

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: December 2013

Operator's Signature: _____
Certificate No. & Grade: WO0004220, A Date: January 2, 2014

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	<u>186</u>	Number of 4-hour periods when plant was off-line:	<u>0</u>	
Number of readings above 0.10 NTU:	<u>5</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>0.13</u> NTU	Average turbidity value:	<u>0.08</u> NTU
	Minimum turbidity reading:	<u>0.06</u> NTU	Standard deviation:	<u>0.012</u> NTU
	CFE 95 th percentile value:	<u>0.10</u> NTU	IFE 95 th percentile:	<u>0.200</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>2.21</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>20.49</u>	
		Number of days when profiling data was not collected:	<u>0</u>	
		Number of days when CT data was not collected:	<u>0</u>	
Minimum disinfectant residual required leaving the plant:	<u>0.5</u> 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 with a low residual for more than 4.0 consecutive hours:	<u>0</u> (5)	Number of days when disinfectant residual leaving the plant was not properly monitored:	<u>0</u>	

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>2.36</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 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: City of Corsicana

PLANT NAME OR NUMBER: Navarro Mills

PWS ID No.: 1750002

Connections: 10,836

Month: December Year: 2013

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	6.630	5.847	27	103	0.7	0.9	1.0	1.0	0.9	0.8	0.09	0.09	0.09	0.08	0.09	0.09	2.7	
2	7.220	4.679	25	102	0.8	1.0	1.0	1.0	0.9	0.9	0.09	0.09	0.08	0.08	0.08	0.09	2.6	
3	7.250	5.888	22	101	0.9	1.1	1.2	1.2	1.2	1.1	0.09	0.09	0.09	0.10	0.10	0.10	2.8	
4	5.920	5.364	21	100	0.6	0.7	0.9	0.9	0.9	0.8	0.10	0.10	0.09	0.09	0.09	0.11	2.5	
5	5.330	4.328	23	101	0.7	0.9	0.9	1.0	0.8	0.8	0.08	0.08	0.08	0.09	0.09	0.09	2.2	
6	5.350	4.928	22	101	0.8	0.7	0.9	1.0	0.8	0.9	0.09	0.09	0.09	0.09	0.09	0.09	2.0	
7	5.490	3.855	19	103	0.7	0.7	0.9	1.0	0.8	0.7	0.08	0.08	0.08	0.08	0.07	0.07	2.0	
8	5.550	4.996	20	104	0.6	0.7	0.8	0.7	0.7	0.6	0.07	0.07	0.06	0.07	0.07	0.06	1.8	
9	6.640	5.022	17	104	0.6	0.7	0.8	0.7	0.7	0.6	0.07	0.07	0.06	0.06	0.06	0.06	2.6	
10	7.290	5.641	17	104	0.7	0.8	0.8	0.8	0.8	0.7	0.08	0.08	0.08	0.09	0.10	0.09	2.3	
11	7.430	5.850	19	101	0.6	0.9	0.9	0.9	0.9	0.8	0.09	0.09	0.09	0.09	0.09	0.08	2.9	
12	7.250	4.763	20	104	0.7	0.8	0.9	0.9	0.8	0.7	0.09	0.09	0.09	0.09	0.10	0.09	3.0	
13	5.460	4.878	21	103	0.8	0.8	1.0	1.0	1.0	0.8	0.09	0.08	0.08	0.08	0.08	0.09	3.0	
14	5.190	4.313	23	105	0.7	0.8	0.9	0.9	0.8	0.8	0.09	0.09	0.09	0.08	0.09	0.10	3.1	
15	5.340	4.886	23	107	0.5	0.8	0.9	0.9	0.7	0.8	0.08	0.08	0.08	0.08	0.10	0.08	3.0	
16	5.360	3.544	20	106	0.7	0.8	0.9	0.8	0.9	0.7	0.10	0.10	0.07	0.07	0.07	0.07	2.8	
17	5.390	4.140	21	104	0.7	0.9	0.9	0.9	0.9	0.7	0.07	0.07	0.07	0.08	0.08	0.07	2.9	
18	6.660	5.268	20	105	0.8	0.8	1.1	0.9	0.9	0.8	0.08	0.08	0.08	0.08	0.10	0.09	2.8	
19	7.220	5.142	20	106	0.9	0.8	1.2	1.0	1.1	1.1	0.08	0.08	0.09	0.09	0.09	0.10	3.1	
20	6.160	4.606	20	104	0.8	0.8	1.0	0.9	0.8	0.8	0.08	0.08	0.08	0.08	0.10	0.10	3.0	
21	5.240	4.987	24	107	0.8	0.8	0.9	0.9	0.8	0.7	0.08	0.09	0.08	0.11	0.13	0.12	2.8	
22	5.400	4.213	19	106	0.7	0.8	0.9	0.9	0.8	0.7	0.10	0.09	0.08	0.08	0.08	0.07	2.9	
23	5.430	4.109	20	106	0.7	0.8	0.9	0.8	0.8	0.7	0.07	0.07	0.06	0.07	0.07	0.07	2.5	
24	5.340	4.762	22	107	0.7	1.0	1.0	1.0	1.0	0.8	0.07	0.07	0.07	0.07	0.07	0.07	2.3	
25	5.390	4.596	22	107	0.8	1.1	1.1	1.2	1.0	1.0	0.08	0.07	0.07	0.07	0.07	0.08	2.5	
26	6.160	4.596	24	107	0.7	0.8	1.0	1.1	0.8	0.9	0.07	0.08	0.08	0.07	0.08	0.09	2.6	
27	7.320	5.549	23	105	0.7	1.0	1.0	1.1	1.0	0.9	0.08	0.09	0.09	0.10	0.10	0.10	2.7	
28	7.100	4.601	23	108	0.9	1.0	1.1	1.0	1.0	1.0	0.10	0.10	0.09	0.10	0.09	0.11	2.8	
29	5.880	4.473	22	109	0.7	0.9	1.0	1.0	0.9	0.8	0.10	0.10	0.09	0.09	0.09	0.08	2.5	
30	5.460	4.570	23	109	0.6	0.7	0.9	0.9	0.8	0.7	0.10	0.08	0.09	0.08	0.08	0.08	2.2	
31	5.350	4.569	21	107	0.6	0.8	0.9	0.9	0.8	0.8	0.08	0.08	0.07	0.07	0.07	0.07	2.5	
Total	188.200	148.963																
Avg	6.071	4.805																
Max	7.430	5.888																
Min	5.190	3.544																

