

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
Report for the Month of: April 2012

Operator's Signature: _____
Certificate No. & Grade: WO0004220, A Date: May 1, 2012

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	180	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	13	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days with readings above 1.0 NTU:	0 (2)
Number of readings above 1.0 NTU:	0	Number of days with readings above 5.0 NTU:	0 (3)
Maximum allowable turbidity level:	0.3		
Percentage of readings above this limit:	0.0 % (1)		
Statistical Summary		Maximum turbidity reading:	0.13 NTU
		Minimum turbidity reading:	0.06 NTU
		CFE 95 th percentile value:	0.11 NTU
		Average turbidity value:	0.09 NTU
		Standard deviation:	0.012 NTU
		IFE 95 th percentile:	0.310 NTU
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	NA
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	NA
		Number of days when profiling data was not collected:	30
		Number of days when CT data was not collected:	30
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:	60	(at least 30 required)	(8)
Average disinfectant residual value:	1.97	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: 10,747

Month: April Year: 2012

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							
			NTU	Alk.	Basin No.						Turbidity						Lowest Residual	Time
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6		
1	6.110	4.683	31	93	2.8	2.8	2.7	2.4	1.8	1.8	0.13	0.12	0.11	0.11	0.12	0.09	2.7	
2	3.460	3.129	28	94	1.9	1.7	1.8	1.6	1.4	1.2	0.09	0.09	0.07	0.07	0.06	0.07	2.7	
3	3.880	3.788	31	95	1.7	1.7	2.3	2.0	1.9	1.6	0.09	0.08	0.06	0.06	0.07	0.08	2.6	
4	3.740	3.811	32	94	1.7	1.6	2.1	1.9	1.8	1.6	0.08	0.07	0.07	0.07	0.08	0.08	2.7	
5	4.090	3.606	29	90	1.4	1.6	1.7	1.5	3.4	3.1	0.07	0.07	0.07	0.12	0.10	0.11	2.7	
6	4.890	3.902	32	95	1.8	2.2	2.0	1.7	2.0	2.1	0.11	0.10	0.10	0.11	0.10	0.10	2.4	
7	5.490	4.761	33	98	2.8	3.2	2.4	2.1	2.0	1.9	0.10	0.10	0.09	0.10	0.09	0.09	2.4	
8	5.380	4.638	31	98	2.5	2.5	1.8	1.6	1.3	1.2	0.08	0.08	0.07	0.06	0.07	0.08	2.6	
9	5.290	4.986	29	99	2.1	2.1	1.7	1.4	1.3	1.1	0.08	0.08	0.08	0.08	0.08	0.09	2.5	
10	5.360	3.983	27	100	1.5	1.6	1.6	1.4	1.2	1.2	0.10	0.10	0.08	0.08	0.09	0.09	2.6	
11	5.210	5.158	27	100	1.1	1.2	1.2	1.2	1.0	1.0	0.09	0.09	0.08	0.09	0.09	0.09	2.7	
12	5.150	4.418	29	99	1.1	1.3	1.4	1.3	1.1	1.3	0.09	0.09	0.08	0.09	0.08	0.08	2.8	
13	5.110	3.932	30	100	1.2	1.4	1.5	1.4	1.2	1.2	0.09	0.10	0.08	0.09	0.09	0.09	2.6	
14	5.060	4.520	29	103	0.9	1.0	1.2	1.1	1.0	1.0	0.11	0.08	0.08	0.09	0.08	0.09	2.3	
15	5.040	4.793	33	105	0.9	1.0	1.1	1.1	1.0	0.9	0.09	0.10	0.08	0.08	0.09	0.09	1.9	
16	5.000	4.264	34	104	0.9	1.0	1.4	1.2	1.1	0.9	0.08	0.09	0.07	0.07	0.07	0.07	2.3	
17	4.810	4.313	34	102	1.0	1.2	1.5	1.4	1.2	1.1	0.09	0.09	0.08	0.08	0.09	0.08	2.4	
18	4.750	4.234	33	108	0.9	1.2	1.4	1.2	1.1	1.1	0.09	0.09	0.08	0.08	0.08	0.08	2.5	
19	4.890	4.409	31	109	1.0	1.2	1.4	1.4	1.2	1.1	0.08	0.07	0.08	0.09	0.08	0.08	2.5	
20	4.910	3.553	32	111	1.0	1.1	1.4	1.1	1.1	1.0	0.10	0.09	0.08	0.09	0.10	0.11	2.6	
21	4.670	4.437	37	111	0.9	1.2	1.4	1.2	1.0	1.0	0.10	0.11	0.10	0.11	0.10	0.10	2.6	
22	5.580	5.451	34	111	1.1	1.2	1.4	1.3	1.1	1.2	0.10	0.10	0.09	0.09	0.10	0.09	2.6	
23	6.220	5.315	36	113	1.0	1.1	1.3	1.2	1.1	0.9	0.10	0.09	0.08	0.08	0.08	0.08	2.8	
24	6.250	5.366	34	111	1.1	1.4	1.7	1.4	1.2	1.2	0.09	0.08	0.07	0.07	0.08	0.08	2.8	
25	6.280	5.490	26	113	0.9	1.1	1.3	1.1	1.2	1.0	0.08	0.09	0.08	0.08	0.09	0.10	2.5	
26	6.350	5.664	25	114	0.8	1.2	1.1	1.0	1.0	0.9	0.10	0.09	0.09	0.10	0.10	0.09	2.6	
27	6.420	5.528	27	115	0.8	0.9	1.0	0.9	0.9	0.8	0.10	0.10	0.10	0.10	0.10	0.09	2.8	
28	6.450	5.574	26	116	0.7	0.9	0.9	0.8	0.7	0.7	0.10	0.10	0.10	0.10	0.10	0.10	2.8	
29	6.430	6.253	30	116	0.6	0.8	0.7	0.8	0.6	0.7	0.10	0.09	0.09	0.09	0.09	0.08	2.7	
30	6.420	5.489	32	117	0.7	0.8	1.1	0.9	0.9	0.7	0.10	0.09	0.08	0.08	0.08	0.08	2.7	
31																		
Total	158.690	139.448																
Avg	5.290	4.648																
Max	6.450	6.253																
Min	3.460	3.129																

