

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 2010

Operator's Signature: _____
Certificate No. & Grade: WO0004220, A Date: January 3, 2011

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>175</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>0.21</u> NTU	Average turbidity value: <u>0.14</u> NTU
	Minimum turbidity reading: <u>0.09</u> NTU	Standard deviation: <u>0.027</u> NTU
	CFE 95 th percentile value: <u>0.19</u> NTU	IFE 95 th percentile: <u>0.291</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: <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>2.70</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
 PWS ID No.: 1750002
 Month: December Year: 2010

PLANT NAME OR NUMBER: Navarro Mills
 Connections: 10,795
 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	6.630	5.317	28	106	0.7	1.0	1.2	1.0	0.9	0.9	0.12	0.12	0.12	0.12	0.12	0.11	2.9	
2	6.550	5.733	28	108	0.8	1.0	1.1	1.1	0.9	0.9	0.11	0.13	0.11	0.12	0.12	0.11	2.9	
3	5.540	4.903	26	105	0.8	0.9	1.1	0.9	0.9	0.9	0.12	0.13	0.13	0.13	0.12	0.12	2.9	
4	3.880	4.139	27	105	0.7	0.8	1.1	0.8	0.8	0.8	0.13	x	x	0.11	0.11	0.11	3.0	
5	4.920	4.593	25	105	0.6	0.8	0.9	0.8	0.7	0.7	0.11	0.10	0.11	0.11	0.11	0.11	3.2	
6	4.920	4.395	26	107	0.6	0.7	1.0	0.7	0.9	0.7	0.11	0.11	0.09	0.09	0.09	0.09	3.2	
7	4.980	4.676	27	106	0.7	1.1	0.9	1.0	0.9	0.8	0.11	0.12	0.11	0.11	0.12	0.12	2.4	
8	4.940	4.349	27	106	0.8	1.1	1.1	1.1	1.0	1.0	0.14	0.13	0.13	0.13	0.16	0.13	2.7	
9	4.950	4.240	28	102	1.0	1.2	1.0	1.1	0.9	0.9	0.14	0.14	0.11	0.12	0.12	0.11	3.0	
10	4.960	3.910	28	101	0.8	0.9	1.2	1.0	0.9	1.0	0.14	0.13	0.12	0.12	0.11	0.11	3.1	
11	5.630	5.234	28	101	0.8	1.1	1.2	1.0	1.0	1.0	0.11	0.11	0.10	0.11	0.10	0.10	3.0	
12	4.980	4.866	28	104	0.7	0.9	1.0	0.9	0.9	0.9	0.14	0.15	0.13	0.12	0.13	0.13	2.9	
13	4.990	4.618	30	107	0.8	0.9	1.2	1.0	1.0	0.8	0.13	0.11	0.11	0.12	0.13	0.13	3.0	
14	4.880	3.940	29	108	0.9	1.1	1.2	1.2	1.1	0.9	0.14	0.14	0.14	0.14	0.14	0.13	3.0	
15	6.110	5.599	32	105	1.0	1.0	1.2	1.3	1.1	1.2	0.16	0.16	0.14	0.16	0.15	0.13	3.0	
16	7.280	5.209	31	108	0.8	1.3	1.1	1.0	1.1	1.0	0.16	0.15	0.12	0.13	0.14	0.13	3.2	
17	4.960	5.236	30	108	0.8	1.0	1.2	1.1	1.1	1.0	0.14	0.17	0.13	0.15	0.15	0.15	2.9	
18	4.990	5.016	30	106	0.9	1.1	1.2	1.1	1.1	1.0	0.16	0.14	0.13	0.13	0.14	0.15	3.0	
19	5.180	3.888	29	107	0.8	1.0	1.2	1.0	1.0	1.0	0.15	0.14	0.14	0.17	0.15	0.18	2.8	
20	4.970	4.522	31	107	0.9	1.0	1.3	1.1	1.2	0.9	0.13	0.12	0.11	0.11	0.10	0.12	3.0	
21	4.890	4.273	32	110	0.9	1.1	1.3	1.1	1.2	1.0	0.16	0.16	0.13	0.14	0.15	0.17	3.1	
22	4.900	4.450	31	109	0.9	1.1	1.4	1.3	1.4	1.1	0.18	0.19	0.16	0.17	0.21	0.20	3.0	
23	4.890	4.603	30	109	0.9	1.4	1.1	1.3	1.2	1.1	0.21	0.21	0.18	0.18	0.17	0.16	3.2	
24	4.940	3.738	30	110	1.0	1.2	1.2	1.2	1.1	1.2	0.18	0.19	0.18	0.19	0.17	0.16	3.2	
25	4.940	4.532	31	110	0.9	1.2	1.2	1.0	1.1	1.0	0.17	0.17	0.16	0.16	0.17	0.15	3.3	
26	4.930	4.817	34	110	0.8	1.0	1.1	1.0	0.9	0.9	0.16	0.15	0.15	0.15	0.15	0.14	3.2	
27	4.940	4.028	34	111	0.8	0.9	1.2	1.0	1.0	0.9	0.13	0.14	0.12	0.11	0.12	0.12	3.1	
28	5.100	5.002	36	111	0.9	1.2	1.3	1.2	1.1	1.1	0.13	0.14	0.13	0.14	0.15	0.18	3.2	
29	5.100	3.657	37	109	1.0	1.2	1.3	1.3	1.3	1.2	0.21	0.21	0.16	0.18	0.17	0.20	2.4	
30	5.560	4.654	34	111	1.0	1.2	1.3	1.2	1.2	1.2	0.17	0.16	0.15	0.15	0.15	0.15	2.5	
31	7.080	5.781	32	112	1.1	1.3	1.4	1.2	1.3	1.3	0.15	0.17	0.15	0.18	0.14	0.15	2.8	
Total	163.510	143.918																
Avg	5.275	4.643																
Max	7.280	5.781																
Min	3.880	3.657																

