

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: City of Corsicana

PLANT NAME

OR NUMBER: Navarro Mills

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

PWS ID No.: 1750002

Operator's Signature: _____

Report for

the Month of: August 2010

Certificate No. & Grade: WO0004220, A

Date: September 1, 2010

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	<u>184</u>	Number of 4-hour periods when plant was off-line:	<u>2</u>
Number of readings above 0.10 NTU:	<u>110</u>	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	<u>0</u>
Number of readings above 0.3 NTU:	<u>0</u>	Number of days when plant was on-line but individual filter turbidity data was not collected:	<u>0</u>
Number of readings above 0.5 NTU:	<u>0</u>	Number of days with readings above 1.0 NTU:	<u>0</u> (2)
Number of readings above 1.0 NTU:	<u>0</u>	Number of days with readings above 5.0 NTU:	<u>0</u> (3)
Maximum allowable turbidity level:	<u>0.3</u>		
Percentage of readings above this limit:	<u>0.0</u> % (1)		

Statistical Summary

Maximum turbidity reading:	<u>0.34</u> NTU	Average turbidity value:	<u>0.14</u> NTU
Minimum turbidity reading:	<u>0.04</u> NTU	Standard deviation:	<u>0.073</u> NTU
CFE 95 th percentile value:	<u>0.31</u> NTU	IFE 95 th percentile:	<u>0.438</u> NTU

Number of days with a low CT for no more than 4.0 consecutive hours:	<u>0</u>	Average log inactivation for Giardia:	<u>NA</u>
Number of days with a low CT for more than 4.0 consecutive hours:	<u>0</u> (4)	Average log inactivation for viruses:	<u>NA</u>
		Number of days when profiling data was not collected:	<u>31</u>
		Number of days when CT data was not collected:	<u>31</u>

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:	<u>0</u>	Number of days when disinfectant residual leaving the plant was not properly monitored:	<u>0</u>
Number of days with a low residual for more than 4.0 consecutive hours:	<u>0</u> (5)		

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:	<u>0.5</u> mg/L, measured as Total Chlorine		
Total number of readings this month:	<u>61</u>	(at least 31 required) (8)	
Average disinfectant residual value:	<u>2.21</u>	Percentage of readings with a low residual this month:	<u>0.0</u> % (6A)
Number of readings with a low residual:	<u>0</u>		
Number of readings with no detectable residual:	<u>0</u>	Percentage of readings with a low residual last month:	<u>0.0</u> % (6B)

ADDITIONAL REPORTS & WORKSHEETS

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

Additional report(s) for individual filter monitoring required:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter Profile	<input type="radio"/> Filter Assessment	<input type="radio"/> CPE
Additional report(s) for individual filter monitoring submitted:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter Profile (9)	<input type="radio"/> Filter Assessment (10)	<input type="radio"/> 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: City of Corsicana