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: May 1, 2012

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: April Year: 2012

PERFORMANCE DATA

INDIVIDUAL FILTER TURBIDITY																				
Date	Filter No. 1		Filter No. 2		Filter No. 3		Filter No. 4		Filter No. 5		Filter No. 6		Filter No. 7		Filter No. 8		Filter No. 9		Filter No. 10	
	Max	4 Hrs	Max	4 Hrs																
1	0.17	x	0.16	x	x	x	0.11	x	0.12	x	x	x								
2	0.08	x	0.10	x	x	x	0.07	x	0.11	x	x	x								
3	x	x	0.12	x	x	x	0.10	x	0.10	x	x	x								
4	x	x	0.19	x	x	x	0.12	x	0.14	x	x	x								
5	0.31	0.19	0.20	x	x	x	0.12	x	0.15	x	x	x								
6	0.17	x	0.10	x	x	x	x	x	0.09	x	x	x								
7	0.15	x	0.10	x	x	x	x	x	0.09	x	x	x								
8	0.08	x	0.13	x	x	x	x	x	0.32	x	0.34	0.12								
9	0.20	x	0.06	x	x	x	0.32	0.14	x	x	0.14	x								
10	0.08	x	x	x	x	x	0.14	x	x	x	0.12	x								
11	0.08	x	x	x	x	x	0.12	x	x	x	0.11	x								
12	0.11	x	x	x	0.38	0.14	0.13	x	x	x	0.13	x								
13	x	x	x	x	0.13	x	0.10	x	x	x	0.08	x								
14	x	x	x	x	0.11	x	0.10	x	x	x	0.08	x								
15	x	x	x	x	0.12	x	0.12	x	x	x	0.08	x								
16	x	x	x	x	0.11	x	0.12	x	0.33	0.15	0.09	x								
17	x	x	x	x	0.09	x	0.09	x	0.14	x	x	x								
18	x	x	x	x	0.09	x	0.08	x	0.12	x	x	x								
19	0.26	0.14	x	x	0.10	x	0.09	x	0.11	x	x	x								
20	0.12	x	x	x	0.08	x	x	x	0.11	x	0.30	0.16								
21	0.12	x	x	x	x	x	x	x	0.11	x	0.13	x								
22	0.12	x	x	x	x	x	x	x	0.10	x	0.12	x								
23	0.10	x	x	x	x	x	x	x	0.10	x	0.11	x								
24	0.09	x	x	x	x	x	0.31	0.15	0.09	x	0.09	x								
25	0.10	x	x	x	0.31	0.14	0.14	x	x	x	0.10	x								
26	x	x	x	x	0.15	x	0.15	x	0.23	0.15	0.08	x								
27	x	x	x	x	0.13	x	0.12	x	0.14	x	x	x								
28	x	x	x	x	0.12	x	0.12	x	0.13	x	x	x								
29	x	x	x	x	0.12	x	0.11	x	0.12	x	x	x								
30	x	x	x	x	0.11	x	0.11	x	0.11	x	x	x								
31																				

