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: March 2011

Certificate No. & Grade: WO0004220, A

Date: April 4, 2011

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	184	Number of 4-hour periods when plant was off-line:	2
Number of readings above 0.10 NTU:	8	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:	0.13 NTU	Average turbidity value:	0.07 NTU
Minimum turbidity reading:	0.03 NTU	Standard deviation:	0.023 NTU
CFE 95th percentile value:	0.10 NTU	IFE 95th percentile:	0.240 NTU

Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	NA
		Average log inactivation for viruses:	NA
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:	31
		Number of days when CT data was not collected:	31

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:	61 (at least 31 required) (8)		
Average disinfectant residual value:	2.60	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 required because there was at least one treatment technique or monitoring/reporting violation reported.

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

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

No additional IFE Reports are required this month.

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: 10,834

Month: March Year: 2011

Population: 23,770

PERFORMANCE DATA

Date	Raw Water Pumpage (MGD)	Treated Water Pumpage (MGD)	RAW WATER ANALYSES		SETTLED WATER TURBIDITY (Mandatory Data)						FINISHED WATER QUALITY							
					Basin No.						Turbidity						Lowest Residual	Time*
			NTU	Alk.	1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6		
1	4.730	4.206	30	116	0.9	1.0	1.2	1.1	1.0	1.0	0.09	0.09	0.07	0.07	0.07	0.08	2.8	
2	6.690	5.060	34	114	1.0	1.1	1.8	1.2	1.3	1.2	0.07	0.07	0.06	0.07	0.08	0.08	3.2	
3	6.060	5.652	35	114	1.1	1.2	1.5	1.4	1.5	1.4	0.09	0.08	0.08	0.08	0.08	0.08	1.6	
4	4.890	4.782	32	116	1.1	1.3	1.3	1.2	1.1	1.3	x	x	0.09	0.07	0.08	0.08	2.2	
5	4.540	4.440	34	116	1.0	1.3	1.2	1.2	1.0	1.2	0.09	0.08	0.08	0.08	0.08	0.09	3.3	
6	4.060	4.658	36	120	0.9	1.0	1.2	1.0	1.0	1.0	0.08	0.09	0.08	0.08	0.08	0.09	3.2	
7	4.080	4.007	36	118	1.0	1.1	1.5	1.2	1.2	1.1	0.08	0.08	0.07	0.07	0.07	0.07	2.7	
8	4.280	3.918	34	119	1.0	1.3	1.4	1.2	1.3	1.1	0.08	0.07	0.07	0.07	0.08	0.07	3.0	
9	4.470	4.372	34	117	1.0	1.1	1.3	1.2	1.3	1.1	0.08	0.07	0.07	0.07	0.08	0.09	2.0	
10	5.270	4.667	33	118	0.9	1.1	1.3	1.1	1.1	1.1	0.09	0.09	0.10	0.10	0.10	0.10	2.5	
11	5.910	5.743	36	115	1.1	1.1	1.3	1.2	1.4	1.1	0.09	0.09	0.10	0.09	0.09	0.10	2.8	
12	6.050	4.933	34	118	1.1	1.1	1.5	1.3	1.3	1.1	0.09	0.09	0.09	0.09	0.09	0.09	2.7	
13	5.790	5.236	34	118	0.9	1.0	1.3	1.1	1.1	1.1	0.09	0.08	0.08	0.08	0.09	0.08	2.8	
14	4.250	5.097	34	118	1.1	1.0	1.9	1.2	1.3	1.0	0.08	0.08	0.07	0.07	0.07	0.07	2.6	
15	4.230	3.972	36	120	1.1	1.3	1.5	1.4	1.3	1.3	0.09	0.08	0.07	0.07	0.08	0.09	2.6	
16	5.170	5.022	35	119	1.3	1.3	1.7	1.4	1.4	1.3	0.09	0.08	0.08	0.08	0.10	0.10	2.8	
17	5.430	4.936	32	119	1.1	1.3	1.5	1.3	1.3	1.2	0.10	0.10	0.12	0.12	0.12	0.13	3.0	
18	7.070	6.234	30	115	1.0	1.0	1.4	1.2	1.1	1.0	0.12	0.12	0.12	0.12	0.10	0.10	3.0	
19	7.040	6.442	29	118	0.8	0.9	1.2	1.0	0.9	0.9	0.10	0.09	0.09	0.10	0.09	0.09	2.9	
20	6.200	6.153	23	119	0.8	0.9	1.0	1.0	0.9	0.9	0.09	0.09	0.08	0.09	0.10	0.10	3.0	
21	7.100	5.733	24	119	0.7	0.7	1.0	0.8	0.8	0.7	0.10	0.10	0.09	0.09	0.09	0.09	2.8	
22	5.900	5.785	25	118	0.5	0.5	0.5	0.5	0.4	0.4	0.10	0.10	0.09	0.08	0.09	0.09	2.6	
23	3.780	4.719	25	118	0.3	0.3	0.5	0.4	0.4	0.3	0.08	0.08	0.07	0.06	0.06	0.05	2.5	
24	5.110	5.180	33	119	0.2	0.4	0.3	0.3	0.3	0.3	0.06	0.06	0.05	0.05	0.06	0.06	2.4	
25	6.370	6.081	35	120	0.3	0.3	0.3	0.3	0.3	0.3	0.05	0.05	0.05	0.05	0.04	0.05	3.1	
26	7.520	6.669	30	120	0.2	0.3	0.3	0.3	0.3	0.3	0.04	0.04	0.04	0.05	0.04	0.04	3.6	
27	7.500	6.873	33	120	0.2	0.3	0.3	0.3	0.2	0.2	0.04	0.04	0.04	0.03	0.04	0.04	3.5	
28	5.910	5.887	33	122	0.2	0.2	0.4	0.2	0.2	0.2	0.04	0.04	0.03	0.03	0.03	0.03	3.3	
29	4.960	4.921	40	122	0.2	0.3	0.3	0.3	0.2	0.2	0.04	0.03	0.03	0.03	0.04	0.04	3.1	
30	4.570	3.779	43	120	0.2	0.2	0.3	0.2	0.3	0.2	0.04	0.04	0.04	0.04	0.04	0.05	3.1	
31	3.970	4.746	37	122	0.3	0.4	0.4	0.5	0.4	0.4	0.05	0.05	0.05	0.05	0.04	0.05	2.8	
Total	168.900	159.903																
Avg	5.448	5.158																
Max	7.520	6.873																
Min	3.780	3.779																