PLANT NAME OR NUMBER: Navarro Mills

PWS ID No.: 1750002

Connections: 10,733

Month: August Year: 2010

Population: 28,500

PERFORMANCE DATA																		
Date	Raw Water Pumpage (MGD)	Treated Water Pumpage (MGD)	RAW WATER ANALYSES		SETTLED WATER TURBIDITY (Mandatory Data)						FINISHED WATER QUALITY							
			NTU	Alk.	Basin No.						Turbidity						Lowest Residual	Time
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6		
1	7.950	8.194	18	98	0.3	0.4	0.3	0.4	0.4	0.3	0.05	0.06	0.05	0.05	0.05	0.06	2.9	
2	8.860	8.428	16	97	0.3	0.3	0.3	0.4	0.4	0.3	0.06	0.05	0.04	0.04	0.04	0.04	3.2	
3	8.850	8.679	17	96	0.3	0.4	0.4	0.4	0.4	0.4	0.06	0.06	0.05	0.06	0.07	0.09	2.9	
4	8.850	8.697	15	89	0.4	0.4	0.6	0.4	0.4	0.4	0.10	0.10	0.11	0.13	0.15	0.15	3.2	
5	8.810	8.813	13	90	0.3	0.4	0.3	0.3	0.3	0.3	0.15	0.14	0.12	0.12	0.12	0.11	2.7	
6	8.590	8.206	15	91	0.3	0.3	0.4	0.4	0.3	0.3	0.11	0.11	0.11	0.11	0.10	0.08	3.1	
7	6.850	7.321	14	97	0.4	0.4	0.4	0.4	0.3	0.3	0.09	0.09	0.08	0.08	0.08	0.09	3.1	
8	6.590	6.909	14	95	0.3	0.4	0.3	0.4	0.3	0.4	0.09	0.09	0.09	0.09	0.11	0.11	2.8	
9	7.300	7.237	17	94	0.3	0.3	0.5	0.3	0.3	0.3	0.12	0.12	0.11	0.10	0.11	0.12	2.6	
10	8.680	8.396	17	91	0.4	0.5	0.5	0.5	0.5	0.4	0.15	0.15	0.18	0.17	0.18	0.17	1.4	
11	8.700	7.966	15	91	0.6	0.8	0.7	0.8	0.7	0.7	x	x	0.24	0.18	0.25	0.31	1.9	
12	9.200	9.480	18	97	0.8	0.9	0.8	1.0	0.9	1.0	0.31	0.31	0.33	0.30	0.27	0.23	2.8	
13	9.150	9.103	17	95	0.8	0.8	1.0	0.8	0.9	0.8	0.27	0.30	0.32	0.31	0.31	0.32	3.2	
14	9.090	8.954	16	98	0.5	0.6	0.6	0.7	0.6	0.7	0.34	0.33	0.28	0.27	0.27	0.29	3.2	
15	8.940	8.685	20	100	0.5	0.5	0.5	0.6	0.5	0.5	0.30	0.25	0.23	0.21	0.22	0.19	3.2	
16	8.910	8.867	15	99	0.6	0.6	0.6	0.5	0.6	0.5	0.18	0.18	0.17	0.17	0.17	0.18	3.1	
17	8.890	8.658	14	97	0.4	0.5	0.4	0.5	0.5	0.5	0.23	0.23	0.24	0.21	0.21	0.22	2.7	
18	8.810	8.354	14	96	0.5	0.4	0.4	0.4	0.5	0.4	0.22	0.19	0.18	0.16	0.15	0.14	2.9	
19	8.410	7.843	11	97	0.5	0.5	0.5	0.6	0.5	0.4	0.13	0.12	0.13	0.13	0.12	0.13	3.3	
20	7.150	7.814	14	95	0.3	0.5	0.4	0.5	0.4	0.4	0.16	0.16	0.20	0.23	0.21	0.20	3.3	
21	7.070	6.876	13	100	0.5	0.5	0.6	0.6	0.5	0.5	0.17	0.15	0.15	0.15	0.15	0.15	3.0	
22	7.870	8.076	14	99	0.5	0.6	0.6	0.7	0.5	0.6	0.15	0.14	0.13	0.11	0.12	0.13	2.9	
23	8.970	8.147	26	99	0.6	0.5	0.7	0.6	0.6	0.5	0.13	0.13	0.12	0.11	0.11	0.11	2.5	
24	8.950	7.950	28	98	0.4	0.7	0.6	0.6	0.4	0.5	0.13	0.13	0.11	0.11	0.12	0.11	2.7	
25	7.020	7.999	30	96	0.5	0.6	0.6	0.6	0.5	0.5	0.10	0.10	0.08	0.07	0.09	0.09	2.8	
26	6.450	5.841	27	98	0.4	0.4	0.5	0.4	0.4	0.5	0.08	0.08	0.10	0.11	0.10	0.10	2.7	
27	9.210	7.978	24	96	0.4	0.4	0.5	0.5	0.6	0.4	0.10	0.10	0.08	0.09	0.09	0.09	3.2	
28	7.280	8.749	24	97	0.4	0.4	0.4	0.4	0.4	0.4	0.09	0.08	0.08	0.08	0.09	0.10	2.7	
29	8.760	7.876	26	101	0.4	0.5	0.5	0.6	0.4	0.5	0.09	0.09	0.08	0.07	0.08	0.07	2.4	
30	8.770	8.610	23	97	0.5	0.5	0.7	0.5	0.6	0.5	0.09	0.08	0.08	0.09	0.08	0.08	2.5	
31	8.780	8.314	23	95	0.5	0.5	0.5	0.6	0.6	0.6	0.09	0.10	0.08	0.09	0.09	0.10	2.8	
Total	257.710	253.020																
Avg	8.313	8.162																
Max	9.210	9.480																
Min	6.450	5.841																

