

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>February 2009</u>	Operator's Signature: _____ Certificate No. & Grade: <u>WO0004220 A</u> Date: <u>March 2, 2009</u>

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	134	Number of 4-hour periods when plant was off-line:	34
Number of readings above 0.10 NTU:	33	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:	0.18 NTU	Average turbidity value:
	Minimum turbidity reading:	0.06 NTU	Standard deviation:
		0.10 NTU	0.020 NTU
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 <input type="radio"/> Filter Assessment <input type="radio"/> CPE	
		Number of days when plant was on-line but individual filter turbidity data was not collected: <u>0</u>	
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:	28
		Number of days when CT data was not collected:	28
Minimum disinfectant residual required leaving the plant:	0.5 mg/L	<input checked="" type="radio"/> Free Chlorine <input 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 checked="" type="radio"/> Free Chlorine <input type="radio"/> Total Chlorine	
Total number of readings this month:	58	Percentage of readings with a low residual this month:	0.0 % (6A)
Average disinfectant residual value:	2.63	Percentage of readings with a low residual last month:	0.0 % (6B)
Number of readings with a low residual:	0		
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: 11,050

Month: February Year: 2009

Population: 28,500

PERFORMANCE DATA																		
Date	Raw Water Pumpage (MGD)	Treated Water Pumpage (MGD)	RAW WATER ANALYSES		SETTLED WATER TURBIDITY (Optional Data)						FINISHED WATER QUALITY							
			NTU	Aik.	Basin No.						Turbidity						Lowest Residual	Time
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6		
1	4.220	3.763	14	120	0.3	0.4	0.4	0.4	0.3	0.3	X	X	X	0.06	0.07	0.06	2.8	
2	6.760	5.467	15	120	0.4	0.4	0.4	0.4	0.4	0.3	0.07	0.07	0.06	0.07	0.08	0.07	2.9	
3	5.310	4.410	16	120	0.4	0.5	0.4	0.4	0.5	0.4	0.08	X	0.08	0.07	0.08	0.09	3.0	
4	4.530	4.651	20	120	0.4	0.5	0.5	0.4	0.5	0.4	X	X	0.08	0.08	0.08	0.08	3.0	
5	6.790	4.733	20	121	0.5	0.5	0.4	0.5	0.5	0.6	0.08	0.07	0.08	0.08	0.08	0.08	3.0	
6	4.180	3.952	21	121	0.9	0.8	0.8	0.9	0.8	X	X	X	0.08	0.08	0.08	0.07	2.8	
7	6.680	4.822	22	122	0.5	0.4	0.6	0.5	0.6	0.5	0.08	0.09	0.09	0.08	0.09	0.09	3.2	
8	5.580	4.588	22	122	0.4	0.4	0.6	0.4	0.4	0.4	0.09	0.10	X	0.08	0.10	0.10	2.8	
9	6.350	5.344	29	123	0.6	0.5	0.7	0.5	0.6	0.6	0.10	0.10	0.09	0.10	0.12	0.10	2.8	
10	3.550	3.691	22	120	0.5	0.5	0.6	0.6	0.7	0.4	X	X	0.10	0.10	0.09	0.09	2.9	
11	6.540	4.660	29	122	0.7	0.5	0.6	0.5	0.5	0.5	0.13	0.14	0.11	0.14	0.13	0.12	2.9	
12	3.960	3.630	31	121	0.7	0.5	0.9	0.7	0.8	0.6	X	X	X	0.13	0.12	0.13	3.1	
13	3.830	3.526	38	120	0.8	0.6	0.8	0.7	0.6	0.6	X	X	0.14	0.18	0.14	0.12	2.9	
14	6.580	4.896	36	119	0.5	0.5	0.5	0.4	0.5	0.5	0.14	0.12	0.12	0.11	0.12	0.12	2.9	
15	3.820	3.772	43	123	0.4	0.4	0.6	0.4	0.5	0.4	X	X	X	0.10	0.11	0.13	2.5	
16	6.510	4.800	52	128	0.5	0.4	0.6	0.5	0.4	0.4	0.13	0.12	0.12	0.13	0.13	0.13	2.2	
17	4.090	3.781	50	124	0.5	0.5	0.6	0.5	0.5	0.5	X	X	0.11	0.11	0.10	0.10	3.0	
18	5.410	4.487	46	124	0.4	0.5	0.6	0.5	0.5	0.5	0.11	0.12	0.10	0.10	0.10	0.09	2.8	
19	4.080	3.802	47	123	0.5	0.5	0.6	0.5	0.5	0.5	X	X	X	0.09	0.08	0.09	2.8	
20	6.400	4.921	45	124	0.4	0.5	0.5	0.5	0.4	0.5	0.09	0.10	0.09	0.09	0.09	0.09	2.6	
21	4.840	4.381	43	121	0.6	0.6	0.7	0.6	0.5	0.6	X	X	0.09	0.09	0.09	0.10	3.0	
22	6.370	4.925	41	123	0.5	0.5	0.5	0.5	0.5	0.4	0.10	0.10	0.08	0.09	0.09	0.09	3.1	
23	4.040	3.851	40	122	0.4	0.4	0.5	0.4	0.5	0.4	X	X	0.08	0.08	0.08	0.10	3.0	
24	6.470	5.083	38	123	0.3	0.4	0.5	0.4	0.4	0.4	0.09	0.08	0.08	0.08	0.08	0.08	3.0	
25	4.230	3.886	37	125	0.4	0.5	0.6	0.5	0.5	0.4	X	X	0.07	0.08	0.08	0.08	3.0	
26	3.540	2.916	36	118	0.6	0.6	0.7	0.5	0.5	0.4	X	X	X	0.11	0.09	0.09	2.9	
27	6.530	5.662	39	121	0.5	0.5	0.6	0.6	0.6	0.5	0.09	0.08	0.09	0.09	0.09	0.09	3.0	
28	4.610	3.643	46	127	0.4	0.4	0.5	0.4	0.5	0.5	0.09	0.09	0.09	0.09	0.10	X	2.9	
29																		
30																		
31																		
Total	145.800	122.043																
Avg	5.207	4.359																
Max	6.790	5.662																
Min	3.540	2.916																

