

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: May 2012

Certificate No. & Grade: WO0004220, A

Date: June 1, 2012

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>89</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>0.16</u> NTU	Average turbidity value:	<u>0.10</u> NTU
Minimum turbidity reading:	<u>0.06</u> NTU	Standard deviation:	<u>0.024</u> NTU
CFE 95 th percentile value:	<u>0.14</u> NTU	IFE 95 th percentile:	<u>0.290</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>1.88</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.

#NAME?	<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: 10,856

Month: May 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	6.400	5.352	30	117	0.7	0.8	0.9	0.8	0.7	0.7	0.10	0.10	0.08	0.09	0.09	0.10	2.6	
2	6.330	5.833	33	119	0.7	0.9	0.9	0.8	0.7	0.8	0.10	0.10	0.11	0.11	0.12	0.12	2.6	
3	6.170	5.485	36	119	0.7	0.8	0.8	0.9	0.7	0.7	0.12	0.11	0.11	0.12	0.12	0.13	2.6	
4	6.130	5.444	36	120	0.7	0.8	1.0	0.8	0.8	0.7	0.12	0.14	0.13	0.13	0.14	0.13	2.6	
5	6.250	5.347	42	120	0.8	0.8	0.9	0.8	0.8	0.8	0.13	0.13	0.14	0.16	0.16	0.14	2.9	
6	6.220	6.130	39	122	0.8	0.8	0.9	0.9	0.8	0.7	0.14	0.13	0.12	0.12	0.13	0.12	2.8	
7	5.470	4.399	35	119	0.7	0.7	0.9	0.8	0.8	0.6	0.11	0.11	0.11	0.10	0.10	0.10	2.5	
8	5.750	5.708	31	117	0.9	0.9	1.0	1.0	0.9	0.8	0.11	0.16	0.14	0.14	0.14	0.14	2.3	
9	4.880	4.390	33	118	0.6	0.7	0.8	0.7	0.6	0.6	0.14	0.14	0.14	0.14	0.15	0.14	2.3	
10	4.890	4.450	34	120	0.7	0.7	1.0	0.9	0.8	0.8	0.13	0.13	0.13	0.13	0.12	0.12	2.4	
11	4.950	4.211	38	119	0.7	0.8	1.0	0.9	0.8	0.8	0.11	x	0.12	0.11	0.11	0.12	2.7	
12	5.030	3.856	40	122	0.7	0.7	1.0	0.8	0.8	0.7	0.11	0.11	0.11	0.11	0.11	0.11	2.7	
13	5.030	4.389	44	120	0.6	0.6	0.7	0.8	0.5	0.6	0.11	0.11	0.11	0.10	0.11	0.10	2.6	
14	4.950	4.602	41	119	0.7	0.6	1.0	0.8	0.8	0.6	0.10	0.09	0.08	0.08	0.07	0.07	2.7	
15	5.020	3.920	49	119	0.7	0.9	1.2	1.1	0.9	0.8	0.08	0.08	0.07	0.07	0.08	0.07	2.6	
16	6.260	5.311	39	118	0.6	0.7	1.0	0.9	0.7	0.6	0.06	0.06	0.06	0.06	0.07	0.07	2.8	
17	7.110	5.697	38	117	0.6	0.8	0.9	0.8	0.7	0.6	0.08	x	0.09	0.10	0.08	0.08	2.8	
18	6.310	5.524	34	115	0.6	0.7	0.8	0.8	0.7	0.6	0.08	0.08	0.09	0.09	0.09	0.09	2.9	
19	5.190	4.462	31	116	0.5	0.6	0.8	0.7	0.6	0.6	0.09	0.08	0.08	0.09	0.09	0.09	3.0	
20	5.150	4.478	32	116	0.5	0.6	0.6	0.6	0.5	0.6	0.10	0.09	0.09	0.08	0.10	0.09	2.8	
21	8.440	6.675	29	114	x	0.6	0.8	0.7	0.6	0.5	0.10	0.09	0.08	0.08	0.09	0.09	2.9	
22	9.730	6.381	30	116	0.7	x	x	0.9	0.7	0.6	0.13	0.10	0.11	0.08	0.07	0.08	3.2	
23	9.100	6.897	25	115	0.6	0.6	0.8	x	x	0.6	0.07	0.07	0.06	0.06	0.07	0.09	3.1	
24	8.550	7.106	19	109	0.6	0.6	0.7	0.8	0.9	x	0.08	0.09	0.08	0.08	0.07	0.08	3.1	
25	4.890	4.421	26	105	0.5	0.6	0.6	0.5	0.6	0.6	0.08	0.08	0.08	0.07	0.07	0.07	2.9	
26	5.510	5.467	27	114	0.5	0.6	0.7	0.6	0.5	0.5	0.07	0.07	0.07	0.07	0.07	0.09	3.0	
27	8.780	7.000	31	114	0.4	0.6	0.6	0.6	0.6	0.5	0.09	0.09	0.09	0.09	0.09	0.09	2.8	
28	9.470	8.676	35	112	0.5	0.5	0.7	0.6	0.6	0.5	0.10	0.11	0.11	0.11	0.11	0.11	3.0	
29	7.000	6.790	27	110	0.5	0.6	0.6	0.6	0.5	0.5	0.13	0.12	0.11	0.12	0.12	0.13	2.7	
30	6.880	6.149	30	110	0.6	0.6	0.7	0.7	0.7	0.6	0.13	0.13	0.13	0.13	0.14	0.14	2.7	
31	6.450	5.842	29	110	0.6	0.6	0.7	0.8	0.7	0.8	0.13	0.13	0.13	0.12	0.11	0.11	2.8	
Total	198.290	170.392																
Avg	6.396	5.497																
Max	9.730	8.676																
Min	4.880	3.856																