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 3, 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
PWS ID No.: 1750002

PLANT NAME
OR NUMBER: Navarro Mills
Month: December 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	x	x	0.14	x	0.17	x	x	x	x	0.13	x									
2	x	x	0.14	x	0.16	x	x	x	0.22	0.17	0.20	x								
3	x	x	0.13	x	0.15	x	x	x	0.16	x	x	x								
4	x	x	0.24	x	0.20	x	x	x	0.18	x	x	x								
5	x	x	0.13	x	0.15	x	x	x	0.15	x	x	x								
6	x	x	0.13	x	0.13	x	0.24	0.17	0.13	x	x	x								
7	x	x	x	x	0.14	x	0.18	x	0.15	x	x	x								
8	x	x	x	x	0.15	x	0.17	x	0.15	x	x	x								
9	x	x	x	x	0.13	x	0.15	x	0.13	x	x	x								
10	x	x	x	x	0.14	x	0.15	x	0.13	x	x	x								
11	0.27	0.19	x	x	0.15	x	0.17	x	0.33	x	x	x								
12	0.21	x	x	x	x	x	0.15	x	0.14	x	x	x								
13	0.20	x	x	x	x	x	0.15	x	0.15	x	0.27	0.20								
14	0.22	x	x	x	x	x	0.16	x	x	x	0.20	x								
15	0.23	x	x	x	x	x	0.17	x	x	x	0.22	x								
16	0.20	x	x	x	x	x	0.16	x	x	x	0.18	x								
17	0.24	x	0.27	0.25	x	x	x	x	x	x	0.22	x								
18	0.19	x	0.22	x	x	x	x	x	x	x	0.22	x								
19	0.18	x	0.20	x	x	x	x	x	x	x	0.16	x								
20	0.17	x	0.20	x	x	x	x	x	x	x	0.19	x								
21	x	x	0.22	x	0.27	0.26	x	x	x	x	0.18	x								
22	x	x	0.23	x	0.27	x	x	x	x	x	0.19	x								
23	x	x	0.37	x	0.29	x	x	x	0.34	0.26	0.18	x								
24	x	x	0.19	x	0.21	x	x	x	0.23	x	x	x								
25	x	x	0.18	x	0.20	x	x	x	0.21	x	x	x								
26	x	x	0.17	x	0.19	x	x	x	0.20	x	x	x								
27	x	x	0.16	x	0.18	x	0.31	0.21	0.18	x	x	x								
28	x	x	x	x	0.21	x	0.26	x	0.21	x	x	x								
29	x	x	x	x	0.21	x	0.25	x	0.21	x	x	x								
30	x	x	x	x	0.22	x	0.21	x	0.22	x	x	x								
31	x	x	0.38	0.22	0.15	x	0.18	x	0.16	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	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	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	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	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	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	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	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	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 3, 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
PWS ID No.: 1750002