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: WO0004220, A Date: September 1, 2010

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: City of Corsicana
PWS ID No.: 1750002

PLANT NAME
OR NUMBER: Navarro Mills
Month: August Year: 2010

PERFORMANCE DATA																				
INDIVIDUAL FILTER TURBIDITY																				
Date	Filter No. 1		Filter No. 2		Filter No. 3		Filter No. 4		Filter No. 5		Filter No. 6		Filter No. 7		Filter No. 8		Filter No. 9		Filter No. 10	
	Max	4 Hrs	Max	4 Hrs																
1	0.05	x	x	x	x	x	0.05	x	0.05	x	0.06	x								
2	0.06	x	x	x	x	x	0.05	x	0.05	x	0.06	x								
3	0.19	0.18	x	x	0.19	0.18	0.10	x	0.07	x	0.08	x								
4	0.17	x	x	x	0.15	x	0.23	0.18	0.26	0.16	0.09	x								
5	0.12	x	x	x	0.11	x	0.14	x	0.12	x	x	x								
6	0.11	x	x	x	0.10	x	0.12	x	0.11	x	x	x								
7	0.10	x	x	x	0.09	x	0.09	x	0.09	x	x	x								
8	0.30	0.16	x	x	0.09	x	0.10	x	0.09	x	0.21	0.16								
9	0.23	x	x	x	0.23	0.20	0.11	x	0.08	x	0.18	x								
10	0.30	x	x	x	0.30	x	0.18	x	x	x	0.26	x								
11	0.37	x	x	x	0.36	x	0.49	0.43	0.44	0.35	0.31	x								
12	0.33	x	x	x	0.35	x	0.50	x	0.42	x	0.75	0.44								
13	0.60	0.45	x	x	x	x	0.36	x	0.31	x	0.41	x								
14	0.37	x	x	x	0.74	0.38	0.29	x	0.23	x	0.33	x								
15	0.25	x	x	x	0.32	x	0.21	x	x	x	0.23	x								
16	0.19	x	x	x	0.24	x	0.44	0.33	0.47	0.32	0.17	x								
17	0.42	0.27	x	x	0.18	x	0.32	x	0.25	x	0.40	0.19								
18	0.18	x	x	x	x	x	0.17	x	0.15	x	0.20	x								
19	0.15	x	x	x	0.41	0.27	0.12	x	0.12	x	0.15	x								
20	0.15	x	x	x	0.28	x	x	x	0.42	0.31	0.17	x								
21	x	x	x	x	0.16	x	0.31	0.21	0.16	x	0.18	x								
22	0.28	0.16	x	x	0.13	x	0.17	x	0.14	x	0.36	0.19								
23	0.17	x	x	x	0.23	0.18	0.13	x	0.12	x	0.18	x								
24	0.12	x	x	x	0.14	x	0.10	x	0.25	0.14	0.13	x								
25	0.08	x	x	x	0.08	x	0.17	x	0.09	x	0.09	x								
26	0.23	0.11	x	x	0.09	x	0.22	0.21	0.10	x	0.25	0.12								
27	0.10	x	x	x	0.24	0.12	0.09	x	0.07	x	0.11	x								
28	0.11	x	x	x	0.09	x	0.10	x	x	x	0.11	x								
29	0.07	x	x	x	0.08	x	0.19	0.09	0.21	0.09	0.08	x								
30	0.16	0.11	x	x	0.08	x	0.10	x	0.09	x	0.08	x								
31	0.12	x	x	x	0.09	x	0.11	x	0.10	x	0.22	x								

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

SUBMITTED BY: _____ Certificate No. _____ and Grade: WO0004220, A Date: September 1, 2010

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: City of Corsicana
PWS ID No.: 1750002

PLANT NAME OR NUMBER: Navarro Mills
Month: August Year: 2010

DISINFECTION PROCESS PARAMETERS							
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS		
Parameters	Disinfection Zones					Log Inactivations	
	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Viruses
Flow Rate (MGD)	20.250	20.250	20.250			0.5	2.0
T ₁₀ (minutes)	109.1	13.0	100.0				