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: June 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
PWS ID No.: 1750002

PLANT NAME
OR NUMBER: Navarro Mills
Month: May 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	x	x	0.30	0.17	0.10	x	0.18	x	0.14	x	0.22	0.15								
2	x	x	0.17	x	x	x	x	x	0.11	x	0.14	x									
3	x	x	0.22	x	x	x	0.29	0.20	0.11	x	0.17	x									
4	x	x	0.21	x	x	x	0.25	x	x	x	0.19	x									
5	x	x	0.25	x	x	x	0.30	x	x	x	0.22	x									
6	x	x	0.15	x	x	x	0.17	x	x	x	0.13	x									
7	x	x	0.35	x	x	x	0.23	x	0.29	0.21	0.13	x									
8	x	x	0.14	x	0.30	0.19	0.17	x	0.20	x	x	x									
9	x	x	x	x	0.20	x	0.25	x	0.19	x	x	x									
10	x	x	x	x	0.15	x	0.12	x	0.13	x	x	x									
11	x	x	x	x	0.18	x	0.63	x	0.20	x	x	x									
12	x	x	0.27	0.12	0.12	x	0.11	x	0.11	x	x	x									
13	x	x	0.13	x	0.11	x	x	x	0.10	x	x	x									
14	x	x	0.11	x	0.09	x	x	x	0.09	x	x	x									
15	x	x	0.10	x	0.09	x	x	x	0.08	x	x	x									
16	x	x	0.09	x	0.10	x	0.28	0.13	0.10	x	0.31	0.11									
17	0.17	0.11	0.09	x	0.19	x	0.13	x	x	x	0.11	x									
18	0.11	x	0.09	x	x	x	0.11	x	x	x	0.10	x									
19	x	x	0.10	x	x	x	0.13	x	x	x	0.11	x									
20	x	x	0.10	x	x	x	0.13	x	x	x	0.12	x									
21	0.18	x	0.12	x	0.24	0.15	0.14	x	0.27	0.12	0.12	x									
22	0.09	x	x	x	0.11	x	0.11	x	0.11	x	0.08	x									
23	0.07	x	x	x	0.09	x	0.08	x	0.10	x	0.06	x									
24	0.08	x	0.20	0.10	0.10	x	0.08	x	0.09	x	0.15	0.09									
25	x	x	x	x	0.08	x	x	x	0.08	x	0.09	x									
26	x	x	0.13	x	0.12	x	x	x	0.10	x	0.10	x									
27	0.20	0.15	0.14	x	0.14	x	0.20	0.15	0.13	x	0.12	x									
28	0.18	x	0.15	x	x	x	0.18	x	0.12	x	0.13	x									
29	0.20	x	0.21	x	x	x	0.24	x	0.15	x	0.16	x									
30	0.21	x	0.18	x	x	x	0.22	x	x	x	0.15	x									
31	0.14	x	0.13	x	x	x	0.16	x	x	x	0.11	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	#####	#####	#####	#####	#####	#####																
	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	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	
	Number of days with event(s) above 2.0 NTU this month	#####	#####	#####	#####	#####	#####															#####	
	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?	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	
	Is the plant required to submit a Filter Assessment Report?	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	
	Is the plant required to submit a Request for Compliance CPE?																					#####	