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: April 4, 2011

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

PLANT NAME OR NUMBER: Navarro Mills

PWS ID No.: 1750002

Month: March Year: 2011

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	x	x	0.07	x	x	x	0.07	x	x	x	0.07	x								
2	0.23	0.12	0.09	x	0.29	0.11	0.14	x	x	x	0.07	x								
3	0.09	x	0.23	x	0.10	x	x	x	x	x	0.07	x								
4	0.08	x	0.11	x	0.09	x	x	x	0.31	0.11	0.08	x								
5	0.08	x	0.08	x	0.08	x	x	x	0.10	x	x	x								
6	0.08	x	x	x	0.08	x	x	x	0.10	x	x	x								
7	0.08	x	x	x	0.09	x	x	x	0.10	x	x	x								
8	0.12	x	0.10	0.09	0.09	x	x	x	0.10	x	x	x								
9	0.14	x	0.10	x	x	x	0.22	0.15	0.10	x	x	x								
10	x	x	0.10	x	x	x	0.14	x	0.09	x	0.20	0.13								
11	0.20	0.12	0.09	x	x	x	0.11	x	x	x	0.11	x								
12	0.11	x	x	x	x	x	0.09	x	x	x	0.09	x								
13	0.10	x	x	x	x	x	0.09	x	x	x	0.09	x								
14	0.10	x	x	x	x	x	0.08	x	x	x	0.08	x								
15	0.11	x	x	x	x	x	0.10	x	x	x	0.09	x								
16	0.23	x	x	x	0.24	0.16	0.13	x	0.28	0.18	0.10	x								
17	0.16	x	0.26	0.17	0.14	x	x	x	0.13	x	x	x								
18	x	x	0.13	x	0.12	x	x	x	0.12	x	x	x								
19	0.22	0.14	0.10	x	0.10	x	x	x	0.10	x	x	x								
20	0.14	x	0.14	x	0.09	x	0.19	0.13	0.48	x	0.22	0.14								
21	0.11	x	0.08	x	0.24	0.13	0.14	x	x	x	0.11	x								
22	0.09	x	x	x	0.10	x	0.10	x	x	x	0.09	x								
23	0.05	x	x	x	x	x	0.06	x	x	x	0.05	x								
24	0.05	x	x	x	x	x	0.05	x	x	x	0.05	x								
25	0.04	x	x	x	x	x	0.04	x	x	x	0.04	x								
26	0.03	x	x	x	0.07	0.04	0.03	x	0.13	0.05	0.03	x								
27	x	x	0.10	0.04	0.04	x	0.03	x	0.04	x	x	x								
28	0.09	0.05	0.03	x	0.04	x	x	x	0.03	x	x	x								
29	0.03	x	0.03	x	x	x	x	x	0.03	x	x	x								
30	0.04	x	0.04	x	x	x	x	x	0.03	x	0.05	0.05								
31	0.06	x	0.05	x	x	x	x	x	x	x	0.07	x								