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: January 2, 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: City of Corsicana
PWS ID No.: 1750002

PLANT NAME
OR NUMBER: Navarro Mills
Month: December Year: 2013

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	x	x	0.18	0.13	0.14	x	0.11	x	0.14	x	x	x								
2	0.20	0.14	0.12	x	0.13	x	0.09	x	0.10	x	x	x								
3	0.15	x	0.14	x	x	x	0.12	x	0.12	x	0.19	0.14								
4	0.12	x	0.11	x	x	x	x	x	0.13	x	0.12	x								
5	0.11	x	0.11	x	x	x	x	x	x	x	0.12	x								
6	0.12	x	0.10	x	x	x	x	x	x	x	0.12	x								
7	0.10	x	0.09	x	x	x	x	x	x	x	0.10	x								
8	0.07	x	0.06	x	x	x	x	x	x	x	0.07	x								
9	0.09	x	0.12	x	0.18	0.11	x	x	x	x	0.11	x								
10	0.10	x	0.12	x	0.14	x	x	x	0.19	0.15	0.11	x								
11	x	x	0.13	x	0.12	x	0.23	0.13	0.17	x	0.14	x								
12	x	x	x	x	0.10	x	0.12	x	0.10	x	0.07	x								
13	x	x	x	x	0.10	x	0.11	x	0.10	x	0.07	x								
14	x	x	x	x	0.09	x	0.10	x	0.09	x	x	x								
15	x	x	x	x	0.12	x	0.13	x	0.10	x	x	x								
16	x	x	x	x	0.26	x	0.17	x	0.14	x	x	x								
17	0.20	0.12	x	x	0.09	x	0.09	x	0.09	x	x	x								
18	0.12	x	0.17	0.11	x	x	0.13	x	0.13	x	0.18	0.12								
19	0.09	x	0.11	x	x	x	0.08	x	x	x	0.11	x								
20	0.09	x	0.09	x	x	x	0.14	x	x	x	0.10	x								
21	0.11	x	0.11	x	x	x	x	x	x	x	0.11	x								
22	0.09	x	0.08	x	x	x	x	x	x	x	0.09	x								
23	0.14	x	0.09	x	x	x	x	x	x	x	0.11	x								
24	0.10	x	0.08	x	x	x	x	x	x	x	0.09	x								
25	0.09	x	0.19	x	x	x	x	x	x	x	0.11	x								
26	0.15	x	0.11	x	0.17	0.13	x	x	0.18	0.13	0.09	x								
27	0.21	0.13	0.23	x	0.12	x	0.20	0.15	0.13	x	0.08	x								
28	0.12	x	x	x	0.11	x	0.11	x	0.10	x	x	x								
29	0.10	x	x	x	0.09	x	0.10	x	0.09	x	x	x								
30	0.10	x	x	x	x	x	0.10	x	0.10	x	x	x								
31	0.13	x	x	x	x	x	0.14	x	0.12	x	x	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							
	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: January 2, 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: City of Corsicana
PWS ID No.: 1750002