SUBMITTED BY: _____ Certificate No. _____ and Grade: WO0004220, A Date: June 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: May 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	0.1	6.500	23.0	7.1				
	CLA D3	2.7	6.500	23.0	7.9				
	D4								
	D5								
2	NA D1								
	FCL D2	0.1	6.500	24.0	7.1				
	CLA D3	2.7	6.500	24.0	7.9				
	D4								
	D5								
3	NA D1								
	FCL D2	0.1	6.200	24.0	7.1				
	CLA D3	2.6	6.200	24.0	7.9				
	D4								
	D5								
4	NA D1								
	FCL D2	0.1	6.200	24.0	7.1				
	CLA D3	2.6	6.200	24.0	7.8				
	D4								
	D5								
5	NA D1								
	FCL D2	0.1	6.300	25.0	7.2				
	CLA D3	2.9	6.300	25.0	7.9				
	D4								
	D5								
6	NA D1								
	FCL D2	0.1	6.300	25.0	7.1				
	CLA D3	2.8	6.300	25.0	7.8				
	D4								
	D5								
7	NA D1								
	FCL D2	0.1	6.400	25.0	7.2				
	CLA D3	2.5	6.400	25.0	7.8				
	D4								
	D5								
8	NA D1								
	FCL D2	0.1	6.400	25.0	7.1				
	CLA D3	2.3	6.400	25.0	7.7				
	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	0.1	5.000	25.0	7.1				
	CLA D3	2.4	5.000	25.0	7.9				
	D4								
	D5								
10	NA D1								
	FCL D2	0.1	4.900	25.0	7.1				
	CLA D3	2.4	4.900	25.0	7.9				
	D4								
	D5								
11	NA D1								
	FCL D2	0.1	5.000	24.0	7.1				
	CLA D3	2.7	5.000	24.0	7.7				
	D4								
	D5								
12	NA D1								
	FCL D2	0.1	5.100	23.0	7.2				
	CLA D3	2.7	5.100	24.0	7.8				
	D4								
	D5								
13	NA D1								
	FCL D2	0.1	5.100	23.0	7.2				
	CLA D3	2.6	5.100	24.0	7.8				
	D4								
	D5								
14	NA D1								
	FCL D2	0.1	5.200	24.0	7.1				
	CLA D3	2.9	5.200	24.0	7.5				
	D4								
	D5								
15	NA D1								
	FCL D2	0.1	5.100	24.0	7.1				
	CLA D3	2.9	5.100	24.0	7.6				
	D4								
	D5								
16	NA D1								
	FCL D2	0.1	7.400	25.0	7.1				
	CLA D3	2.8	7.400	24.0	7.6				
	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: June 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

PLANT NAME: Navarro Mills
OR NUMBER: _____

PWS ID No.: 1750002

Month: May 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									
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	0.2	7.200	25.0	7.0				
	CLA D3	2.8	7.200	24.0	7.6				
	D4								
	D5								
18	NA D1								
	FCL D2	0.2	7.300	25.0	7.1				
	CLA D3	3.1	7.300	25.0	7.4				
	D4								
	D5								
19	NA D1								
	FCL D2	0.2	5.300	25.0	7.1				
	CLA D3	3.0	5.300	25.0	7.6				
	D4								
	D5								
20	NA D1								
	FCL D2	0.1	5.200	25.0	7.1				
	CLA D3	2.9	5.200	25.0	7.7				
	D4								
	D5								
21	NA D1								
	FCL D2	0.2	10.300	25.0	7.0				
	CLA D3	3.1	10.300	25.0	7.6				
	D4								
	D5								
22	NA D1								
	FCL D2	0.3	13.600	25.0	7.0				
	CLA D3	3.6	13.600	25.0	7.3				
	D4								
	D5								
23	NA D1								
	FCL D2	0.2	13.100	25.0	6.9				
	CLA D3	3.1	13.100	25.0	7.3				
	D4								
	D5								
24	NA D1								
	FCL D2	0.3	9.900	25.0	7.0				
	CLA D3	3.7	9.900	25.0	7.8				
	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	4.900	25.0	7.1				
	CLA D3	3.2	4.900	25.0	7.6				
	D4								
	D5								
26	NA D1								
	FCL D2	0.3	5.000	25.0	7.1				
	CLA D3	3.1	5.000	25.0	7.8				
	D4								
	D5								
27	NA D1								
	FCL D2	0.1	9.800	26.0	7.1				
	CLA D3	2.8	9.800	26.0	7.5				
	D4								
	D5								
28	NA D1								
	FCL D2	0.1	9.800	26.0	7.1				
	CLA D3	3.0	9.800	26.0	7.5				
	D4								
	D5								
29	NA D1								
	FCL D2	0.1	7.200	26.0	0.1				
	CLA D3	2.8	7.200	26.0	7.4				
	D4								
	D5								
30	NA D1								
	FCL D2	0.1	6.900	26.0	7.1				
	CLA D3	2.7	6.900	26.0	7.6				
	D4								
	D5								
31	NA D1								
	FCL D2	0.1	7.100	26.0	7.1				
	CLA D3	3.1	7.100	26.0	7.6				
	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: June 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: May 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	5/1	123	5.20	3.65	29.8	#NAME?	#NAME?	20.6	1.4	#NAME?
2										#NAME?
3										#NAME?
4										#NAME?
5										#NAME?
6										#NAME?
7										#NAME?
8										#NAME?
9										#NAME?
10										#NAME?
11										#NAME?
12										#NAME?
13										#NAME?
14										#NAME?
15										#NAME?
16										#NAME?
17										#NAME?
18										#NAME?
19										#NAME?
20										#NAME?
21										#NAME?
22										#NAME?
23										#NAME?
24										#NAME?
25										#NAME?
26										#NAME?
27										#NAME?
28										#NAME?
29										#NAME?
30										#NAME?
31										#NAME?
Avg		123.00	5.20	3.65	29.81		#NAME?		1.4	#NAME?
Max		123.00	5.20	3.65	29.81		#NAME?		1.4	#NAME?
Min		123.00	5.20	3.65	29.81		#NAME?		1.4	#NAME?