PLANT NAME OR NUMBER: Navarro Mills
Month: December 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	0.8	6.800	15.0	8.1				
	CLA D3	3.0	6.800	15.0	7.9				
	D4								
	D5								
2	NA D1								
	FCL D2	0.7	6.600	15.0	8.0				
	CLA D3	2.9	6.600	15.0	7.8				
	D4								
	D5								
3	NA D1								
	FCL D2	0.7	6.500	15.0	8.0				
	CLA D3	2.9	6.500	15.0	7.8				
	D4								
	D5								
4	NA D1								
	FCL D2	0.9	5.000	15.0	8.1				
	CLA D3	3.1	5.000	15.0	7.8				
	D4								
	D5								
5	NA D1								
	FCL D2	0.9	4.900	16.0	8.2				
	CLA D3	3.0	4.900	15.0	7.9				
	D4								
	D5								
6	NA D1								
	FCL D2	0.6	5.000	13.0	8.1				
	CLA D3	3.5	5.000	14.0	7.9				
	D4								
	D5								
7	NA D1								
	FCL D2	0.4	5.000	13.0	8.1				
	CLA D3	3.2	5.000	13.0	7.9				
	D4								
	D5								
8	NA D1								
	FCL D2	0.7	5.100	13.0	8.1				
	CLA D3	2.7	5.100	13.0	7.9				
	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	0.7	5.000	12.0	7.9				
	CLA D3	3.2	5.000	13.0	7.8				
	D4								
	D5								
10	NA D1								
	FCL D2	0.6	5.000	12.0	8.0				
	CLA D3	3.3	5.000	13.0	7.9				
	D4								
	D5								
11	NA D1								
	FCL D2	0.7	6.600	12.0	8.1				
	CLA D3	3.0	6.600	13.0	7.9				
	D4								
	D5								
12	NA D1								
	FCL D2	0.5	5.000	12.0	8.0				
	CLA D3	3.0	5.000	12.0	7.9				
	D4								
	D5								
13	NA D1								
	FCL D2	0.5	5.000	11.0	8.1				
	CLA D3	3.2	5.000	12.0	8.0				
	D4								
	D5								
14	NA D1								
	FCL D2	0.6	5.000	11.0	8.1				
	CLA D3	3.1	5.000	12.0	8.0				
	D4								
	D5								
15	NA D1								
	FCL D2	0.7	7.200	12.0	7.9				
	CLA D3	3.0	7.200	12.0	7.3				
	D4								
	D5								
16	NA D1								
	FCL D2	0.7	7.300	12.0	8.2				
	CLA D3	3.3	7.300	12.0	7.9				
	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: January 3, 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
 PWS ID No.: 1750002
 Type of treatment: Conventional Unconventional explain: _____

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

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	12/7	114	4.02	3.20	20.4	35	0.58	17.5	1.2	1.17
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		114.00	4.02	3.20	20.40		0.58		1.2	1.17
Max		114.00	4.02	3.20	20.40		0.58		1.2	1.17
Min		114.00	4.02	3.20	20.40		0.58		1.2	1.17

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	
114	4.02	3.20	20.4	NA	1.17

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 3, 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: December 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		
	4.02	10/2009	11/2009	12/2009	01/2010	02/2010	03/2010	04/2010	05/2010	06/2010	07/2010	08/2010	09/2010
	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		
	3.20	10/2009	11/2009	12/2009	01/2010	02/2010	03/2010	04/2010	05/2010	06/2010	07/2010	08/2010	09/2010
	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		
		10/2009	11/2009	12/2009	01/2010	02/2010	03/2010	04/2010	05/2010	06/2010	07/2010	08/2010	09/2010
	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 September 2010: mg/L HAA5 RAA for the 4 quarter that end September 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 September 2010: <input type="text"/> mg/L						HAA5 RAA for the 4 quarters that end September 2010: <input type="text"/> 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) <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		
		10/2009	11/2009	12/2009	01/2010	02/2010	03/2010	04/2010	05/2010	06/2010	07/2010	08/2010	09/2010
	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:	Q1			Q2			Q3			Q4		
	<input type="text"/> In Plant	10/2009	11/2009	12/2009	01/2010	02/2010	03/2010	04/2010	05/2010	06/2010	07/2010	08/2010	09/2010
	<input type="text"/> By Finished Water SUVA Jar Test	Monthly Treated Water SUVA Quarterly Average RAA											

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		
		10/2009	11/2009	12/2009	01/2010	02/2010	03/2010	04/2010	05/2010	06/2010	07/2010	08/2010	09/2010
	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	10/2009	11/2009	12/2009	01/2010	02/2010	03/2010	04/2010	05/2010	06/2010	07/2010	08/2010	09/2010
	Treated	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: January 3, 2011