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	0	0	0	0	0	0					
Number of days with event(s) above 1.0 NTU this month	0	0	0	0	0	0					
Number of days with event(s) above 1.0 NTU last month	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					
Total number of days with event(s) above 1.0 NTU in three months	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
Is the plant required to submit a Filter Profile Report?	N	N	N	N	N	N					
Is the plant required to submit a Filter Assessment Report?	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: April 4, 2011

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
PLANT NAME OR NUMBER: Navarro Mills
PWS ID No.: 1750002
Month: March Year: 2011

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)	20.250	20.250	20.250			0.5	2.0
T_{10} (minutes)	109.1	13.0	100.0				

PERFORMANCE DATA

Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time=
1	NA *D1*								
	FCL *D2*	1.0	6.400	13.0	7.3				
	CLA *D3*	2.9	6.400	13.0	8.1				
	D4								
	D5								
2	NA *D1*								
	FCL *D2*	0.4	9.600	14.0	7.1				
	CLA *D3*	3.4	9.600	14.0	7.9				
	D4								
	D5								
3	NA *D1*								
	FCL *D2*	0.3	9.600	14.0	7.1				
	CLA *D3*	3.3	9.600	14.0	7.7				
	D4								
	D5								
4	NA *D1*								
	FCL *D2*	0.6	7.300	16.0	7.3				
	CLA *D3*	2.4	7.300	15.0	7.8				
	D4								
	D5								
5	NA *D1*								
	FCL *D2*	0.8	7.200	16.0	7.3				
	CLA *D3*	3.6	7.200	15.0	7.6				
	D4								
	D5								
6	NA *D1*								
	FCL *D2*	0.7	4.200	15.0	7.4				
	CLA *D3*	4.1	4.200	15.0	7.7				
	D4								
	D5								
7	NA *D1*								
	FCL *D2*	0.6	4.200	13.0	7.3				
	CLA *D3*	2.9	4.200	14.0	7.9				
	D4								
	D5								
8	NA *D1*								
	FCL *D2*	0.5	4.400	14.0	7.3				
	CLA *D3*	3.7	4.400	14.0	8.1				
	D4								
	D5								