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
	Is the plant required to submit a Filter Profile Report?	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									
	Is the plant required to submit a Request for Compliance CPE?																				N

SUBMITTED BY: _____ Certificate No. _____ and Grade: WO0004220, A Date: May 1, 2012

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: April Year: 2012

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	8.100	19.0	7.0				
	CLA D3	2.7	8.100	20.0	7.5				
	D4								
	D5								
2	NA D1								
	FCL D2	0.2	4.900	20.0	7.0				
	CLA D3	2.7	4.900	20.0	7.8				
	D4								
	D5								
3	NA D1								
	FCL D2	0.2	3.900	20.0	7.1				
	CLA D3	2.7	3.900	20.0	8.0				
	D4								
	D5								
4	NA D1								
	FCL D2	0.2	3.900	20.0	7.0				
	CLA D3	2.8	3.900	20.0	7.8				
	D4								
	D5								
5	NA D1								
	FCL D2	0.4	4.600	22.0	7.0				
	CLA D3	2.7	4.600	21.0	7.6				
	D4								
	D5								
6	NA D1								
	FCL D2	0.2	5.700	22.0	7.0				
	CLA D3	2.4	5.700	21.0	7.4				
	D4								
	D5								
7	NA D1								
	FCL D2	0.2	5.700	22.0	7.0				
	CLA D3	2.4	5.700	21.0	7.4				
	D4								
	D5								
8	NA D1								
	FCL D2	0.2	5.300	21.0	7.0				
	CLA D3	2.7	5.300	21.0	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	0.3	5.300	21.0	7.0				
	CLA D3	2.5	5.300	21.0	7.5				
	D4								
	D5								
10	NA D1								
	FCL D2	0.3	5.400	21.0	7.0				
	CLA D3	2.8	5.400	21.0	7.7				
	D4								
	D5								
11	NA D1								
	FCL D2	0.2	5.200	22.0	6.9				
	CLA D3	2.8	5.200	22.0	7.8				
	D4								
	D5								
12	NA D1								
	FCL D2	0.4	5.200	22.0	7.1				
	CLA D3	2.9	5.200	23.0	7.9				
	D4								
	D5								
13	NA D1								
	FCL D2	0.3	5.200	22.0	6.9				
	CLA D3	3.0	5.200	23.0	7.9				
	D4								
	D5								
14	NA D1								
	FCL D2	0.3	5.100	22.0	6.9				
	CLA D3	2.3	5.100	23.0	8.1				
	D4								
	D5								
15	NA D1								
	FCL D2	0.3	5.000	22.0	7.0				
	CLA D3	1.9	5.000	22.0	8.1				
	D4								
	D5								
16	NA D1								
	FCL D2	0.2	5.000	21.0	7.0				
	CLA D3	2.4	5.000	22.0	8.1				
	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: _____ and Grade: WO0004220, A Certificate No. _____ Date: May 1, 2012

