

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: <u>City of Corsicana</u>	PLANT NAME OR NUMBER: <u>Navarro Mills</u>
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.: <u>1750002</u> Report for the Month of: <u>November 2006</u>	Operator's Signature: _____ Certificate No. & Grade: <u>WO0004220 A</u> Date: <u>December 1, 2006</u>

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:	7	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 readings above 0.5 NTU:	0		
Number of readings above 1.0 NTU:	0		
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Statistical Summary	Maximum turbidity reading:	0.16 NTU	Average turbidity value:
	Minimum turbidity reading:	0.06 NTU	0.08 NTU
			Standard deviation:
			0.015 NTU
Additional report(s) for individual filter monitoring required:		<input 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 <input type="radio"/> Filter Assessment <input type="radio"/> CPE	
#NAME?		Number of days when plant was on-line but individual filter turbidity data was not collected:	0
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	<input type="radio"/> Free Chlorine <input checked="" type="radio"/> 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	<input type="radio"/> Free Chlorine <input checked="" type="radio"/> Total Chlorine	
Total number of readings this month:	55	Percentage of readings with a low residual this month:	0.0 % (6A)
Average disinfectant residual value:	2.32		
Number of readings with a low residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)
Number of readings with no detectable residual:	0		

PUBLIC NOTIFICATION			
TREATMENT TECHNIQUE VIOLATIONS	YES/NO	If YES, date when notice was given to:	
		COMMISSIONERS	CUSTOMERS*
Were more than 5.0% of the turbidity readings above the acceptable level? - see (1) above	No		
Were there any days with turbidity readings above 1.0 NTU? - see (2) above	No		
Were there any days with turbidity readings above 5.0 NTU? - see (3) above	No		
Were there any periods when the plant failed to meet the CT requirements for more than 4.0 consecutive hours? - see (4) above	No		
Were there any periods when the residuals leaving the plant fell below the acceptable level for more than 4.0 consecutive hours? - see (5) above	No		
Were more than 5.0% of the residuals in the distribution system below the acceptable level for two months in a row? - see (6A) and (6B) above	No		

Due by the end of the next business day.
 * Copies of each Public Notice must accompany this report.

