilities

Date: 8/10/14

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	[illegible]	.12	1.00	.30	6.8	30	.15	3.7	6.9	30	.11	.11	.12	.13
2AM	[illegible]	.12	1.05	.32	6.8	29	OFF	~	~	~	~	~	~	OFF
4AM	[illegible]	.13	1.1	.3	6.8	29	OFF	~	~	~	~	~	~	OFF
6AM	[illegible]	.13	1.0	.16	6.8	29	OFF	~	~	~	~	~	~	OFF
8AM	[illegible]	.12	.90	.41	6.8	29	.10	3.4	6.9	29	.10	.11	.11	.12
10AM	[illegible]	.13	2.19	.81	6.7	30	.08	4.8	6.9	29	.07	.07	.08	.09
12PM	[illegible]	.13	2.5	.88	6.8	30	.09	4.4	6.9	29	.08	.07	.09	.09
2PM	[illegible]	.12	3.4	.84	6.9	30	.09	9.6	6.9	30	.08	.08	.09	.09
4PM	[illegible]	.11	4.8	.91	6.9	29	.09	4.4	6.8	30	.09	.09	.10	.09
6PM	[illegible]	.11	4.2	.77	6.9	31	.06	4.1	6.9	29	.06	.06	.06	.07
8PM	[illegible]	.08	4.0	.63	6.9	30	.07	4.0	6.9	30	.06	.06	.06	.06
10PM	[illegible]	.09	3.8	1.5	6.8	30	.09	3.8	6.8	29	.08	.06	.08	.11

Clarifiers

Clarifier #1					Clarifier #2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	.47	.37	29	6.8	12 AM	.50	.42	29	6.8
6AM	off	~	~	off	6 AM	off	~	~	off
12PM	.43	1.18	29	6.9	12 PM	.58	1.13	30	7.0
6PM	.46	.86	29	6.9	6 PM	.54	.72	29	6.9

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	.12	120	30	7.9	1116
6AM	off	~	~	~	off
12PM	11.8	120	30	7.9	1204
6PM	11.3	120	30	7.8	1178

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	.12	80	30	6.8	346
6AM	.13	80	~~6.~~ 29	6.8	off
12PM	.13	80	30	6.8	726
6PM	.11	80	31	6.9	687

Webb County Water Utilities

Date: 8/11/14

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]	.07	2.7	2.1	6.9	29°	09	2.7	6.9	29°	.08	.06	.09	10
2AM	[illegible]	.07	2.9	2.9	6.9	29°	.14	2.9	6.9	29°	.11	.11	.13	.14
4AM	[illegible]	.08	2.9	29°	6.9	29°	.09	2.8	6.9	29°	.08	.09	.08	.10
6AM	[illegible]	.09	4.7	4.1	6.9	29°	.08	4.3	6.9	28°	.07	.07	.08	.10
8AM	Rogelio Key	0.09	3.6	4.0	6.88	28.8C	0.09	3.6	6.95	28.7C	0.07	0.08	0.08	0.10
10AM (2 pumps)	Rogelio Key	0.10	3.6	3.2	6.80	30.0C	0.08	3.5	6.88	29.4C	0.07	0.07	0.07	0.09
12PM	Rogelio Key	0.09	3.7	3.0	6.87	30.9C	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2PM	Rogelio Key	0.09	3.5	3.1	6.84	31.2C	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
4PM	Rogelio Key	0.09	3.8	3.6	10.1010	31.4C	0.08	4.2	10.78	29.1C	0.05	0.08	0.09	0.07
6PM	R. Leal	0.09	3.3	2.1	6.6	30	0.07	4.1	6.7	29	0.06	0.06	0.08	0.07
8PM	R. Leal	0.07	2.0	1.3	6.7	30	0.11	3.1	6.7	29	0.12	0.07	0.08	0.08
10PM	R. Leal	0.09	1.6	0.6	6.7	30	0.07	4.3	6.7	29	0.07	0.06	0.08	0.08

Clarifiers

Clarifier #1					Clarifier #2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	4.0				8AM				
6AM					4PM				
12PM	OFFLINE	OFFLINE	OFFLINE	OFFLINE	12PM	OFFLINE	OFFLINE	OFFLINE	OFFLINE
6PM	0.45	0.75	28	6.7	12AM	0.4	0.83	28	6.6

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	17	100			
6AM					
12PM	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
6PM	17	100			1132

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM					
6AM					
12PM	0.09	80	30.9C	6.87	340
6PM	0.09	80	30	6.6	741

Webb County Water Utilities

Date: 8-12-14

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	Rafael	0.08	2.0	0.31	6.6	29	0.07	3.3	6.7	28	0.07	0.06	0.09	0.10
2AM	Rafael	0.08	0.95	0.56	6.8	29	0.10	3.7	7.0	27	0.07	0.08	0.12	0.10
4AM	Rafael	0.08	1.9	0.92	6.7	29	0.09	3.9	6.8	28	0.07	0.08	0.13	0.10
6AM	Rogelio Reyes	0.09	1.89	1.37	6.69	29.3C	0.09	3.8	6.89	28.4C	0.07	0.07	0.10	0.09
8AM	Rogelio Reyes	0.09	1.85	1.41	6.91	29.0C	0.09	3.7	6.83	28.7C	0.08	0.08	0.10	0.09
10AM	Rogelio Reyes	0.10	2.8	1.59	6.67	29.9C	0.10	3.5	6.78	29.2C	0.12	0.11	0.10	0.10
12PM	Rogelio Reyes	0.11	2.9	1.70	6.76	30.6C	0.10	3.2	6.75	30.1C	0.11	0.11	0.10	0.08
2PM	Rogelio Reyes	0.11	3.5	2.01	6.82	31.4C	0.10	3.8	6.79	30.4C	0.08	0.09	0.09	0.09
4PM	Rogelio Reyes	0.11	3.16	2.10	6.68	31.1C	0.09	4.7	6.76	30.1C	0.07	0.08	0.09	0.08
6PM	Rafael	0.09	3.0	1.8	6.6	30	0.08	4.2	6.6	29	0.07	0.09	0.08	0.08
8PM	Rafael	0.15	2.1	1.4	6.7	28	0.08	3.0	6.7	28	0.08	0.09	0.08	0.07
10PM	Rafael	0.11	1.8	1.0	6.6	28	0.08	4.3	6.7	28	0.08	0.08	0.08	0.09

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	1.0	0.88	29	6.7	8AM				
6AM	0.51	0.61	29.5C	6.86	6AM	0.50	0.68	29.4C	6.89
12PM	0.48	0.52	30.0C	6.82	12PM	0.47	0.58	29.9C	6.81
6PM	~~0.6~~ 0.44	0.65	28	6.7	10pm	0.55	0.72	28	6.7

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	21	120	27	8.2	1136
6AM	13.6	120	28.7C	7.89	1150
12PM	12.4	120	29.8C	8.10	1145
6PM	12	100	29	7.9	