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: March 2, 2009

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: February Year: 2009

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	0.11	X	0.16	0.11	0.07	X	0.07	X	0.10	X	0.10	X								
2	0.33	0.15	0.10	X	0.29	0.10	0.07	X	0.10	X	0.10	X								
3	0.14	X	0.10	X	0.09	X	0.21	0.10	0.10	X	X	X								
4	0.15	X	0.10	X	0.09	X	0.10	X	0.09	X	X	X								
5	0.13	X	0.09	X	0.09	X	0.09	X	0.09	X	0.24	0.12								
6	0.15	X	0.13	X	0.11	X	0.09	X	0.33	0.13	0.13	X								
7	0.13	X	0.28	0.14	0.31	0.13	0.09	X	0.12	X	0.12	X								
8	0.44	0.19	0.13	X	0.12	X	0.09	X	0.13	X	0.15	X								
9	0.19	X	0.12	X	0.12	X	X	X	0.12	X	0.12	X								
10	0.18	X	0.22	X	0.16	X	0.21	0.21	0.17	X	0.19	X								
11	0.19	0.19	0.30	0.15	0.35	0.16	0.15	X	0.32	0.15	0.31	0.16								
12	0.21	X	0.15	X	0.15	X	X	X	0.17	X	0.16	X								
13	0.20	X	0.15	X	0.15	X	X	X	0.15	X	0.16	X								
14	0.18	X	0.13	X	0.13	X	X	X	0.13	X	0.14	X								
15	0.42	0.21	0.14	X	0.13	X	0.15	0.15	0.14	X	0.15	X								
16	0.20	X	0.29	0.15	0.32	0.13	0.13	X	0.49	0.15	0.45	0.16								
17	X	X	0.12	X	0.13	X	0.11	X	0.11	X	0.13	X								
18	0.19	0.19	0.11	X	0.11	X	0.09	X	0.11	X	X	X								
19	0.17	X	0.11	X	0.11	X	0.10	X	0.10	X	0.21	0.15								
20	0.16	X	0.10	X	0.11	X	0.09	X	0.33	0.12	0.14	X								
21	0.17	X	0.09	X	0.10	X	0.18	0.12	0.14	X	0.12	X								
22	0.14	X	0.16	0.12	0.09	X	0.11	X	0.12	X	0.12	X								
23	0.16	X	0.10	X	0.19	0.12	0.09	X	0.10	X	0.13	X								
24	0.29	0.17	0.10	X	0.11	X	0.09	X	0.09	X	0.10	X								
25	0.17	X	0.10	X	0.10	X	0.09	X	0.10	X	0.25	0.13								
26	0.18	X	0.12	X	0.11	X	0.10	X	0.27	0.14	0.14	X								
27	0.15	X	0.10	X	0.10	X	0.16	0.11	0.13	X	0.13	X								
28	0.14	X	0.17	0.13	0.09	X	0.11	X	0.11	X	0.12	X								
29																				
30																				
31																				