PERFORMANCE DATA

Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time=
9	NA *D1*								
	FCL *D2*	0.8	5.000	14.0	7.3				
	CLA *D3*	2.3	5.000	15.0	7.8				
	D4								
	D5								
10	NA *D1*								
	FCL *D2*	0.9	6.100	15.0	7.2				
	CLA *D3*	2.9	6.100	15.0	7.9				
	D4								
	D5								
11	NA *D1*								
	FCL *D2*	0.8	6.100	15.0	7.3				
	CLA *D3*	2.9	6.100	15.0	7.7				
	D4								
	D5								
12	NA *D1*								
	FCL *D2*	0.8	6.100	15.0	7.3				
	CLA *D3*	2.9	6.100	15.0	7.7				
	D4								
	D5								
13	NA *D1*								
	FCL *D2*	0.7	6.000	15.0	7.3				
	CLA *D3*	2.9	6.000	15.0	7.8				
	D4								
	D5								
14	NA *D1*								
	FCL *D2*	0.9	6.100	15.0	7.3				
	CLA *D3*	2.8	6.100	15.0	7.8				
	D4								
	D5								
15	NA *D1*								
	FCL *D2*	0.8	4.600	16.0	7.3				
	CLA *D3*	2.8	4.600	16.0	7.8				
	D4								
	D5								
16	NA *D1*								
	FCL *D2*	0.8	5.300	16.0	7.3				
	CLA *D3*	2.8	5.300	16.0	7.8				
	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: April 4, 2011

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
PLANT NAME OR NUMBER: Navarro Mills
PWS ID No.: 1750002
Month: March Year: 2011

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)	20.250	20.250	20.250			0.5	2.0
T_{10} (minutes)	109.1	13.0	100.0				

PERFORMANCE DATA

Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time=
17	NA *D1*								
	FCL *D2*	0.9	6.200	17.0	7.3				
	CLA *D3*	3.0	6.200	16.0	7.9				
	D4								
	D5								
18	NA *D1*								
	FCL *D2*	0.8	7.200	17.0	7.3				
	CLA *D3*	3.2	7.200	17.0	7.9				
	D4								
	D5								
19	NA *D1*								
	FCL *D2*	0.8	7.100	18.0	7.4				
	CLA *D3*	3.2	7.100	17.0	7.8				
	D4								
	D5								
20	NA *D1*								
	FCL *D2*	0.6	7.100	18.0	7.3				
	CLA *D3*	3.2	7.100	18.0	8.1				
	D4								
	D5								
21	NA *D1*								
	FCL *D2*	0.4	7.100	19.0	7.4				
	CLA *D3*	2.9	7.100	18.0	8.0				
	D4								
	D5								
22	NA *D1*								
	FCL *D2*	0.5	6.900	19.0	7.3				
	CLA *D3*	2.9	6.900	19.0	7.9				
	D4								
	D5								
23	NA *D1*								
	FCL *D2*	0.5	4.000	19.0	7.3				
	CLA *D3*	2.7	4.000	19.0	7.9				
	D4								
	D5								
24	NA *D1*								
	FCL *D2*	0.6	5.100	19.0	7.3				
	CLA *D3*	3.2	5.100	19.0	7.8				
	D4								
	D5								

PERFORMANCE DATA

Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time=
25	NA *D1*								
	FCL *D2*	0.9	7.600	20.0	7.2				
	CLA *D3*	3.3	7.600	19.0	7.8				
	D4								
	D5								
26	NA *D1*								
	FCL *D2*	0.9	7.500	20.0	7.3				
	CLA *D3*	3.6	7.500	19.0	7.6				
	D4								
	D5								
27	NA *D1*								
	FCL *D2*	0.7	7.500	19.0	7.2				
	CLA *D3*	3.7	7.500	20.0	7.7				
	D4								
	D5								
28	NA *D1*								
	FCL *D2*	0.8	7.500	19.0	7.2				
	CLA *D3*	3.3	7.500	20.0	7.8				
	D4								
	D5								
29	NA *D1*								
	FCL *D2*	0.5	5.100	18.0	7.3				
	CLA *D3*	3.2	5.100	19.0	8.0				
	D4								
	D5								
30	NA *D1*								
	FCL *D2*	0.5	5.000	18.0	7.2				
	CLA *D3*	3.2	5.000	19.0	7.8				
	D4								
	D5								
31	NA *D1*								
	FCL *D2*	0.4	4.000	17.0	7.3				
	CLA *D3*	3.1	4.000	18.0	7.9				
	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: April 4, 2011