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	0.08	80	29	6.7	314
6AM	0.09	80	29.3C	6.69	375
12PM	0.11	80	30.6C	6.76	738
6PM	0.09	80	30	6.6	0

Webb County Water Utilities

Date: 8-13-14

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.Feel	0.07	2.0	1.9	6.7	28	0.09	3.1	6.6	27	0.09	0.08	0.07	0.14
2AM	R.Feel	0.08	3.5	1.9	6.7	28	0.10	4.5	6.8	28	0.09	0.10	0.10	0.12
4AM	R.Feel	0.09	2.3	0.44	6.7	28	0.09	2.8	6.9	29	0.08	0.09	0.11	0.13
6AM	Rogelio Reyes	0.08	3.1	0.68	6.73	28.6C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
8AM	Rogelio Reyes	0.09	2.2	0.62	6.75	28.8C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
10AM	Rogelio Reyes	0.09	1.40	0.82	6.79	29.7C	0.11	1.98	6.81	29.9C	0.10	0.11	0.11	0.14
12PM	Rogelio Reyes	0.10	3.0	1.30	6.60	30.2C	0.10	2.9	6.74	29.8C	0.08	0.09	0.10	0.12
2PM	Rogelio Reyes	0.10	3.5	0.84	6.59	30.5C	0.09	4.3	6.94	29.7C	0.07	0.08	0.08	0.08
4PM	Rogelio Reyes	0.09	3.4	0.86	6.64	30.6C	0.08	4.2	6.90	29.9C	0.07	0.07	0.08	0.09
6PM	R.Feel	0.08	2.6	0.40	6.5	29	0.09	3.6	6.7	28	0.07	0.07	0.07	0.09
8PM	R.Feel	~~0.0~~ 0.15	2.1	0.52	6.7	29	0.08	3.7	6.7	28	0.08	0.08	0.07	0.09
10PM	R.Feel	0.10	2.0	0.52	6.6	29	0.08	3.4	6.2	28	0.06	0.07	0.08	0.09

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	0.66	0.57	29	6.7	12AM	0.49	0.49	29	6.7
6AM	OFF	OFF	OFF	OFF	6AM	OFF	OFF	OFF	OFF
12PM	0.58	0.56	30.1C	6.74	12PM	0.54	0.60	29.9C	6.77
6PM	0.47	0.72	29	6.7	6PM	~~0.0~~ 0.48	0.65	28	6.7

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	11	100	27	7.9	1172
6AM	OFF	OFF	OFF	OFF	OFF
12PM	19.0	120	30.2C	7.70	1160
6PM	18	100	29	8.0	

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	~~0.075~~	80	28	6.7	309
6AM	0.08	80	28.6C	6.73	350
12PM	0.10	80	30.2C	6.60	415
6PM	0.08	60	29	6.5	

Webb County Water Utilities

Date: 8-14-14

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. Ferel	0.08	1.6	0.75	6.8	29	0.06	3.5	6.7	29	0.06	0.07	0.07	0.09
2AM	R. Ferel	0.09	1.6	0.94	6.6	29	OFF			OFF				
4AM	R. Ferel	0.09	1.6	1.0	6.8	29	OFF			OFF				
6AM	Rogelio Reyes	0.07	1.46	1.12	6.67	28.6°C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
8AM	Rogelio Reyes	0.09	2.09	1.20	6.50	28.8°C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
10AM	Rogelio Reyes	0.09	1.77	1.24	6.43	29.4°C	0.10	3.2	6.63	29.0°C	0.11	0.10	0.09	0.10
12PM	Rogelio Reyes	0.14	2.8	1.72	6.62	30.2°C	0.10	3.5	6.68	29.7°C	0.10	0.09	0.09	0.10
2PM	Rogelio Reyes	0.11	2.9	1.69	6.47	31.1°C	0.10	3.9	6.76	30.0°C	0.06	0.08	0.09	0.11
4PM	Rogelio Reyes	0.10	3.0	2.5		31.0°C	0.10	4.1	6.78	30.0°C	0.07	0.08	0.09	0.10
6PM	R. Ferel	0.11	1.9	1.1	6.4	31	0.08	3.5	6.5	29	0.07	0.09	0.11	0.11
8PM	R. Ferel	0.10	1.7	1.0	6.7	29	0.08	2.9	6.6	29	0.07	0.08	0.09	0.11
10PM	R. Ferel	0.09	1.8	0.5	6.4	29	0.11	4.5	6.5	29	0.15	0.09	0.10	

Clarifiers

Clarifier #1					Clarifier #2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	0.79	0.78	29	6.7	12AM	0.43	0.79	29	6.8
6AM	OFF	OFF	OFF	OFF	6AM	OFF	OFF	OFF	OFF
12PM	0.60	0.63	29.7°C	6.69	12PM	0.50	0.60	29.9°C	6.72
6PM	0.50	0.45	28	6.6	6PM	0.54	0.34	28	6.5

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	20	100	28	7.5	1186
6AM	OFF	OFF	OFF	OFF	OFF
12PM	18.8	100	30.8°C	7.89	1250
6PM	15	100	29	7.6	

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	0.08	80	29	6.8	400
6AM	0.07	80	28.6°C	6.67	380
12PM	0.14	80	30.2°C	6.62	720
6PM	0.11	80	31	6.4	

Webb County Water Utilities

Date: 8-15-14

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	Refuel	0.10	2.1	0.32	6.5	28	0.10	2.9	6.5	29	0.10	0.12	0.08	0.13
2AM	Refuel	0.10	2.0	0.46	6.4	29	0.09	3.5	6.5	29	0.09	0.10	0.08	0.12
4AM	Refuel	0.11	1.8	0.20	6.5	28	0.09	3.9			0.09	0.11	0.08	0.12
6AM	Rogelio Reyes	0.10	1.62	1.00	6.45	28.9C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
8AM	Rogelio Reyes	0.10	1.70	0.95	6.47	29.2C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
10AM	Rogelio Reyes	0.10	2.09	1.02	6.45	29.6C	0.11	3.8	6.56	29.1C	0.11	0.11	0.10	0.13
12PM	Rogelio Reyes	0.10	1.8	0.56	6.46	31.0C	0.10	4.8	6.65	29.2C	0.09	0.10	0.11	0.14
2PM	Rogelio Reyes	0.10	2.10	0.90	6.60	31.8C	0.09	4.9	6.61	30.1C	0.08	0.09	0.09	0.13
4PM	Rogelio Reyes	0.11	2.7	1.51	6.53	32.0C	0.09	4.7		30.7C	0.09	0.09	0.08	0.11
6PM	Refuel	0.10	2.5	1.5	6.7	31	0.08	4.3	6.7	29	0.07	0.08	0.08	0.12
8PM	Refuel	0.09	1.4	0.50	6.7	30	0.07	3.4	6.7	29	0.07	0.08	0.08	0.11
10PM	Refuel	0.09	1.5	0.53	6.6	30	0.07	2.4	6.7	29	0.06	0.07	0.07	0.11