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
1	NA D1								
	FCL D2	0.4	8.900	30.0	7.7				
	CLA D3	3.1	8.900	30.0	7.4				
	D4								
	D5								
2	NA D1								
	FCL D2	0.4	9.000	30.0	7.7				
	CLA D3	3.3	9.000	30.0	7.4				
	D4								
	D5								
3	NA D1								
	FCL D2	0.2	9.000	30.0	7.6				
	CLA D3	3.1	9.000	30.0	7.4				
	D4								
	D5								
4	NA D1								
	FCL D2	0.3	8.900	31.0	7.6				
	CLA D3	3.3	8.900	31.0	7.4				
	D4								
	D5								
5	NA D1								
	FCL D2	0.6	8.900	30.0	8.0				
	CLA D3	2.7	8.900	32.0	7.7				
	D4								
	D5								
6	NA D1								
	FCL D2	0.6	9.000	32.0	7.8				
	CLA D3	3.1	9.000	32.0	7.6				
	D4								
	D5								
7	NA D1								
	FCL D2	0.5	9.300	30.0	7.8				
	CLA D3	3.2	9.300	32.0	7.5				
	D4								
	D5								
8	NA D1								
	FCL D2	0.6	9.200	31.0	7.7				
	CLA D3	3.2	9.200	31.0	7.5				
	D4								
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
9	NA D1								
	FCL D2	0.5	8.900	30.0	7.8				
	CLA D3	2.7	8.900	31.0	7.4				
	D4								
	D5								
10	NA D1								
	FCL D2	0.3	8.700	31.0	7.7				
	CLA D3	1.4	8.700	32.0	7.6				
	D4								
	D5								
11	NA D1								
	FCL D2	0.4	12.900	31.0	7.6				
	CLA D3	3.0	12.900	31.0	7.3				
	D4								
	D5								
12	NA D1								
	FCL D2	0.1	9.300	31.0	7.7				
	CLA D3	3.4	9.300	31.0	7.5				
	D4								
	D5								
13	NA D1								
	FCL D2	0.2	9.200	31.0	7.8				
	CLA D3	3.4	9.200	32.0	7.4				
	D4								
	D5								
14	NA D1								
	FCL D2	0.2	9.100	31.0	7.9				
	CLA D3	3.4	9.100	31.0	7.5				
	D4								
	D5								
15	NA D1								
	FCL D2	0.4	9.100	31.0	7.8				
	CLA D3	3.2	9.100	31.0	7.6				
	D4								
	D5								
16	NA D1								
	FCL D2	0.1	9.000	31.0	7.6				
	CLA D3	3.1	9.000	31.0	7.4				
	D4								
	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: WO0004220, A Date: September 1, 2010

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: City of Corsicana
PWS ID No.: 1750002

PLANT NAME OR NUMBER: Navarro Mills
Month: August Year: 2010

DISINFECTION PROCESS PARAMETERS							
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS		
Parameters	Disinfection Zones				Log Inactivations		
	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Virus
Flow Rate (MGD)	20.250	20.250	20.250			0.5	2.0
T ₁₀ (minutes)	109.1	13.0	100.0				

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
17	NA D1								
	FCL D2	0.1	9.100	30.0	7.6				
	CLA D3	3.0	9.100	31.0	7.4				
	D4								
	D5								
18	NA D1								
	FCL D2	0.2	8.900	31.0	7.6				
	CLA D3	2.9	8.900	31.0	7.3				
	D4								
	D5								
19	NA D1								
	FCL D2	0.3	8.900	31.0	7.7				
	CLA D3	3.5	8.900	31.0	7.4				
	D4								
	D5								
20	NA D1								
	FCL D2	0.5	7.100	31.0	8.1				
	CLA D3	3.7	7.100	31.0	7.8				
	D4								
	D5								
21	NA D1								
	FCL D2	0.5	7.200	30.0	7.6				
	CLA D3	3.0	7.200	31.0	7.5				
	D4								
	D5								
22	NA D1								
	FCL D2	0.5	9.000	31.0	7.6				
	CLA D3	3.0	9.000	31.0	7.3				
	D4								
	D5								
23	NA D1								
	FCL D2	0.3	9.000	31.0	7.7				
	CLA D3	2.8	9.000	31.0	7.4				
	D4								
	D5								
24	NA D1								
	FCL D2	0.1	9.000	31.0	7.6				
	CLA D3	3.0	9.000	31.0	7.4				
	D4								
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
25	NA D1								
	FCL D2	0.2	9.100	30.0	7.5				
	CLA D3	2.9	9.100	30.0	7.3				
	D4								
	D5								
26	NA D1								
	FCL D2	0.3	9.200	28.0	7.8				
	CLA D3	3.0	9.200	29.0	7.4				
	D4								
	D5								
27	NA D1								
	FCL D2	0.5	9.400	28.0	7.5				
	CLA D3	3.5	9.400	29.0	7.2				
	D4								
	D5								
28	NA D1								
	FCL D2	0.5	8.900	30.0	7.7				
	CLA D3	2.7	8.900	29.0	7.4				
	D4								
	D5								
29	NA D1								
	FCL D2	0.4	8.900	28.0	7.6				
	CLA D3	2.7	8.900	29.0	7.3				
	D4								
	D5								
30	NA D1								
	FCL D2	0.6	9.000	28.0	7.6				
	CLA D3	2.6	9.000	29.0	7.3				
	D4								
	D5								
31	NA D1								
	FCL D2	0.5	9.000	28.0	7.8				
	CLA D3	3.0	9.000	29.0	7.4				
	D4								
	D5								
						Max	NA	NA	
						Min	NA	NA	
						Avg	NA	NA	
						SD	NA	NA	