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

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: 8,734

Month: November Year: 2006

Population: 24,485

PERFORMANCE DATA																		
Date	Raw Water Pumpage (MGD)	Treated Water Pumpage (MGD)	RAW WATER ANALYSES		SETTLED WATER TURBIDITY (Optional 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	5.370	3.708	47	100	1.1	X	1.6	1.0	1.0	0.9	0.11	0.10	0.13	0.16	0.14	0.13	2.9	
2	6.420	4.072	47	100	0.8	X	1.3	0.8	0.8	0.8	0.13	0.11	0.10	0.10	0.10	0.10	2.9	
3	4.440	4.135	52	100	1.0	1.6	1.6	0.9	1.0	0.9	0.10	0.09	0.09	0.09	0.09	0.09	2.8	
4	4.460	3.257	56	101	0.8	0.8	1.8	0.8	1.1	0.7	0.08	0.08	0.08	0.08	0.09	0.08	2.9	
5	4.480	2.848	55	100	0.8	0.8	1.3	1.0	1.0	0.8	0.09	0.08	0.07	0.08	0.08	0.08	2.9	
6	4.450	3.288	50	99	0.8	1.0	1.6	0.9	1.1	1.0	0.08	0.07	0.07	0.07	0.08	0.08	2.9	
7	8.480	5.796	50	101	0.8	0.8	X	1.3	1.0	0.9	0.07	0.09	0.07	0.08	0.09	0.08	3.0	
8	9.230	6.542	52	100	0.8	0.8	1.0	X	1.1	1.0	0.09	0.08	0.08	0.08	0.08	0.08	3.0	
9	4.390	3.260	47	100	0.7	0.7	0.7	0.8	0.8	0.8	0.09	0.09	0.08	0.07	0.06	0.07	3.0	
10	4.340	3.027	45	99	0.7	0.8	0.8	0.8	0.9	0.8	0.06	0.06	0.06	0.06	0.06	0.06	3.0	
11	4.350	4.065	43	100	0.8	0.8	0.9	0.8	0.8	0.8	0.06	0.07	0.07	0.07	0.08	0.07	3.0	
12	6.030	4.210	47	100	0.8	0.9	1.0	0.9	0.9	0.8	0.07	0.09	0.08	0.09	0.09	0.09	2.8	
13	4.450	2.904	49	101	0.8	0.8	1.0	0.8	0.9	0.9	0.09	0.09	0.08	0.07	0.07	0.08	2.8	
14	4.840	3.618	49	101	0.8	1.0	1.0	0.8	X	1.0	0.08	0.08	0.08	0.08	0.07	0.07	2.8	
15	6.290	3.579	73	103	0.9	0.9	1.1	0.8	1.1	X	0.08	0.07	0.08	0.07	0.07	0.08	2.9	
16	3.310	2.746	60	104	0.7	0.9	0.9	0.8	1.0	0.9	0.08	0.07	0.08	0.08	0.07	0.07	2.8	
17	4.550	3.112	59	102	0.9	0.9	0.9	1.0	0.9	0.8	0.07	0.06	0.07	0.07	0.07	0.07	2.8	
18	4.560	3.648	57	101	0.7	0.9	0.9	0.8	0.8	0.8	0.07	0.06	0.07	0.07	0.07	0.07	2.9	
19	4.570	3.392	56	102	0.8	0.9	0.9	0.9	0.8	0.8	0.07	0.07	0.07	0.07	0.07	0.07	2.9	
20	4.560	3.344	57	103	0.8	0.9	1.1	0.9	0.9	0.8	0.07	0.07	0.07	0.08	0.08	0.07	2.9	
21	4.530	3.238	61	101	0.8	1.0	1.0	0.8	0.9	0.8	0.07	0.07	0.07	0.07	0.07	0.08	2.9	
22	4.440	3.152	62	106	0.8	0.9	1.3	0.9	0.9	0.8	0.08	0.07	0.07	0.08	0.08	0.08	2.9	
23	3.550	2.624	58	103	0.8	1.0	1.1	0.9	0.8	0.9	0.08	0.08	0.07	0.08	0.07	0.09	3.0	
24	4.510	3.838	54	103	0.8	0.9	1.3	0.7	0.9	1.0	0.08	0.08	0.08	0.07	0.07	0.07	2.8	
25	6.920	4.887	52	102	0.8	1.0	1.2	0.9	0.9	1.0	0.08	0.07	0.07	0.07	0.09	0.07	2.9	
26	6.050	5.026	53	104	0.8	1.0	1.1	0.9	0.9	0.9	0.07	0.07	0.06	0.06	0.06	0.06	2.9	
27	4.420	2.984	52	106	0.8	0.8	0.9	0.7	0.8	0.8	0.07	0.07	0.06	0.06	0.06	0.07	3.0	
28	4.360	3.168	52	106	0.7	0.8	0.8	0.8	0.7	0.8	0.06	0.06	0.07	0.07	0.07	0.07	3.0	
29	4.260	3.334	51	106	0.7	0.9	0.9	0.7	0.8	0.8	0.07	0.07	0.06	0.06	0.06	0.06	3.0	
30	4.350	3.225	59	106	0.8	0.8	0.9	0.9	0.8	0.8	0.07	0.06	0.06	0.07	0.07	0.07	2.9	
31																		
Total	150.960	110.027																
Avg	5.032	3.668																
Max	9.230	6.542																
Min	3.310	2.624																

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: December 1, 2006

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: November Year: 2006

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	0.15	X	0.15	X	0.69	X	0.22	0.19	0.13	X	0.15	X									
2	0.14	X	0.13	X	0.24	X	X	X	0.13	X	0.13	X									
3	0.11	X	0.10	X	0.11	X	0.15	0.13	0.18	X	0.10	X									
4	0.21	0.12	0.12	X	0.14	X	0.13	X	0.18	0.13	0.12	X									
5	0.11	X	0.13	0.11	0.08	X	0.10	X	0.11	X	0.16	0.10									
6	0.10	X	0.11	X	X	X	0.09	X	0.10	X	0.10	X									
7	0.13	X	0.11	X	0.15	0.13	0.32	0.13	0.11	X	0.13	X									
8	0.10	X	0.10	X	0.10	X	0.12	X	0.08	X	0.09	X									
9	0.12	0.11	0.08	X	0.09	X	0.09	X	0.12	0.11	0.07	X									
10	0.11	X	0.07	X	0.08	X	0.09	X	0.10	X	0.12	0.12									
11	0.11	X	0.15	0.15	0.09	X	0.10	X	0.11	X	0.12	X									
12	0.17	X	0.15	X	0.17	0.16	0.22	0.14	0.17	X	0.16	X									
13	0.11	X	0.12	X	0.11	X	0.16	0.10	0.12	X	0.11	X									
14	0.09	X	0.14	X	0.13	X	0.13	X	0.15	0.15	0.11	X									
15	0.15	0.12	0.10	X	0.11	X	0.11	X	0.11	X	0.08	X									
16	0.12	X	0.11	X	0.10	X	0.09	X	0.10	X	0.12	0.11									
17	0.10	X	0.12	0.11	0.07	X	0.09	X	0.09	X	0.11	X									
18	0.08	X	0.11	X	0.12	0.11	0.07	X	0.07	X	0.08	X									
19	0.08	X	0.09	X	0.11	X	0.11	0.10	0.07	X	0.08	X									
20	0.07	X	0.08	X	0.08	X	0.10	X	0.16	0.10	0.08	X									
21	0.12	0.10	0.08	X	0.10	X	0.14	X	0.10	X	0.07	X									
22	0.11	X	0.07	X	0.08	X	0.09	X	0.10	X	0.13	0.10									
23	0.09	X	0.13	0.10	0.14	0.10	0.08	X	0.09	X	0.08	X									
24	0.09	X	0.08	X	0.10	X	0.12	X	0.09	X	0.07	X									
25	0.37	X	0.08	X	0.08	X	0.09	X	0.12	0.08	0.16	X									
26	0.12	0.08	0.21	X	0.14	X	0.11	X	0.13	X	0.08	X									
27	0.11	X	0.09	X	0.11	X	0.06	X	0.08	X	0.12	0.10									
28	0.10	X	X	X	0.32	X	0.44	X	0.16	X	0.33	X									
29	0.08	X	0.19	0.11	0.12	0.08	0.39	X	0.07	X	0.08	X									
30	0.09	X	0.10	X	0.08	X	0.11	0.11	0.14	X	0.09	X									
31																					