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

PLANT NAME OR NUMBER: Navarro Mills

PWS ID No.: 1750002

Month: March Year: 2011

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		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	Please attach the p.8-Step2 worksheet	calculated	calculated
1	3/1	123	4.34	3.28	24.4	25	0.98	Not Amenable	NA	1.00
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
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25										
26										
27										
28										
29										
30										
31										
Avg		123.00	4.34	3.28	24.42		0.98		NA	1.00
Max		123.00	4.34	3.28	24.42		0.98		NA	1.00
Min		123.00	4.34	3.28	24.42		0.98		NA	1.00

TOTAL ORGANIC CARBON (TOC) REMOVAL SUMMARY

TOC Summary: Don't forget to include a copy of your P.8-TOC Step 2 worksheet with your report.					Monthly Compliance Ratio
Raw Water Alkalinity	Raw Water TOC	Treated Water TOC	TOC % Removal	ACC # used	
123	4.34	3.28	24.4	NA	1.00

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.: WO0004220, A Date: April 4, 2011

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: March Year: 2011

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: 4.34

	Q1			Q2			Q3			Q4		
Month/Year	04/2010	05/2010	06/2010	07/2010	08/2010	09/2010	10/2010	11/2010	12/2010	01/2011	02/2011	03/2011
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: 3.28

	Q1			Q2			Q3			Q4		
Month/Year	04/2010	05/2010	06/2010	07/2010	08/2010	09/2010	10/2010	11/2010	12/2010	01/2011	02/2011	03/2011
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)

	Q1			Q2			Q3			Q4		
Month/Year	04/2010	05/2010	06/2010	07/2010	08/2010	09/2010	10/2010	11/2010	12/2010	01/2011	02/2011	03/2011
Average Raw Water TOC												
Quarterly Average												
RAA												
Average Raw Water Alkalinity												
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 March 2011: [ ] mg/L. HAA5 RAA for the 4 quarter that end March 2011: [ ] 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 March 2011: [ ] mg/L HAA5 RAA for the 4 quarters that end March 2011: [ ] mg/L

AND only chlorine is used in the whole plant and distribution system. Chlorine only?: [ ]

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)

(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.

Current Month SUVA: [ ]

	Q1			Q2			Q3			Q4		
Month/Year	04/2010	05/2010	06/2010	07/2010	08/2010	09/2010	10/2010	11/2010	12/2010	01/2011	02/2011	03/2011
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)

(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.

Treated water SUVA measured: [ ] In Plant [ ] By Finished Water SUVA Jar Test

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

Current Month SUVA: [ ]

	Q1			Q2			Q3			Q4		
Month/Year	04/2010	05/2010	06/2010	07/2010	08/2010	09/2010	10/2010	11/2010	12/2010	01/2011	02/2011	03/2011
Monthly Treated Water SUVA												
Quarterly Average												
RAA												

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		
Month/Year	04/2010	05/2010	06/2010	07/2010	08/2010	09/2010	10/2010	11/2010	12/2010	01/2011	02/2011	03/2011
Monthly TreatedAlkalinity												
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 — Raw: [ ] Treated: [ ] Removal: [ ]

	Q1			Q2			Q3			Q4		
Month/Year	04/2010	05/2010	06/2010	07/2010	08/2010	09/2010	10/2010	11/2010	12/2010	01/2011	02/2011	03/2011
Monthly Raw Mg Hardness												
Monthly Treated Mg Hardness												
Monthly Mg Removal												
Quarterly Average 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: April 4, 2011