PLANT NAME OR NUMBER: Navarro Mills
Month: December Year: 2013

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	0.5	7.500	12.0	7.0				
	CLA D3	3.0	7.500	12.0	7.6	2.07	17.98	4.14	
	D4							(G)	
	D5								
2	NA D1								
	FCL D2	0.5	7.400	13.0	7.0				
	CLA D3	2.8	7.400	13.0	7.7	2.10	19.31	4.20	
	D4							(G)	
	D5								
3	NA D1								
	FCL D2	0.6	7.800	13.0	7.1				
	CLA D3	2.9	7.800	13.0	7.7	2.13	21.49	4.27	
	D4							(G)	
	D5								
4	NA D1								
	FCL D2	0.6	7.300	13.0	7.1				
	CLA D3	3.0	7.300	13.0	7.8	2.33	23.08	4.66	
	D4							(G)	
	D5								
5	NA D1								
	FCL D2	0.7	5.400	13.0	7.0				
	CLA D3	2.2	5.400	14.0	7.8	2.86	34.66	5.72	
	D4							(G)	
	D5								
6	NA D1								
	FCL D2	0.5	5.300	13.0	7.0				
	CLA D3	2.0	5.300	14.0	7.8	2.42	25.94	4.85	
	D4							(G)	
	D5								
7	NA D1								
	FCL D2	0.5	5.700	11.0	7.0				
	CLA D3	2.1	5.700	12.0	7.8	2.09	21.13	4.18	
	D4							(G)	
	D5								
8	NA D1								
	FCL D2	0.5	5.600	9.0	7.0				
	CLA D3	2.5	5.600	10.0	7.8	2.17	19.20	4.33	
	D4							(G)	
	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	7.600	9.0	7.0				
	CLA D3	3.4	7.600	10.0	7.7	2.00	14.94	3.99	
	D4							(G)	
	D5								
10	NA D1								
	FCL D2	0.6	7.600	9.0	7.1				
	CLA D3	2.6	7.600	10.0	7.7	1.71	16.63	3.42	
	D4							(G)	
	D5								
11	NA D1								
	FCL D2	0.6	7.800	9.0	7.0				
	CLA D3	3.0	7.800	10.0	7.7	1.86	16.54	3.72	
	D4							(G)	
	D5								
12	NA D1								
	FCL D2	0.6	7.500	9.0	7.0				
	CLA D3	3.0	7.500	10.0	7.6	1.93	17.20	3.87	
	D4							(G)	
	D5								
13	NA D1								
	FCL D2	0.6	7.200	9.0	7.0				
	CLA D3	3.0	7.200	10.0	7.7	2.01	17.92	4.03	
	D4							(G)	
	D5								
14	NA D1								
	FCL D2	0.6	5.400	9.0	7.1				
	CLA D3	3.1	5.400	10.0	7.6	2.72	24.02	5.44	
	D4							(G)	
	D5								
15	NA D1								
	FCL D2	0.5	5.600	8.0	7.0				
	CLA D3	3.3	5.600	9.0	7.7	2.53	18.81	5.06	
	D4							(G)	
	D5								
16	NA D1								
	FCL D2	0.6	5.600	9.0	7.0				
	CLA D3	2.9	5.600	9.0	7.6	2.47	22.69	4.93	
	D4							(G)	
	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: January 2, 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: City of Corsicana
 PWS ID No.: 1750002
 Type of treatment: Conventional Unconventional explain: _____

PLANT NAME OR NUMBER: Navarro Mills
 Month: December Year: 2013

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	
1	12/3	101	4.77	3.63	23.9	35	0.68			0.68
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		101.00	4.77	3.63	23.90		0.68			0.68
Max		101.00	4.77	3.63	23.90		0.68			0.68
Min		101.00	4.77	3.63	23.90		0.68			0.68