SUMMARY & COMPLIANCE ACTIONS	Criteria										Plant	
	Filter No.											
	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
	Number of days with event(s) above 1.0 NTU this month											0
	Number of days with event(s) above 1.0 NTU last month											0
	Number of days with event(s) above 1.0 NTU two months ago											0
	Total number of days with event(s) above 1.0 NTU in three months											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 plant have an approved Corrective Action Plan?											N	
Is the plant required to submit a Filter Profile Report?											N	
Is the plant required to submit a Filter Assessment Report?											N	
Is the plant required to submit a Request for Compliance CPE?											N	

SUBMITTED BY: _____ Certificate No. WO0004220 A and Grade: _____ Date: March 2, 2009

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: February Year: 2009 PWS IC

DISINFECTION PROCESS PARAMETERS										
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS					
Parameters	Disinfection Zones					Log Inactivations				Paran
	D1	D2	D3	D4	D5	Giardia lamblia Cysts		Viruses		
Flow Rate (MGD)	20.250	20.250	20.250			0.5		2.0		Flow
T ₁₀ (minutes)	109.1	13.0	100.0							T ₁₀ (n

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	2.7	6.900	10.0	7.6				
	CLA D3	2.9	7.600	10.0	7.6				
	D4								
	D5								
2	NA D1								
	FCL D2	2.8	6.900	10.0	7.6				
	CLA D3	3.1	6.900	10.0	7.6				
	D4								
	D5								
3	NA D1								
	FCL D2	2.9	6.900	10.0	7.6				
	CLA D3	3.1	6.900	10.0	7.7				
	D4								
	D5								
4	NA D1								
	FCL D2	2.9	6.900	10.0	7.6				
	CLA D3	3.0	6.900	10.0	7.6				
	D4								
	D5								
5	NA D1								
	FCL D2	3.1	7.000	10.0	7.5				
	CLA D3	3.2	7.000	11.0	7.5				
	D4								
	D5								
6	NA D1								
	FCL D2	2.3	6.800	12.0	7.5				
	CLA D3	2.9	6.800	11.0	7.6				
	D4								
	D5								
7	NA D1								
	FCL D2	2.9	6.900	11.0	7.6				
	CLA D3	3.2	6.900	12.0	7.6				
	D4								
	D5								
8	NA D1								
	FCL D2	2.8	6.800	12.0	7.5				
	CLA D3	3.0	6.800	12.0	7.6				
	D4								
	D5								