TOTAL ORGANIC CARBON (TOC) REMOVAL SUMMARY

#NAME?					Monthly Compliance Ratio
Raw Water Alkalinity	Raw Water TOC	Treated Water TOC	TOC % Removal	ACC # used	
123	5.20	3.65	29.8	#NAME? #NAME?	#NAME?

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: June 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: May 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	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	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	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												

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 quarter 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												
Monthly Raw Mg Hardness												
Treated												
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: June 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

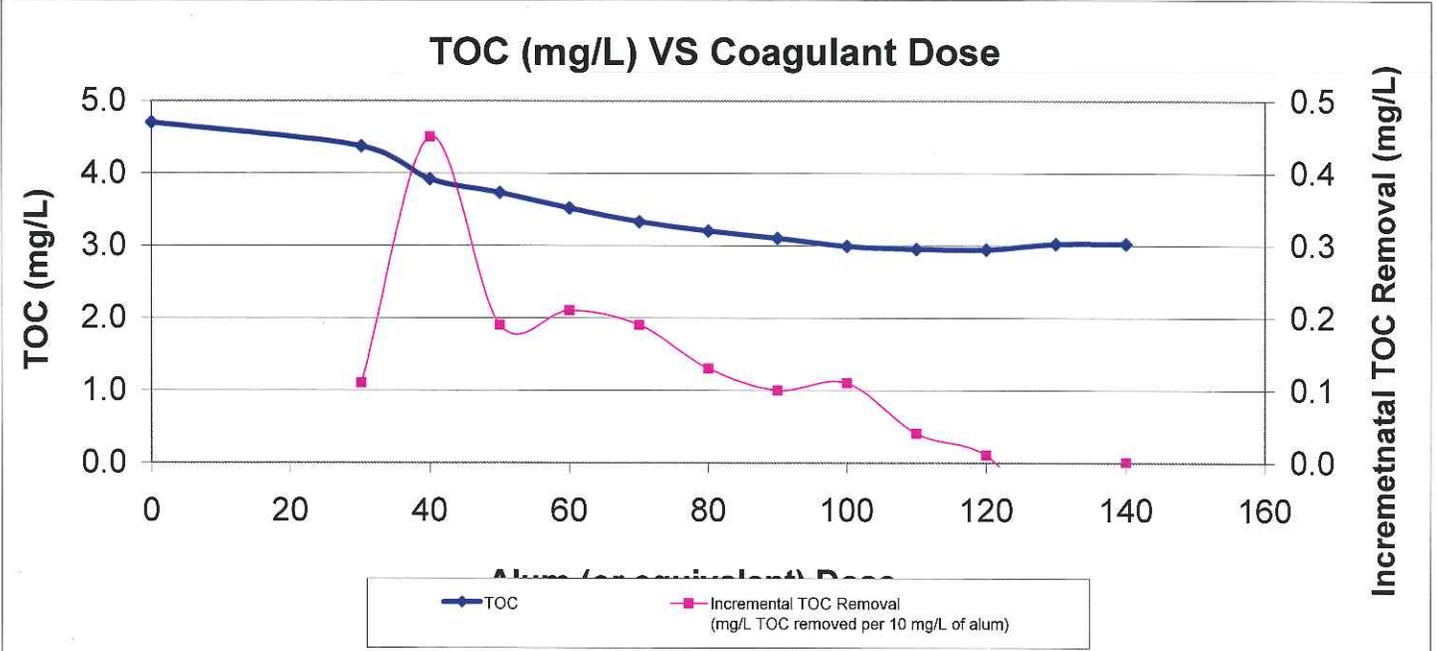
PLANT NAME OR NUMBER: Navarro Mills
 DATE OF JAR TEST: March 22, 2012

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		Target pH (based on raw water alkalinity) 6.3	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			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			6.6	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
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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