Plant ON @ 8:30AM

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	0.80	0.54	28	6.5	12AM	0.51	0.63	28	6.5
6AM	OFF	OFF	OFF	OFF	6AM	OFF	OFF	OFF	OFF
12PM	0.72	0.30	29.8C	6.58	12PM	0.57	0.39	29.6C	6.60
6PM	0.48	3.0	29	6.7	6PM	0.42	0.31	29	6.7

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM					
6AM	OFF	OFF	OFF	OFF	OFF
12PM	15.9	120	30.6C	7.97	1225
6PM	16	100	30	7.8	1223

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	0.10	80	28	~~2.5~~ 6.5	
6AM	0.10	80	28.9C	6.45	350
12PM	0.10	80	31.0C	6.46	750
6PM	0.10	80	31	6.7	749

Webb County Water Utilities

Date: 8-16-14

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. Ford	0.09	1.2	0.65	6.7	30	0.08	4.0	6.7	29	0.08	0.07	0.07	0.11
2AM	R. Ford	0.08	1.5	1.0	6.8	27	0.07	3.0	6.7	29	0.06	0.08	0.07	0.11
4AM	R. Ford	0.08	1.8	1.1	6.6	29	0.08	3.5	6.7	29	0.06	0.10	0.12	0.11
6AM	Rogelio Reyes	0.09	1.78	1.55	6.65	29.4C	0.08	3.7	6.71	29.4C	0.07	0.09	0.10	0.10
8AM	Rogelio Reyes	0.09	190	1.17	6.72	30.6C	0.08	3.9	6.70	29.9C	0.06	0.08	0.09	0.10
10AM	Rogelio Reyes	0.08	1.51	0.89	6.55	31.5C	0.08	3.8	6.68	30.6C	0.07	0.07	0.08	0.09
12PM	Rogelio Reyes	0.08	1.83	1.21	6.50	32.0C	0.09	4.0	6.74	31.4C	0.08	0.08	0.08	0.10
2PM	Rogelio Reyes	0.09	1.89	1.24	6.52	32.1C	0.08	4.1	6.72	31.8C	0.08	0.08	0.07	0.08
4PM	Rogelio Reyes	0.11	1.56	1.01	6.67	32.2C	0.09	4.2	6.76	31.9C	0.09	0.09	0.08	Backwashing
6PM	R. Ford	0.08	3.0	0.27	6.5	31	0.09	2.5	6.7	29	0.06	0.09	0.07	0.09
8PM	R. Ford	0.08	2.9	0.27	6.5	31	0.08	3.7	6.7	29	0.05	0.08	0.07	0.09
10PM	R. Ford	0.08	3.4	0.21	6.6	30	0.06	3.8	6.7	29	0.05	0.08	0.07	0.09

Clarifiers

Clarifier #1					Clarifier #2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	0.58	0.65	29	6.7	12 AM	0.45	0.75	29	6.6
6AM	0.56	0.63	29.4C	6.69	6 AM	0.47	0.70	29.3C	6.67
12PM	0.61	0.54	30.1C	6.60	12 PM	0.51	0.48	30.0C	6.63
6PM	0.32	0.46	29	6.7	6 PM	0.37	0.33	29	6.6

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	13	100	29	7.8	1217
6AM	10.4	120	28.9C	7.73	1220
12PM	12.8	120	30.7C	7.88	1230
6PM	19	100			

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	0.09	80	30	6.7	390
6AM	0.09	60	29.4C	6.65	385
12PM	0.08	80	31.5C	6.55	780
6PM	0.08	60	31	6.5	390

Webb County Water Utilities

Date: 8-17-14

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.Feel	0.08	3.9	0.17	6.6	30	0.07	3.7	6.7	29	0.05	0.07	0.07	0.11
2AM	R.Feel	0.07	4.2	0.21	6.7	29	0.07	3.8	6.7	29	0.05	0.07	0.07	0.09
4AM	R.Feel	0.10	3.9	0.18	6.7	29	Plant shut down							
6AM	Rogelio Reyes	0.10	3.8	0.22	6.72	29.5C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
8AM	Rogelio Reyes	0.09	3.6	0.19	6.70	29.6C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
10AM	Rogelio Reyes	0.09	2.6	2.10	6.57	31.0C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
12PM	Rogelio Reyes	0.08	2.7	2.12	6.59	31.3C	0.08	3.0	6.65	30.3C	0.08	0.09	0.09	0.10
2PM	Rogelio Reyes	0.09	2.4	1.24	6.50	32.1C	0.08	3.6	6.61	31.0C	0.09	0.08	0.08	0.09
4PM	Rogelio Reyes	0.09	2.5	0.73	6.68	32.4C	0.08	4.0		31.9C	0.08	0.07	0.07	0.08
6PM	R.Feel	0.07	3.5	0.44	6.5	31	0.09	4.2	6.6	30	0.07	0.07	0.07	0.09
8PM	R.Feel	0.09	2.6	0.22	6.7	30	0.08	3.3	6.7	30	0.15	0.07	0.07	0.10
10PM	R.Feel	0.07	2.3	0.27	6.6	30	0.07	4.4	6.6	29	0.08	0.07	0.07	0.09

Clarifiers

Clarifier #1					Clarifier #2				
TIME	NTU'S	CL2 (Free)	TEMP.(F)	pH	TIME	NTU'S	CL2 (Free)	TEMP.(F)	pH
12AM	0.32	0.54	30	6.7	12AM	0.35	0.53	30	6.8
6AM	OFF	OFF	OFF	OFF	6AM	OFF	OFF	OFF	OFF
12PM	0.49	0.58	30.9C	6.68	12PM	0.45	0.50	30.7C	6.74
6PM	0.35	1.06	29	6.7	6PM	0.41	1.04	29	6.7

Raw Water Pump Station

Time	NTU's	Alk.	Temp.(F)	pH	GPM
12AM	11	120	29	7.6	1220
6AM	OFF	OFF	OFF	OFF	OFF
12PM	17.9	120	30.6C	7.83	1255
6PM	19	120			

Treated Water Pump Station

Time	NTU's	Alk.	Temp.(F)	pH	GPM
12AM	0.08	80	30	6.6	375
6AM	0.10	80	29.5C	6.72	0
12PM	0.08	80	31.3C	6.59	750
6PM	0.07	60	31	6.5	