TOTAL ORGANIC CARBON (TOC) REMOVAL SUMMARY

TOC Summary: Don't forget to include a copy of your P.7-TOC ACC worksheet with your report.					Monthly Compliance Ratio
Raw Water Alkalinity	Raw Water TOC	Treated Water TOC	TOC % Removal	ACC # used	
101	4.77	3.63	23.9	5 RAA	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 No. and Grade: WO0004220, A

Date: January 2, 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

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: December Year: 2013

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

ACC #2

ACC #3

ACC #4

ACC #	Current Month SUVA	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.)											
		Q1			Q2			Q3			Q4		
		10/2012	11/2012	12/2012	01/2013	02/2013	03/2013	04/2013	05/2013	06/2013	07/2013	08/2013	09/2013
5		1.92	1.85	1.71	1.84	2.93	1.96	1.89	1.97	1.88	1.68	1.65	1.67
	Monthly Raw Water SUVA			1.83			2.24			1.91			1.67
	Quarterly Average RAA												1.91

ACC #6

ACC #7

ACC #8

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: January 2, 2014

STEP 2 JAR TEST REPORT

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

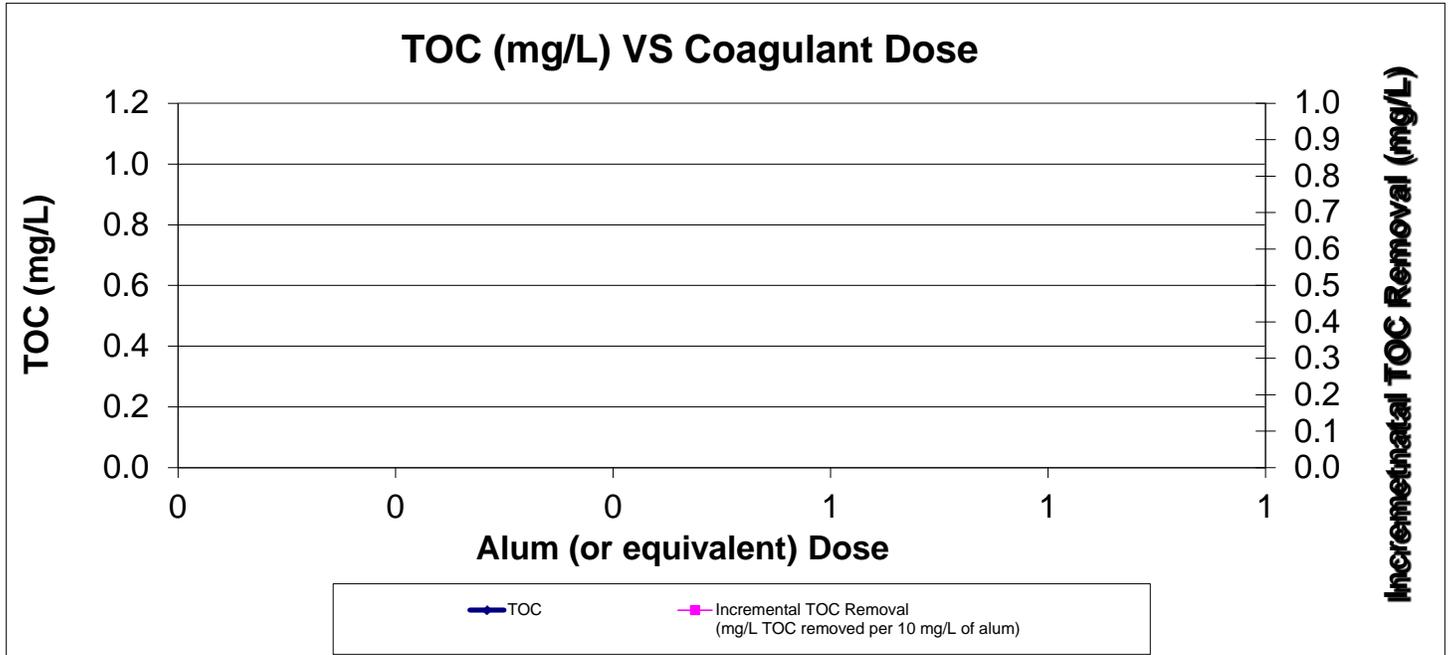
PUBLIC WATER SYSTEM NAME: City of Corsicana
 PWS ID No.: 1750002

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