STEP 2 JAR TEST REPORT

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

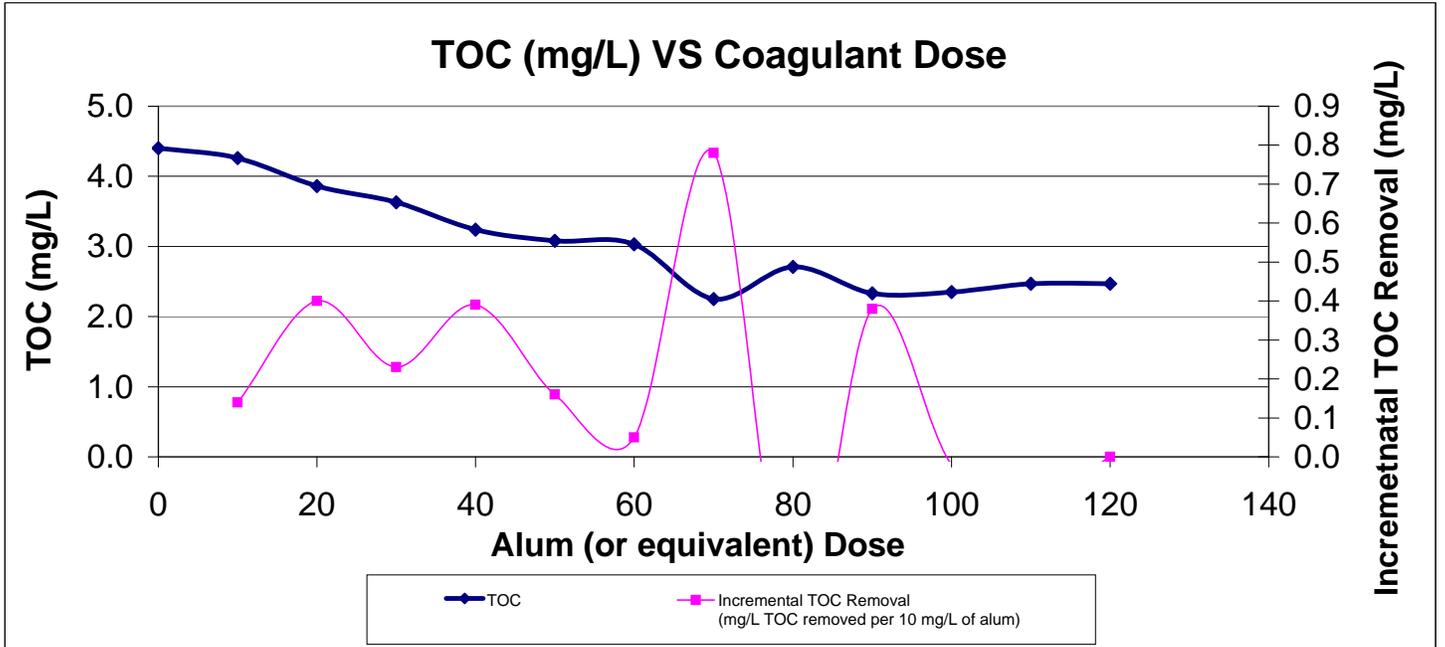
PUBLIC WATER
 SYSTEM NAME: City of Corsicana
 PWS ID No.: 1750002

PLANT NAME
 OR NUMBER: Navarro Mills
 DATE OF JAR TEST: September 22, 2010

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	80.00	CL9040	1.00	N/A	0.00	Caustic Soda	18.00

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)
liquid 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					97	7.8	4.4			
1	10	0.50	1.00	0.00	Target pH (based on raw water alkalinity)	7.4	4.3	0.1	3.2	
2	20	1.00	2.00	0.00		7.1	3.9	0.4	12.3	
3	30	1.50	3.00	0.00		7.0	3.6	0.2	17.5	
4	40	2.00	4.00	0.00		6.9	3.2	0.4	26.4	
5	50	2.50	5.00	0.00		6.8	3.1	0.2	30.0	
6	60	3.00	6.00	0.00		6.7	3.0	0.1	31.1	
7	70	3.50	7.00	0.00		6.6	2.3	0.8	48.9	
8	80	4.00	8.00	0.00		6.5	2.7	-0.5	bad data point	
9	90	4.50	9.00	0.00		6.3	2.3	0.4	47.0	
10	100	5.00	10.00	0.00		6.3	2.4	0.0	bad data point	
11	110	5.50	11.00	0.00	6.3	2.5	-0.1	bad data point		
12	120	6.00	12.00	0.00	6.3	2.5	0.0	43.9		
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: More than one PODR found; please enter correct PODR value:			More than 1 PODR 17.5%		



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