Webb County Water Utilities

Date: 8-18-14

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	R. Ford	0.07	2.0	0.64	6.6	30	0.07	4.0	6.7	29	0.08	0.07	0.06	0.09
2AM	R. Ford	0.09	2.1	0.71	6.6	30	0.07	3.0	6.6	29	0.08	0.07	0.07	0.09
4AM	R. Ford	0.08	1.9	0.88	6.7	29	0.07	3.5	6.7	29	0.08	0.07	0.07	0.10
6AM	[illegible]	.08	2.0	.79	6.7	29	.07	3.3	6.7	28	.08	.06	.07	.09
8AM		.08	2.1	.83	6.7	29	.08	4.8	6.7	28	.07	.16	.33	.09
10AM		.09	2.1	.55	6.7	29	.09	5.2	6.7	28	.07	.10	.13	.10
12PM		.10	1.4	2.8	6.5	30	.09	4.9	6.7	29	.07	.09	.09	.09
2PM	V	.09	2.3	2.2	6.6	30	.10	5.0	6.7	30	.08	.09	.09	.10
4PM		.10	2.9	1.9	6.6	31	.08	4.8	6.7	29	.07	.08	.09	.10
6PM	[illegible]	.10	2.1	1.0	6.6	32	.07	4.5	6.7	29	.07	.08	.08	.10
8PM	[illegible]	.09	3.4	.89	6.6	31	.08	4.4	6.7	29	.08	.07	.09	.10
10PM	[illegible]	.10	2.4	.95	6.6	30	.10	4.3	6.7	30	.07	.08	.07	.09

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	0.33	1.1	29	6.6	12AM	0.30	1.1	29	6.7
6AM	.35	1.3	29	6.7	6AM	.32	1.2	29	6.7
12PM	.51	1.8	29	6.9	12PM	.53	1.3	29	6.7
6PM	.31	.75	29	6.8	6PM	.47	.63	29	6.7

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	18	120	29	7.8	1223
6AM	.14	120	29	8.1	1253
12PM	.13	120	30	7.9	1276
6PM	.14	120	32	7.9	1289

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	0.08	60	30	6.6	390
6AM	.08	80	29	6.7	3.96
12PM	.10	80	30	6.5	6.83
6PM	.10	80	32	6.6	6.76

Webb County Water Utilities

Date: 8-19-14

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	[illegible]	.07	2.2	.43	6.7	30	.09	4.2	6.7	30	.08	.08	.07	.08
2AM	[illegible]	.08	2.4	.45	6.8	29	.09	4.4	6.7	29	.09	.08	.07	.09
4AM	[illegible]	.10	2.3	.41	6.8	29	.10	4.6	6.7	29	.07	.08	.08	.09
6AM	[illegible]	.10	4.0	.22	6.6	29	.11	3.3	6.6	29	.06	.07	.08	.10
8AM	[illegible]	.07	3.3	2.7	6.6	29	.10	3.0	6.6	29	.08	.09	.08	.10
10AM		.08	2.7	0.9	6.5	29	.09	4.5	6.6	29	.08	.08	.08	.10
12PM		.08	2.6	0.8	6.4	30	.08	4.6	6.6	29	.08	.06	.09	.09
2PM		.09	2.8	0.8	6.5	30	.07	5.2	6.6	29	.08	.06	.09	.09
4PM		.08	2.5	1.6	6.4	31	.08	4.6	6.6	30	.08	.07	.08	.09
6PM	[illegible]	.09	2.2	1.3	6.5	31	.07	4.4	6.7	29	.07	.08	.09	.10
8PM	[illegible]	.09	2.2	1.4	6.6	30	.08	4.3	6.8	29	.08	.07	.09	.10
10PM	[illegible]	.08	2.4	.92	6.5	30	.09	5.0	6.5	29	.07	.07	.09	.10

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	.32	1.4	29	6.8	12AM	.34	1.2	29	6.8
6AM	.41	.64	29	6.9	6AM	.43	.62	29	6.9
12PM	.39	.56	30	6.7	12PM	.46	.63	30	6.8
6PM	.29	1.0	29	6.7	6PM	.45	.91	29	6.7

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	13.4	120	30	7.7	1218
6AM	11.2	120	29	7.9	1189
12PM	12.4	120	30	7.9	1196
6PM	10.9	120	30	7.9	1196

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	.07	80	30	6.7	394
6AM	.10	80	29	6.6	391
12PM	.08	80	30	6.4	636
6PM	.09	80	31	6.5	641

Webb County Water Utilities

Date: 8-20-14

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

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 V.	.10	2.5	1.1	6.6	29	.09	4.8	6.5	29	.07	.07	.08	.10
2AM	Jesse V.	.10	2.5	1.3	6.6	29	.08	4.4	6.6	29	.06	.07	.09	.10
4AM	Jesse V.	[illegible]	2.6	1.4	6.6	29	.08	4.7	6.6	29	.06	.06	.07	.11
6AM	Jesse V.	[illegible]	2.7	JV 1.6	6.6	29	.08	4.7	6.6	29	.06	.06	.07	.11
8AM	JAV.	.08	JV 2.9	JV 1.8	6.5	29	.08	4.4	6.7	29	.06	.08	.07	.10
10AM		.07	JV 2.0	JV 0.9	6.5	28	.08	3.9	6.7	28	.05	.08	.07	.11
12PM		.08	JV 2.1	JV 1.0	6.5	30	.09	3.8	6.7	28	.06	.08	.08	.11
2PM		.07	JV 2.0	JV .70	6.5	30	.07	3.6	6.7	29	.06	.07	.07	.10
4PM		.07	2.2	.83	6.5	30	.07	4.0	6.7	29	.07	.06	.06	.09
6PM	Jose A V.	.08	1.67	.47	6.5	31	.06	4.4	6.7	29	.06	.06	.06	.08
8PM	Jesse V.	.08	1.8	.61	6.6	29	.08	4.5	6.7	29	.07	.08	.07	.08
10PM	Jesse V.	.09	4.4	.84	6.6	29	.09	4.7	6.7	29	.09	.08	.09	.08

Clarifiers

Clarifier #1					Clarifier #2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	.33	1.7	29	6.9	12AM	.32	1.1	29	6.9
6AM	.34	1.4	29	6.9	6AM	.38	1.2	29	6.9
12PM	.33	.96	29	6.7	12PM	.38	.94	29	6.7
6PM	.53	.50	29	6.7	6PM	.50	.69	29	6.7

Raw Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	9.3	120	30	7.9	1183
6AM	9.2	120	30	7.9	1195
12PM	8.8	120	29	7.5	1186
6PM	7.8	100	31	7.9	1201

Treated Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	.10	80	29	6.6	693
6AM	.07	80	29	6.6	380
12PM	.09	80	30	6.5	369
6PM	.08	80	31	6.5	673

Webb County Water Utilities

Date: 8.21.14

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.	.09	4.3	.83	6.6	29	.08	4.6	6.7	29	.08	.08	.09	.08
2AM	Jesse.	.08	4.0	.61	6.6	29	OFF	—	—	—	—	—	—	OFF
4AM	Jesse.	.09	3.7	.57	6.6	29	OFF	—	—	—	—	—	—	OFF
6AM	Jesse.	.08	3.0	.44	6.6	29	OFF	—	—	—	—	—	—	OFF
8AM	A.V.	.08	2.6	1.9	6.6	29	.08	3.5	6.7	29	.08	.08	.08	.09
10AM		.07	3.0	2.4	6.6	29	.07	3.7	6.7	29	.09	.09	.08	.11
12PM		.07	2.9	2.0	6.6	29	.08	3.4	6.7	29	.08	.08	.09	.10
2PM		.07	2.9	2.1	6.6	30	.07	3.3	6.7	29	.07	.08	.08	.09
4PM		.07	2.4	.84	6.6	31	.07	3.3	6.7	29	.06	.07	.07	.08
6PM	A.V.	.07	2.8	.34	6.6	31	.06	3.3	6.7	29	.06	.06	.06	.08
8PM	Jesse.	.08	2.6	.28	6.6	30	.07	3.7	6.8	29	.07	.06	.07	.09
10PM	Jesse.	.10	2.4	.25	6.6	30	.08	3.6	6.8	29	.08	.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	.44	1.08	29	6.9	12AM	.47	.81	29	6.7
6AM	OFF	—	—	—	6AM	—	—	—	OFF
12PM	.51	.96	29	6.8	12PM	.53	.72	29	6.8
6PM	.44	.76	29	6.8	6PM	.70	.69	29	6.8