SUMMARY & COMPLIANCE ACTIONS	Criteria											Filter No.										Plant	
	1	2	3	4	5	6	7	8	9	10	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	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####
	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 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?																					N		

SUBMITTED BY: _____ Certificate No. and Grade: WO0004220 A Date: December 1, 2006

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: November Year: 2006

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									
Date	DISINFECTION PROCESS DATA								
	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
1	NA D1								
	FCL D2	2.8	10.000	20.0	7.4				
	CLA D3	3.1	10.000	20.0	7.6				
	D4								
	D5								
2	NA D1								
	FCL D2	2.6	10.000	18.0	7.5				
	CLA D3	2.9	10.000	19.0	7.6				
	D4								
	D5								
3	NA D1								
	FCL D2	2.3	4.600	17.0	7.5				
	CLA D3	3.2	4.600	18.0	7.6				
	D4								
	D5								
4	NA D1								
	FCL D2	2.5	4.500	18.0	7.4				
	CLA D3	3.5	4.500	18.0	7.5				
	D4								
	D5								
5	NA D1								
	FCL D2	2.4	4.500	17.0	7.5				
	CLA D3	3.0	4.500	18.0	7.7				
	D4								
	D5								
6	NA D1								
	FCL D2	2.7	4.500	16.0	7.5				
	CLA D3	3.0	4.500	17.0	7.6				
	D4								
	D5								
7	NA D1								
	FCL D2	2.5	10.000	16.0	7.4				
	CLA D3	3.2	10.000	17.0	7.6				
	D4								
	D5								
8	NA D1								
	FCL D2	2.5	10.000	18.0	7.3				
	CLA D3	3.1	10.000	17.0	7.4				
	D4								
	D5								

PERFORMANCE DATA									
Date	DISINFECTION PROCESS DATA								
	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
9	NA D1								
	FCL D2	2.8	4.500	17.0	7.4				
	CLA D3	3.2	4.500	17.0	7.4				
	D4								
	D5								
10	NA D1								
	FCL D2	2.5	4.400	20.0	7.5				
	CLA D3	3.2	4.400	19.0	7.5				
	D4								
	D5								
11	NA D1								
	FCL D2	2.6	4.400	19.0	7.5				
	CLA D3	3.6	4.400	19.0	7.7				
	D4								
	D5								
12	NA D1								
	FCL D2	2.5	10.000	18.0	7.6				
	CLA D3	3.2	10.000	19.0	7.8				
	D4								
	D5								
13	NA D1								
	FCL D2	2.4	4.400	18.0	7.4				
	CLA D3	3.1	4.400	18.0	7.6				
	D4								
	D5								
14	NA D1								
	FCL D2	2.4	9.800	18.0	7.4				
	CLA D3	2.9	9.800	18.0	7.6				
	D4								
	D5								
15	NA D1								
	FCL D2	2.6	9.800	17.0	7.4				
	CLA D3	3.2	9.800	18.0	7.6				
	D4								
	D5								
16	NA D1								
	FCL D2	2.5	4.500	17.0	7.4				
	CLA D3	2.9	4.500	18.0	7.7				
	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: December 1, 2006