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: WO0004220, A Date: September 1, 2010

MONTHLY TOTAL ORGANIC CARBON REMOVAL REPORT (TOCMOR)

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

PUBLIC WATER SYSTEM NAME: City of Corsicana
 PWS ID No.: 1750002

PLANT NAME OR NUMBER: Navarro Mills
 Month: August Year: 2010

Type of treatment: Conventional Unconventional explain: _____

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

Test No.	Test Date	Monthly TOC Sample Set			Actual % TOC Removed	Step 1 Required Removal %	Step 1 Removal Ratio	Optional data		COMPLIANCE REMOVAL RATIO
		Raw Alkalinity	Raw TOC	Treated TOC				Step 2 Required % Removal	Step 2 Removal Ratio	
		Enter the Sample Set results						<i>calculated</i>	<i>calculated from matrix</i>	
1	8/10	111	4.54	2.75	39.4	35	1.13			1.13
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
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27										
28										
29										
30										
31										
Avg		111.00	4.54	2.75	39.43		1.13			1.13
Max		111.00	4.54	2.75	39.43		1.13			1.13
Min		111.00	4.54	2.75	39.43		1.13			1.13

TOTAL ORGANIC CARBON (TOC) REMOVAL SUMMARY

TOC Summary					Monthly Compliance Ratio
Raw Water Alkalinity	Raw Water TOC	Treated Water TOC	TOC % Removal	ACC # used	
111	4.54	2.75	39.4	NA	1.13

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: WO0004220, A

Date: September 1, 2010

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

TOC ALTERNATIVE COMPLIANCE CRITERIA REPORT

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

PUBLIC WATER SYSTEM NAME: City of Corsicana
 PWS ID No.: 1750002

PLANT NAME OR NUMBER: Navarro Mills
 Month: August Year: 2010

This Alternative Compliance Criteria (ACC) Report is being submitted to request the following ACC: (check one)
 (Before you can begin entering data, you must put an "X" in the box that shows the number of the Alternative Compliance Criteria you are applying for.)

#1 #2 #3 #4 #5 #6 #7 #8

ACC #1	Source Water TOC less than 2.0? (either based on most recent month's data OR calculated quarterly as a running annual average)												
	Current Month TOC	Q1			Q2			Q3			Q4		
	4.54	07/2009	08/2009	09/2009	10/2009	11/2009	12/2009	01/2010	02/2010	03/2010	04/2010	05/2010	06/2010
	Average Raw Water TOC Quarterly Average RAA												

ACC #2	Treated Water TOC less than 2.0? (either based on most recent month's data OR calculated quarterly as a running annual average)												
	Current Month TOC	Q1			Q2			Q3			Q4		
	2.75	07/2009	08/2009	09/2009	10/2009	11/2009	12/2009	01/2010	02/2010	03/2010	04/2010	05/2010	06/2010
	Average Treated Water TOC Quarterly Average RAA												

ACC #3	Source Water TOC less than 4.0? (calculated quarterly as a running annual average) AND Source water alkalinity over 60 mg/L (as CaCO3)? (calculated quarterly as a running annual average)												
	Average Raw Water TOC Quarterly Average RAA	Q1			Q2			Q3			Q4		
	Average Raw Water Alkalinity Quarterly Average RAA	07/2009	08/2009	09/2009	10/2009	11/2009	12/2009	01/2010	02/2010	03/2010	04/2010	05/2010	06/2010
	Average Raw Water TOC Quarterly Average RAA												