Raw Water Pump Station

Time	NTU's	Alk.	Temp.(F)	pH	GPM
12AM	9.1	120	~~29~~ 29	7.9	1196
6AM	OFF	—	—	—	OFF
12PM	11.5	120	29	7.9	1206
6PM	12.9	120	30	7.8	1200

Treated Water Pump Station

Time	NTU's	Alk.	Temp.(F)	pH	GPM
12AM	.09	80	~~6.6~~ 29	6.6	390
6AM	~~.08~~	80	~~6.~~ 29	6.6	380
12PM	.07	80	29	6.6	369
6PM	.07	80	31	6.6	631

Webb County Water Utilities

Date: 8-22-14

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.	.09	2.6	.20	6.5	29	.07	3.8	6.8	29	.07	.07	.08	.09
2AM	Jesse.	.08	2.3	.24	6.6	29	—	—	—	—	—	—	—	—
4AM	Jesse.	.09	1.9	.18	6.6	29	—	—	—	—	—	—	—	—
6AM	Jesse.	.09	1.4	.17	6.6	29	—	—	—	—	—	—	—	—
8AM	Jr A.V.	.07	3.8	2.6	6.6	29	.07	3.8	6.7	28	.07	.07	.14	.09
10AM	Jr V.	.07	3.0	2.9	6.6	29	.08	3.9	6.7	28	.07	.07	.12	.10
12PM	Jr V.	.08	3.1	2.8	6.6	29	.08	3.8	6.7	29	.06	.07	.10	.09
2PM	↓	.08	4.6	3.4	6.8	30	.07	3.8	6.8	29	.05	.08	.08	.09
4PM	↓	.08	3.0	1.8	6.8	30	.07	3.7	6.8	29	.05	.08	.08	.08
6PM	Jr V.	.16	2.5	0.9	6.8	30	.05	3.3	6.8	29	.05	.07	.07	.10
8PM	Jesse.	.12	3.3	.24	6.9	29	.08	3.0	6.8	29	.06	.08	.08	.10
10PM	Jesse.	.12	3.0	.23	6.8	29	.07	3.1	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	.46	2.4	29	6.9	12AM	.61	.84	29	6.9
6AM	—	—	—	—	6PM	—	—	—	—
12PM	.44	1.8	29	6.9	12PM	.54	1.3	29	6.9
6PM	.36	.70	29	6.8	6PM	.81	.60	29	6.8

Raw Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	13.1	120	~~7.8~~ 30	7.8	1189
6AM	—	—	—	~~7~~	0
12PM	.31	120	29	8.1	1163
6PM	22.3	120	30	7.9	1463

Treated Water Pump Station

Time	NTU'S	Alk.	Temp. (F)	pH	GPM
12AM	.09	80	6.5	29	780
6AM	.09	80	6.6	~~29~~	380
12PM	.08	80	~~29~~	6.6	778
6PM	.16	80	30	6.8	810

Webb County Water Utilities

Date: Jesse 8-23-14

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	Jesse.	.09	3.1	.22	6.9	29	.08	3.3	6.8	29	.08	.08	.07	.10
2AM	Jesse.	.09	3.3	.26	6.9	29	.07	3.1	6.8	29	.07	.08	.08	.11
4AM	Jesse.	.10	3.4	.24	6.8	29	.08	2.9	6.8	28	.09	.09	.07	.10
6AM	Jesse.	.11	3.9	.28	6.8	28	.09	2.3	6.8	28	.09	.11	.07	.09
8AM	J.V.	.12	3.6	.23	6.8	28°	.10	2.9	6.8	28°	.08	.09	.11	.13
10AM	↓	.13	3.7	.28	6.8	29°	.10	2.6	6.8	29°	.07	.09	.13	.12
12PM		.13	3.5	.29°	6.8	29°	.10	2.8	6.8	29°	.09	.11	.11	.12
2PM	↓	.13	2.9	2.4	6.9	29°	.10	2.3	6.8	29°	.10	.09	.11	.11
4PM	J.V.	.12	1.87	.65	6.8	29°	.09	2.8	6.8	28°	.09	.09	.10	.11
6PM	J.V.	.12	1.37	.65	6.8	30°	.09	3.1	6.8	28	.08	.09	.10	.11
8PM	Jesse	.12	1.5	.64	6.8	29	.10	3.0	6.8	29	.08	.09	.11	.12
10PM	Jesse.	.14	1.6	.63	6.8	29	.14	2.7	6.8	29	.08	.10	.12	.14

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	.35	.71	29	6.9	12AM	.81	.56	29	6.9
6AM	.385	.69	29	6.9	6AM	.83	.62	29	6.9
12PM	.40	.64	29	6.9	12PM	.68	6.9	29	6.9
6PM	.55	.71	28°	6.9	6PM	.64	.59	28°	6.9

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	19.8	120	30	7.9	1450
6AM	19.7	120	29	7.9	1421
12PM	16.9	120	29	8.0	1428
6PM	16.3	120	30°	7.8	

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	.09	80	29	6.9	790
6AM	.11	80	28°	6.8	454
12PM	.13	80	29°	6.8	786
6PM	.12	80	30°	6.8	

Webb County Water Utilities

Date: 8-24-14

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	Jesse.	.12	1.9	.41	6.8	29	.12	3.0	6.8	29	.08	.10	.12	.13
2AM	Jesse.	.10	2.0	.33	6.8	29	.10	2.9	6.8	29	.09	.09	.10	.10
4AM	Jesse.	.09	2.1	.28	6.8	29	.10	2.7	6.8	29	.07	.09	.10	.12
6AM	Jesse.	.09	2.2	.27	6.7	29	.09	2.6	6.8	29	.08	.09	.09	.11
8AM	[illegible]	.12	.83	29	6.7	25°	.11	28	6.8	29°	.11	.[illegible]	.11	.10
10AM	↓	.13	2.0	.26	6.7	29°	.10	3.0	6.8	29°	.10	.10	.10	.11
12PM		.13	2.1	.25	6.7	29°	.09	3.1	6.8	29°	.07	.08	.09	.11
2PM		.12	2.3	.29	6.7	29°	.10	3.3	6.7	29°	.07	.07	.09	.12
4PM	↓	.12	1.9	.56	6.7	29°	.10	3.2	6.7	29°	.07	.08	.09	.12
6PM	Jesse.	.12	1.56	.87	6.7	30°	.10	3.0	6.8	28°	.08	.09	.10	.12
8PM	Jesse.	.11	1.8	.71	6.8	29	.10	3.3	6.9	28	.09	.08	.10	.11
10PM	Jesse.	.11	2.2	.37	6.8	29	.09	3.1	6.9	28	.09	.08	.09	.10