PERFORMANCE DATA										
DISINFECTION PROCESS DATA										
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time	Date
9	NA D1									
	FCL D2	2.7	6.700	12.0	7.5					17
	CLA D3	2.9	6.700	12.0	7.6					
	D4									
	D5									
D5										
10	NA D1									18
	FCL D2	2.9	6.600	12.0	7.6					
	CLA D3	2.9	6.600	13.0	7.6					
	D4									
	D5									
11	NA D1									19
	FCL D2	3.0	6.600	13.0	7.6					
	CLA D3	2.9	6.600	13.0	7.6					
	D4									
	D5									
12	NA D1									20
	FCL D2	2.9	6.600	14.0	7.5					
	CLA D3	3.1	6.600	14.0	7.6					
	D4									
	D5									
13	NA D1									21
	FCL D2	2.8	6.600	13.0	7.5					
	CLA D3	3.0	6.600	14.0	7.5					
	D4									
	D5									
14	NA D1									22
	FCL D2	2.8	6.700	14.0	7.5					
	CLA D3	3.1	6.700	15.0	7.6					
	D4									
	D5									
15	NA D1									23
	FCL D2	2.0	6.500	14.0	7.5					
	CLA D3	2.6	6.500	14.0	7.5					
	D4									
	D5									
16	NA D1									24
	FCL D2	3.3	6.600	14.0	7.4					
	CLA D3	2.2	6.600	14.0	7.5					
	D4									
	D5									

NOTE: = ONLY use the "Time=" column to show the length of time that the total inactivation ratio was less than 1.00.

NOTE:

SUBMITTED BY: _____ Certificate No. _____ and Grade: WO0004220 A Date: March 2, 2009 SUBMI

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.)

C WATER
PLANT NAME: City of Corsicana
D No.: 1750002

PLANT NAME
OR NUMBER: Navarro Mills
Month: February Year: 2009

DISINFECTION PROCESS PARAMETERS							
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS		
meters	Disinfection Zones					Log Inactivations	
	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Virus
Rate (MGD)	20.250	20.250	20.250			0.5	2.0
minutes)	109.1	13.0	100.0				

PERFORMANCE DATA								
DISINFECTION PROCESS DATA								
Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time=
NA D1								
FCL D2	3.2	6.600	14.0	7.5				
CLA D3	2.9	6.600	14.0	7.5				
D4								
D5								
NA D1								
FCL D2	2.9	6.600	15.0	7.5				
CLA D3	2.8	6.600	14.0	7.5				
D4								
D5								
NA D1								
FCL D2	3.0	6.700	14.0	7.5				
CLA D3	2.8	6.700	15.0	7.5				
D4								
D5								
NA D1								
FCL D2	2.8	6.400	14.0	7.6				
CLA D3	3.2	6.400	14.0	7.6				
D4								
D5								
NA D1								
FCL D2	2.9	6.600	14.0	7.7				
CLA D3	3.2	6.600	14.0	7.7				
D4								
D5								
NA D1								
FCL D2	2.9	6.300	13.0	7.7				
CLA D3	3.5	6.300	14.0	7.8				
D4								
D5								
NA D1								
FCL D2	3.0	6.500	13.0	7.6				
CLA D3	3.1	6.500	14.0	7.7				
D4								
D5								
NA D1								
FCL D2	2.9	6.500	13.0	7.6				
CLA D3	3.3	6.500	14.0	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=
25	NA D1								
	FCL D2	2.9	6.400	14.0	7.6				
	CLA D3	3.0	6.400	14.0	7.6				
	D4								
	D5								
26	NA D1								
	FCL D2	2.9	6.700	16.0	7.5				
	CLA D3	3.0	6.700	15.0	7.6				
	D4								
	D5								
27	NA D1								
	FCL D2	2.9	6.700	16.0	7.5				
	CLA D3	3.0	6.700	15.0	7.6				
	D4								
	D5								
28	NA D1								
	FCL D2	3.0	6.600	15.0	7.6				
	CLA D3	3.3	6.600	17.0	7.7				
	D4								
	D5								
29	D1								
	D2								
	D3								
	D4								
	D5								
30	D1								
	D2								
	D3								
	D4								
	D5								
31	D1								
	D2								
	D3								
	D4								
	D5								

Max	NA	NA
Min	NA	NA
Avg	NA	NA
SD	NA	NA

= ONLY use the "Time=" column to show the length of time that the total inactivation ratio was less than 1.00.

ISSUED BY: _____ Certificate No. _____ and Grade: WO0004220 A Date: March 2, 2009