AND TTHM and HAA5 no greater than 0.040 mg/L and 0.030 mg/L, respectively? (calculated as a running annual average of quarterly averages)

TTHM RAA for the 4 quarters that end June 2010: mg/L HAA5 RAA for the 4 quarter that end June 2010: mg/L

ACC #4	TTHM and HAA5 no greater than 0.040 mg/L and 0.030 mg/L, respectively? (calculated as a running annual average of quarterly averages)												
	TTHM RAA for the 4 quarters that end June 2010: <input type="text"/> mg/L						HAA5 RAA for the 4 quarters that end June 2010: <input type="text"/> mg/L						
	AND only chlorine is used in the whole plant and distribution system. Chlorine only?: <input type="text"/>												
	I certify that for the last 12 months, only free chlorine was used as a disinfectant for primary disinfection and for maintenance of a residual in the distribution system.												

Certified Operators Signature/ Certificate Number / Date

ACC #5	Source water SUVA less than or equal to 2.0 L/mg-m? (either based on most recent month's data OR calculated quarterly as a running annual average) <small>(Source water SUVA is the dissolved organic carbon concentration divided by the ultraviolet light absorption at 254 nanometers in the source water before any treatment of any kind. Measure monthly.)</small>												
	Current Month SUVA	Q1			Q2			Q3			Q4		
	Monthly Raw Water SUVA Quarterly Average RAA	07/2009	08/2009	09/2009	10/2009	11/2009	12/2009	01/2010	02/2010	03/2010	04/2010	05/2010	06/2010
	Monthly Raw Water SUVA Quarterly Average RAA												

ACC #6	Treated water SUVA less than or equal to 2.0 L/mg-m? (either based on most recent month's data OR calculated quarterly as a running annual average) <small>(Treated water SUVA is the dissolved organic carbon concentration divided by the ultraviolet light absorption at 254 nanometers in the finished water before any disinfection of any kind, or measured using a finished water SUVA jar test. (See the Instructions worksheet for more info.) Measure monthly.</small>												
	Treated water SUVA measured:	<input type="text"/> In Plant <input type="text"/> By Finished Water SUVA Jar Test											
	Current Month SUVA	Q1			Q2			Q3			Q4		
	Monthly Treated Water SUVA Quarterly Average RAA	07/2009	08/2009	09/2009	10/2009	11/2009	12/2009	01/2010	02/2010	03/2010	04/2010	05/2010	06/2010

I certify that an oxidant was used upstream of the Treated Water TOC monitoring point during the period for which treated water SUVA data is reported.

Certified Operators Signature / Certificate Number / Date

ACC #7	Treated water alkalinity less than 60 mg/L (as CaCO3)? (softening practiced) (either based on most recent month's data OR calculated quarterly as a running annual average)												
	Current Month ALK	Q1			Q2			Q3			Q4		
	Monthly Treated Alkalinity Quarterly Average RAA	07/2009	08/2009	09/2009	10/2009	11/2009	12/2009	01/2010	02/2010	03/2010	04/2010	05/2010	06/2010
	Monthly Treated Alkalinity Quarterly Average RAA												

ACC #8	Magnesium hardness removal greater than or equal to 10 mg/L (as CaCO3)? (softening practiced) (either based on most recent month's data OR calculated quarterly as a running annual average)												
	Current Month Mg Hardness	Q1			Q2			Q3			Q4		
	Raw	07/2009	08/2009	09/2009	10/2009	11/2009	12/2009	01/2010	02/2010	03/2010	04/2010	05/2010	06/2010
	Treated												

Removal

RAA Removal

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: WO0004220, A Date: September 1, 2010