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU's	CL2 (Free)	TEMP. (F)	pH	TIME	NTU's	CL2 (Free)	TEMP. (F)	pH
12AM	.57	.98	29	6.9	12AM	.58	1.4	29	6.8
6AM	.58	.73	29	6.9	6AM	.65	1.4	29	6.8
12PM	.56	1.03	29°	6.9	12PM	.69	1.6	29	6.9
6PM	.48	.98	30°	6.8	6PM	.56	.62	30°	6.7

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	15.1	120	29	7.9	1398
6AM	13.6	120	29	7.9	1396
12PM	15.9	120	29°	7.9	1376
6PM	12.7	120	30°	8.0	1389

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	.12	80	~~6.8~~ 29	6.8	910
6AM	.09	80	29	6.8	380
12PM	.13	80	29°	6.7	945
6PM	.12	80	30°	6.7	676

Webb County Water Utilities

Date: 8-25-14

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	Jesse.	.10	3.0	.38	6.4	28	.10	3.3	6.9	28	.08	.08	.09	.16
2AM	Jesse.	.10	3.0	.41	6.7	28	.10	3.2	6.9	28	.09	.08	.08	.10
4AM	Jesse	.11	3.1	.45	6.7	29	.16	3.1	6.9	28	.09	.08	.09	.17
6AM	Jesse -	.12	3.0	.43	6.7	29	.09	3.0	6.9	28	.08	.08	.09	.10
8AM	R.Ruel	0.16	2.2	0.22	6.8	28	0.08	2.7	6.5	28	0.07	0.07	0.08	0.10
10AM	R.Ruel	0.10	2.2	0.24	6.4	29	0.07	2.7	6.4	28	0.09	0.07	0.09	0.11
12PM	R.Ruel	0.10	2.2	0.31	6.4	29	0.08	2.7	6.4	28	0.08	0.10	0.07	0.10
2PM	R.Ruel	0.11	2.3	0.24	6.5	28	0.08	2.7	6.5	28	0.07	0.09	0.11	0.10
4PM	R.Ruel	0.10	2.8	0.34	6.4	30	0.08	2.3	6.5	28	0.07	0.11	0.09	0.13
6PM	R.Ruel	0.10	3.5	0.23	6.4	30	0.09	3.2	6.5	29	0.08	0.08	0.08	0.14
8PM	RogelioReyes	0.09	3.3	0.29	6.48	29.8C	0.08	2.9	6.54	29.5C	0.07	0.07	0.08	0.12
10PM	RogelioReyes	0.10	3.7	1.12	6.49	29.1C	0.09	3.1	6.48	29.0C	0.09	0.08	0.09	0.13

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP.(F)	pH	TIME	NTU'S	CL2 (Free)	TEMP.(F)	pH
12AM	.49	.99	29	6.9	12AM	.57	.71	29	6.9
6AM	.49	1.0	29	6.9	6AM	.861	.61	29	6.9
12PM	0.87	0.46	29	6.5	12PM	0.46	0.36	29	6.5
6PM	0.41	0.41	28	6.6	6AM	0.64	0.21	28	6.5

Raw Water Pump Station

Time	NTU'S	Alk.	Temp.(F)	pH	GPM
12AM	12.7	180	30	7.9	1379
6AM	12.6	170	30	7.9	1373
12PM	12	100	29	7.2	1352
6PM	15	100	30	7.3	1352

Treated Water Pump Station

Time	NTU'S	Alk.	Temp.(F)	pH	GPM
12AM	.16	80	28	6.6	
6AM	.12	80	29	6.7	796
12PM	0.10	60	29	6.9	400
6PM	0.10	60	30	6.9	794

Webb County Water Utilities

Date: 8/26/14

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 Reyna	0.10	3.4	0.39	6.45	29.3C	0.10	3.7	6.50	29.4C	0.10	0.09	0.10	0.13
2AM	Rogelio Reyna	0.09	3.3	0.40	6.58	29.1C	0.09	3.4	6.48	29.0C	0.09	0.11	0.09	0.12
4AM	Rogelio Reyna	0.08	3.6	0.37	6.71	29.0C	0.08	3.9	6.45	28.9C	0.09	0.08	0.08	0.11
6AM	Rogelio Reyna	0.09	3.4	0.34	6.47	28.9C	0.09	3.9	6.54	28.4C	0.09	0.08	0.09	0.10
8AM	R. Frel	0.08	2.5	0.22	6.5	25	0.08	4.1	6.5	28	0.06	0.08	0.08	0.10
10AM	R. Frel	0.08	2.8	0.29	6.3	29	0.07	3.9	6.3	28	0.09	0.06	0.07	0.09
12PM	R. Frel	0.11	2.2	0.30	6.4	29	0.10	2.6	6.4	.29	0.09	0.10	0.14	0.11
2PM	R. Frel	0.09	2.2	0.37	6.3	29	0.08	2.7	6.4	28	0.08	0.08	0.09	0.09
4PM	R. Frel	0.09	2.1	0.39	6.4	30	0.07	2.9	6.5	28	0.07	0.07	0.08	0.10
6PM	R. Frel	0.09	2.1	0.31	6.3	30	0.08	3.2	6.4	29	0.09	0.07	0.10	0.11
8PM	Rogelio Reyna	0.08	2.1	0.28	6.54	30.1C	0.09	3.1	6.45	29.9C	0.08	0.08	0.08	0.10
10PM	Rogelio Reyna	0.11	2.2	0.29	6.59	30.0C	0.08	3.3	6.49	29.8C	0.09	0.10	0.09	0.12

3 H.S. Pumps

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	0.54	0.40	29.0C	6.48	12AM	0.55	0.43	29.1C	6.50
6AM	0.52	0.59	28.7C	6.52	6AM	0.55	0.62	28.8C	6.55
12PM	0.45	0 78	27	6.3	12PM	0.63	0 . 76	28	6. 4
6PM	0 . 27	0.56	29	6.4	6 PM	0.76	0 . 52	29	6. 4

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	11.9	100	29.2C	7.63	1380
6AM	10.8	100	29.1C	7.67	1350
12PM	18	100	28	7.6	1335
6PM	14	100	30	7.5	1332

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	0.10	100	29.3C	6.45	745
6AM	0.09	80	28.9C	6.47	450
12PM	0.08	60	29	6.3	740
6PM	0.09	60	30	6.3	671