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: April Year: 2012

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									
Date	DISINFECTION PROCESS DATA								
	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time ^h
17	NA D1								
	FCL D2	0.3	5.000	21.0	7.0				
	CLA D3	2.4	5.000	22.0	8.2				
	D4								
	D5								
18	NA D1								
	FCL D2	0.2	4.800	22.0	6.9				
	CLA D3	2.8	4.800	22.0	7.6				
	D4								
	D5								
19	NA D1								
	FCL D2	0.3	5.000	22.0	7.0				
	CLA D3	2.7	5.000	22.0	7.8				
	D4								
	D5								
20	NA D1								
	FCL D2	0.2	4.900	22.0	7.0				
	CLA D3	2.9	4.900	22.0	7.9				
	D4								
	D5								
21	NA D1								
	FCL D2	0.3	4.700	21.0	7.1				
	CLA D3	2.6	4.700	21.0	7.8				
	D4								
	D5								
22	NA D1								
	FCL D2	0.3	6.100	21.0	7.1				
	CLA D3	2.7	6.100	21.0	7.8				
	D4								
	D5								
23	NA D1								
	FCL D2	0.2	6.200	21.0	7.0				
	CLA D3	2.9	6.200	21.0	7.6				
	D4								
	D5								
24	NA D1								
	FCL D2	0.2	6.300	21.0	7.0				
	CLA D3	2.9	6.300	21.0	7.6				
	D4								
	D5								

PERFORMANCE DATA									
Date	DISINFECTION PROCESS DATA								
	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time ^h
25	NA D1								
	FCL D2	0.2	6.500	21.0	7.0				
	CLA D3	2.5	6.500	21.0	7.8				
	D4								
	D5								
26	NA D1								
	FCL D2	0.1	6.400	22.0	7.0				
	CLA D3	2.8	6.400	22.0	7.8				
	D4								
	D5								
27	NA D1								
	FCL D2	0.1	6.500	23.0	7.0				
	CLA D3	2.8	6.500	23.0	7.7				
	D4								
	D5								
28	NA D1								
	FCL D2	0.1	6.400	23.0	7.1				
	CLA D3	2.9	6.400	23.0	7.8				
	D4								
	D5								
29	NA D1								
	FCL D2	0.1	6.500	23.0	7.2				
	CLA D3	2.7	6.500	23.0	7.9				
	D4								
	D5								
30	NA D1								
	FCL D2	0.1	6.500	23.0	7.2				
	CLA D3	2.7	6.500	23.0	7.9				
	D4								
	D5								
31	D1								
	D2								
	D3								
	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: May 1, 2012

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: April Year: 2012

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	4/3	100	5.23	3.31	36.7	35	1.05	20.6	1.8	1.78
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
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28										
29										
30										
31										
Avg		100.00	5.23	3.31	36.71		1.05		1.8	1.78
Max		100.00	5.23	3.31	36.71		1.05		1.8	1.78
Min		100.00	5.23	3.31	36.71		1.05		1.8	1.78

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	
100	5.23	3.31	36.7	NA	1.78

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 No. and Grade: WO0004220, A

Date: May 1, 2012

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: April Year: 2012

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 5.23	Q1			Q2			Q3			Q4		
	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011	01/2012	02/2012	03/2012
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 3.31	Q1			Q2			Q3			Q4		
	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011	01/2012	02/2012	03/2012
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	Q1			Q2			Q3			Q4		
	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011	01/2012	02/2012	03/2012
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 2012: mg/L HAA5 RAA for the 4 quarters that end March 2012: 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 2012: mg/L HAA5 RAA for the 4 quarters that end March 2012: 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		
	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011	01/2012	02/2012	03/2012
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		
	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011	01/2012	02/2012	03/2012
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		
	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011	01/2012	02/2012	03/2012
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		
	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011	01/2012	02/2012	03/2012
Raw												
Treated												
Removal												
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: May 1, 2012