STEP 2 JAR TEST REPORT

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

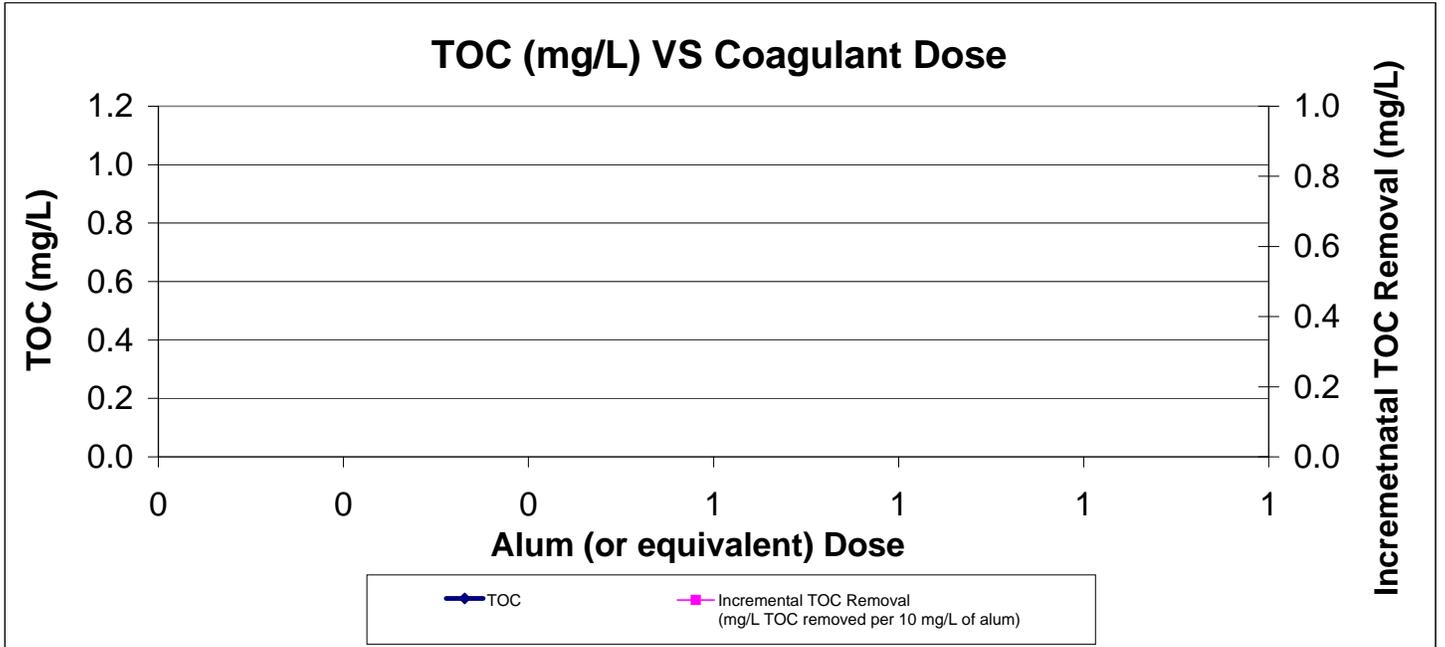
PUBLIC WATER
 SYSTEM NAME: City of Corsicana
 PWS ID No.: 1750002

PLANT NAME
 OR NUMBER: Navarro Mills
 DATE OF JAR TEST: _____

PLANT CONDITIONS								
RAW WATER SOURCE(s)	COAGULANT		COAGULANT AID		FLOC AID		pH ADJUSTMENT	
	Type	Dose (mg/L)	Type	Dose (mg/L)	Type	Dose (mg/L)	Type	Dose (mg/L)

STEP 2 JAR TEST PARAMETERS									
COAGULANT		BASE		JAR SIZE	JAR TEST CONDITIONS				
Type	Stock Solution Concentration (g/L)	Type	Stock Solution Concentration (g/L)	Volume (liters)	Rapid Mix		Flocculation		Settling
					Speed (rpm)	Duration (minutes)	Speed (rpm)	Duration (minutes)	Duration (minutes)

JAR TEST RESULTS									
Jar No.	COAGULANT		BASE		Alkalinity (mg/L as CaCO ₃)	pH	TOC (mg/L)	Incremental TOC Removal (mg/L TOC removed per 10 mg/L of alum)	Cumulative TOC Removal (%)
	Dose (Alum eq.) (mg/L)	Volume (mL)	Dose (mg/L)	Volume (mL)					
RAW									
1					Target pH (based on raw water alkalinity)				
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
Has the TCEQ approved this source as "Not Amenable" to Treatment even though Target pH was not reached? If "yes", provide the date of the TCEQ letter or e-mail.					TOC, % Removal at Apparent PODR:				



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: WO0004220, A