Webb County Water Utilities

Date: 8/27/14

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	RogelioReyes	0.10	2.1	0.27	6.51	29.6C	0.09	3.7	6.52	29.4C	Backwashing w/ Airscour			
2AM	RogelioReyes	0.12	2.1	0.30	6.47	29.2C	0.09	3.6	6.49	29.3C	0.10	0.12	0.11	0.14
4AM	RogelioReyes	0.11	2.0	0.49	6.63	29.1C	0.09	3.4	6.58	28.8C	0.07	0.09	0.09	0.11
6AM	RogelioReyes	0.11	1.9	0.60	6.71	28.8C	0.09	3.6	6.67	28.5C	0.06	0.08	0.09	0.10
8AM	R.Ruiz	0.10	1.9	0.38	6.5	25	0.14	3.4	6.5	27	0.06	0.07	0.09	0.10
10AM	R.Ruiz	0.14	2.3	0.18	6.4	29	0.08	3.2	6.5	28	0.09	0.07	0.08	0.10
12PM	R.Ruiz	0.09	2.8	0.22	6.5	29	0.06	4.1	6.5	29	0.06	0.07	0.07	0.08
2PM	R.Ruiz	0.09	3.9	0.19	6.4	29	0.05	4.1	6.5	25	0.05	0.06	0.06	0.08
4PM	R.Ruiz	0.09	3.6	0.25	6.4	30	0.05	4.3	6.5	29	0.05	0.05	0.06	0.08
6PM	R.Ruiz	0.08	3.7	0.21	6.5	30	0.05	4.1	6.6	28	0.05	0.06	0.06	0.08
8PM	RogelioReyes	0.09	4.0	0.24	6.41	29.7C	0.06	4.2	6.54	28.9C	0.06	0.07	0.06	0.09
10PM	RogelioReyes	0.08	3.8	0.26	6.43	29.5C	0.06	4.0	6.49	28.7C	0.05	0.05	0.06	0.08

Clarifiers

Clarifier #1					Clarifier #2				
TIME	NTU'S	CL2 (Free)	TEMP.(F)	pH	TIME	NTU'S	CL2 (Free)	TEMP.(F)	pH
12AM	0.56	0.59	29.6C	6.55	12AM	0.61	0.57	29.7C	6.53
6AM	0.60	0.56	28.4C	6.61	6AM	0.64	0.52	28.5C	6.65
12PM	0.47	1.19	28	6.5	12PM	0.77	1.12	28	6.5
6PM	0.43	0.75	28	6.5	6PM	1.5	0.63	28	6.5

Raw Water Pump Station

Time	NTU's	Alk.	Temp.(F)	pH	GPM
12AM	8.61	120	29.2C	7.56	1350
6AM	8.52	120	28.3C	7.74	1336
12PM	8	100	28	7.5	1109
6PM	12	100		7.5	113

Treated Water Pump Station

Time	NTU's	Alk.	Temp.(F)	pH	GPM
12AM	0.10	60	29.6C	6.51	410
6AM	0.11	60	28.8C	6.71	0
12PM	0.14	68 60	29	6.4	410
6PM	0.06	60	30	6.5	316

Webb County Water Utilities

Date: 8/28/14

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	RogelioKeyes	0.07	3.9	0.21	6.45	29.4C	0.08	3.9	6.55	28.6C	0.06	0.06	0.07	0.08
2AM	RogelioKeyes	0.06	4.0	0.24	6.47	29.0C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
4AM	RogelioKeyes	0.08	3.7	0.23	6.44	28.8C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
6AM	RogelioKeyes	0.07	5.6	0.34	6.57	29.0C	0.10	4.0	6.52	28.8C	0.09	0.09	0.08	0.13
8AM	R.Fa	0.06	4.1	0.31	6.6	27	0.04	4.5	6.5	28	0.03	0.04	0.04	0.08
10AM	R.Fael	0.08	4.6	0.09	6.4	29	0.05	3.1	6.5	28	0.06	0.06	0.06	0.08
12PM	R.Fael	0.07	4.0	0.26	6.4	29	0.05	3.6	6.5	28	0.05	0.06	0.06	0.07
2PM	R.Fael	0.11	4.0	0.29	6.5	29	0.05	4.1	6.6	28	0.04	0.05	0.05	0.07
4PM	R.Fael	0.08	3.7	0.22	6.5	30	0.06	3.5	6.5	30	0.04	0.05	0.05	0.07
6PM	R.Fael	0.09	3.9	0.10	6.6	30	0.04	4.0	6.6	30	0.05	0.05	0.05	0.09
8PM	RogelioKeyes	0.08	3.6	4.1	6.55	29.9C	0.06	3.9	6.58	30.1C	0.05	0.05	0.06	0.08
10PM	RogelioKeyes	0.08	3.7	4.0	6.53	29.7C	0.05	3.8	6.57	30.0C	0.05	0.06	0.05	0.08

Clarifiers

Clarifier #1					Clarifier #2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	1.24	0.59	29.7C	6.51	12AM	1.12	0.64	29.7C	6.54
6AM	0.88	0.64	28.9C	6.52	6AM	OFF	OFF	OFF	OFF
12PM	1.6	0.79	28	6.5	12PM	1.5	0.54	28	6.5
6PM	0.35	0.98	29	6.6	6PM	1.3	0.70	29	6.6

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	7.58	100	29.8C	7.58	1150
6AM	7.49	120	28.1C	7.54	1129
12PM	7	100	28	7.5	1131
6PM	7	100	31	7.4	1131

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	0.07	60	29.4	6.45	410
6AM	0.07	60	29.0C	6.57	400
12PM	0.07	60	29	6.4	396
6PM	0.04	60	30	6.6	618

Webb County Water Utilities

Date: 8/29/14

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) 29.6C	FILTER 1 NTU'S	FILTER 2 NTU'S	FILTER 3 NTU'S	FILTER 4 NTU'S
12AM	RogelioReyes	0.07	3.8	4.1	6.54	29.4C	0.05	4.0	6.59	[illegible]	0.05	0.05	0.05	0.07
2AM	RogelioReyes	0.07	3.2	2.12	6.55	29.4C	0.06	3.6	6.65	29.2C	0.05	0.05	Backwashing	Backwashing
4AM	RogelioReyes	0.09	2.4	0.53	6.58	29.2C	0.07	3.5	6.62	29.1C	Backwashing	Backwashing	0.09	0.12
6AM	RogelioReyes	0.10	3.4	0.20	6.46	29.1C	0.08	5.2	6.89	28.6C	0.08	0.09	0.08	0.08
8AM	R.Leal	0.09	2.9	0.40	6.6	29	0.11	3.4	6.6	28	0.09	0.10	0.08	0.17
10AM	R.Leal	0.09	3.1	0.40	6.6	29	0.07	4.0	6.6	28	0.08	0.16	0.08	0.09
12PM	R.Leal	0.10	3.2	0.41	6.8	29	0.08	4.3	6.5	29	0.09	0.10	0.08	0.09
2PM	R.Leal	0.09	3.4	0.44	6.5	29	0.08	3.1	6.6	28	0.09	0.09	0.08	0.09
4PM	R.Leal	0.10	3.2	0.44	6.6	29	0.07	4.1	6.5	29	0.09	0.09	0.07	0.09
6PM	R.Leal	0.09	3.0	0.35	6.6	29	0.08	4.4	6.6	28	0.07	0.09	0.07	0.09
8PM	RogelioReyes	0.09	3.1	0.32	6.68	30.0C	0.08	4.0	6.67	28.9C	0.07	0.08	0.07	0.09
10PM	RogelioReyes	0.08	3.4	0.41	6.62	29.7C	0.08	4.1	6.62	28.8C	0.07	0.08	0.08	0.08