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

PLANT NAME OR NUMBER: Navarro Mills

PWS ID No.: 1750002

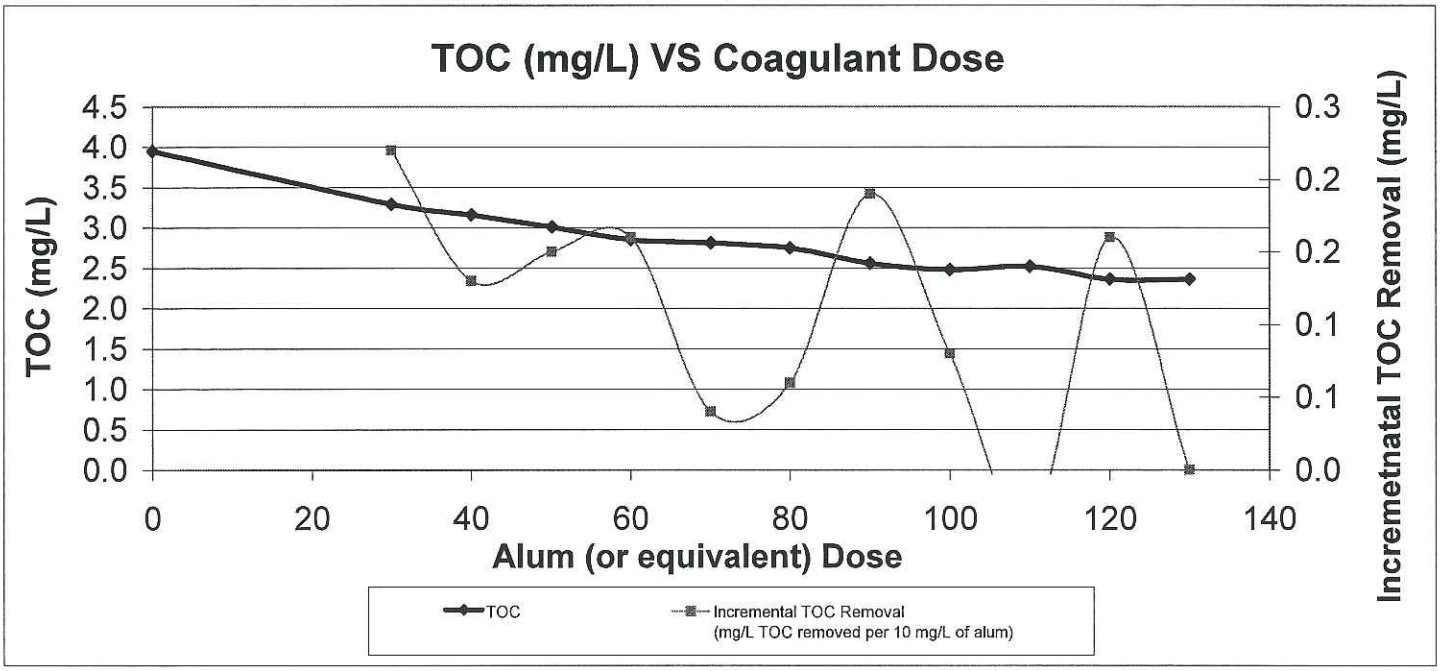
DATE OF JAR TEST: March 16, 2011

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)
Navarro Mills	Alum	100.00	n/a	0.00	n/a	0.00	Caustic Soda	18.00

STEP 2 JAR TEST PARAMETERS									
COAGULANT		BASE		JAR SIZE	JAR TEST CONDITIONS				
					Rapid Mix		Flocculation		Settling
Type	Stock Solution Concentration (g/L)	Type	Stock Solution Concentration (g/L)	Volume (liters)	Speed (rpm)	Duration (minutes)	Speed (rpm)	Duration (minutes)	Duration (minutes)
liquid alum	1	n/a	-	1	100.0	1.0	30.0	20.0	40.0

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	0				117	8.2	4.0		
1	30	3.00	1.00	0.00		7.5	3.3	0.2	16.7
2	40	4.00	2.00	0.00		7.1	3.2	0.1	20.0
3	50	5.00	3.00	0.00		7.0	3.0	0.2	23.8
4	60	6.00	4.00	0.00	Target pH (based on raw water alkalinity)	6.9	2.9	0.2	27.8
5	70	7.00	5.00	0.00		6.8	2.8	0.0	28.9
6	80	8.00	6.00	0.00		6.7	2.8	0.1	30.4
7	90	9.00	7.00	0.00		6.6	2.6	0.2	35.2
8	100	10.00	8.00	0.00	6.3	6.5	2.5	0.1	37.2
9	110	11.00	9.00	0.00		6.4	2.5	0.0	bad data point
10	120	12.00	10.00	0.00		6.4	2.4	0.2	40.3
11	130	13.00	11.00	0.00		6.3	2.4	0.0	40.3
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:	Not Amenable



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