STEP 2 JAR TEST REPORT

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

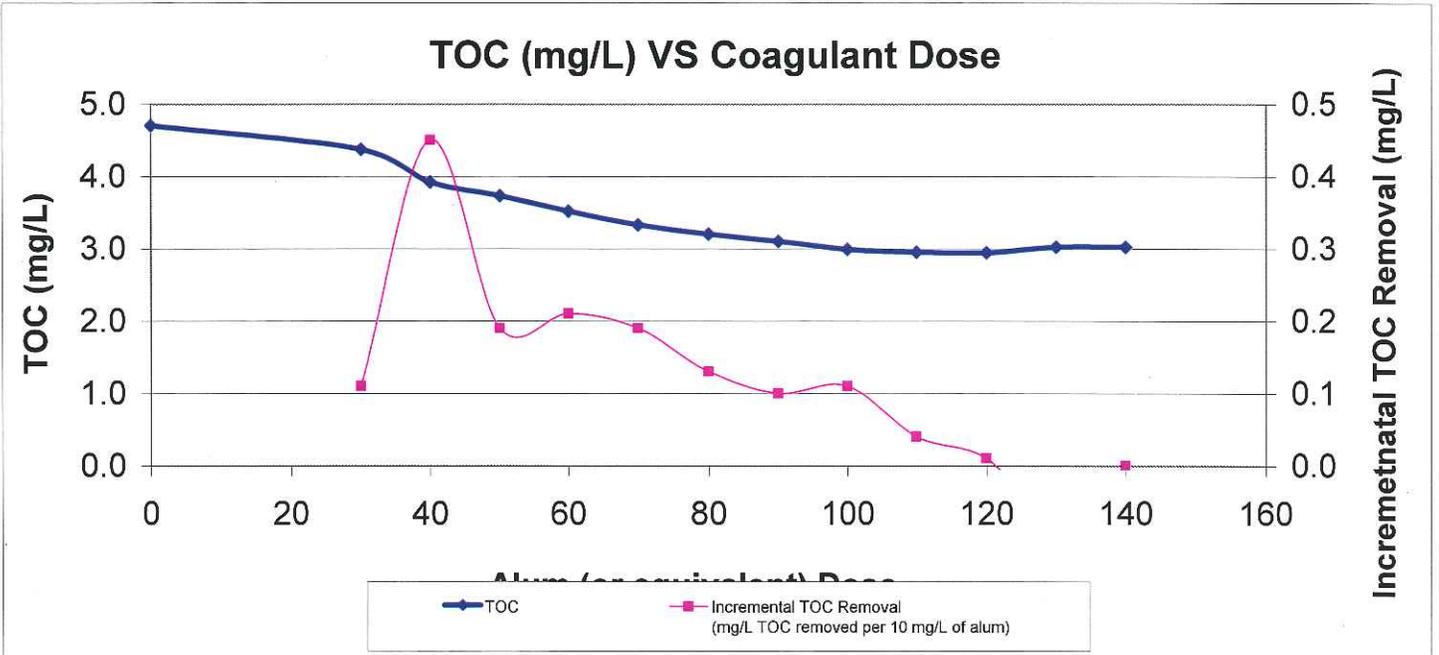
PUBLIC WATER SYSTEM NAME: City of Corsicana
 PWS ID No.: 1750002

PLANT NAME OR NUMBER: Navarro Mills
 DATE OF JAR TEST: March 22, 2012

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	120.00	n/a	0.00	n/a	0.00	Caustic	24.00

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)
Alum	11	n/a	-	0.5	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					104	8.4	4.7		
1	30	1.50	0.00			7.4	4.4	0.1	7.0
2	40	2.00	0.00			7.3	3.9	0.5	16.6
3	50	2.50	0.00			7.2	3.7	0.2	20.6
4	60	3.00	0.00		Target pH (based on raw water alkalinity)	7.0	3.5	0.2	25.1
5	70	3.50	0.00			6.9	3.3	0.2	29.1
6	80	4.00	0.00			6.8	3.2	0.1	31.9
7	90	4.50	0.00			6.8	3.1	0.1	34.0
8	100	5.00	0.00		6.3	6.6	3.0	0.1	36.4
9	110	5.50	0.00			6.5	3.0	0.0	37.2
10	120	6.00	0.00			6.5	2.9	0.0	37.4
11	130	6.50	0.00			6.5	3.0	-0.1	bad data point
12	140	7.00	0.00			6.5	3.0	0.0	35.7
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:			20.6	



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