Clarifiers

Clarifier #1					Clarifier #2				
TIME	NTU'S	CL2 (Free)	TEMP.(F)	pH	TIME	NTU'S	CL2 (Free)	TEMP.(F)	pH
12AM	0.39	0.74	29.6C	6.61	12AM	0.97	0.67	29.8C	6.59
6AM	0.37	0.77	28.5C	6.80	6AM	1.13	0.76	28.7C	6.81
12PM	0.35	0.68	28	6.6	12PM	1.2	0.60	28	6.5
6PM	0.37	1.0	28	6.6	6PM	1.41	1.0	28	6.6

Raw Water Pump Station

Time	NTU'S	Alk.	Temp.(F)	pH	GPM
12AM	7.39	100	29.8C	7.66	1130
6AM	7.50	120	28.9C	7.64	1135
12PM	7.4	100	28	7.41	1132
6PM					

Treated Water Pump Station

Time	NTU'S	Alk.	Temp.(F)	pH	GPM
12AM	0.07	80	29.4C	6.54	398
6AM	0.10	80	29.1C	6.46	400
12PM	0.10	60	29	6.8	396
6PM	0.09	80	29	6.7	343

Webb County Water Utilities

Date: 8/30/17

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	3.6	0.30	6.62	29.6C	0.07	4.3	6.70	29.3C	0.07	0.08	0.07	0.08
2AM	Rogelio Reyes	0.08	3.5	0.14	6.61	29.4C	0.08	3.9	6.68	29.0C	0.07	0.08	0.06	0.08
4AM	Rogelio Reyes	0.09	3.4	0.13	6.64	29.4C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
6AM	Rogelio Reyes	0.09	2.5	0.18	6.69	29.3C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
8AM	R. Facl	0.09	2.7	0.32	6.5	29	OFF	—	—	—	—	Plant	Shut	down
10AM	R. Facl	0.10	3.1	0.23	6.3	29	0.06	4.5	6.4	29	0.08	0.08	0.06	0.07
12PM	R. Facl	0.08	2.7	0.23	6.4	30	0.06	3.4	6.6	28	0.07	0.08	0.07	0.08
2PM	R. Facl	0.09	3.4	0.30	6.5	30	0.06	3.9	6.5	29	0.06	0.07	0.08	0.09
4PM	R. Facl	0.08	3.2	0.23	6.51	29	0.07	3.5	6.5	29	0.09	0.08	0.06	0.08
6PM	R. Facl	0.08	3.8	0.24	6.5	30	0.06	3.2	6.5	29	0.07	0.07	0.06	0.08
8PM	Rogelio Reyes	0.08	3.7	0.32	6.57	30.0C	0.07	3.8	6.61	29.8C	0.08	0.07	0.06	0.08
10PM	Rogelio Reyes	0.09	3.6	0.30	6.54	29.8C	0.07	3.9	6.58	29.6C	Backwashing All 4			15MINS Water ONLY

Clarifiers

Clarifier # 1					Clarifier # 2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	0.33	0.68	29.3C	6.67	12AM	1.28	0.72	29.3C	6.66
6AM	OFF	OFF	OFF	OFF	6AM	OFF	OFF	OFF	OFF
12PM	0.44	0.87	28	6.6	12PM	0.62	0.76	28	6.6
6PM	0.40	0.46	29	6.6	4PM	0.84	0.51	29	6.6

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	7.30	120	29.1C	7.70	1130
6AM	OFF	OFF	OFF	OFF	OFF
12PM	12	100	30	7.6	1131
6PM					

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	0.08	80	29.6C	6.62	389
6AM	0.09	80	29.3C	6.69	OFF
12PM	0.08	80	30	6.4	401
6PM	0.08	80	30	6.5	

Webb County Water Utilities

Date: 8/31/14

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	RogelioReyes	0.09	3.8	0.18	6.58	29.3C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
2AM	RogelioReyes	0.09	3.1	0.19	6.60	29.4C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
4AM	RogelioReyes	0.10	2.7	0.22	6.56	29.1C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
6AM	RogelioReyes	0.10	2.5	0.24	6.53	29.2C	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
8AM	R.Ruel	0.09	3.1	0.26	6.5	29	0.07	3.2	6.7	29	0.07	0.08	0.07	0.09
10AM	R.Ruel	0.09	3.0	0.22	6.5	29	0.06	3.5	6.6	28	0.07	0.08	0.07	0.08
12PM	R.Ruel	0.12	2.5	0.25	6.4	29	0.06	3.5	6.6	29	0.09	0.08	0.06	0.07
2PM	R.Ruel	0.08	2.1	0.30	6.5	29	0.07	3.3	6.5	29	0.07	0.08	0.06	0.10
4PM	R.Ruel	0.09	1.9	0.45	6.5	30	0.06	4.3	6.6	29	0.07	0.08	0.06	0.07
6PM	R.Ruel	0.09	2.0	0.32	6.4	30	0.05	3.7	6.5	29	0.06	0.07	0.06	0.06
8PM	RogelioReyes	0.09	1.19	0.26	6.40	29.9C	0.05	3.0	11.44	29.8C	0.06	0.06	0.06	0.07
10PM	RogelioReyes	0.08	1.29	0.23	6.34	29.8C	0.05	2.10	6.42	29.9C	0.05	0.05	0.05	0.07

PLANT OFF @ 11:50PM

Clarifiers

Clarifier #1					Clarifier #2				
TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH	TIME	NTU'S	CL2 (Free)	TEMP. (F)	pH
12AM	OFF	OFF	OFF	OFF	12AM	OFF	OFF	OFF	OFF
6AM	.30FF	OFF	OFF	OFF	6AM	OFF	OFF	OFF	OFF
12PM	0.32	1.0	29	6.5	12PM	0.37	1.0	29	6.5
6PM	0.31	1.0	29	6.5	6PM	0.59	1.1	29	6.5

Raw Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	OFF	OFF	OFF	OFF	OFF
6AM	OFF	OFF	OFF	OFF	OFF
12PM	11	100	28	7.7	1132
6PM	11	100	30	7.6	80

Treated Water Pump Station

Time	NTU's	Alk.	Temp. (F)	pH	GPM
12AM	0.09	80	29.3C	6.58	0
6AM	0.10	80	29.2C	6.53	389
12PM	0.12	80	29	6.4	369
6PM	0.09	40	30	6.4	749