

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>May 2007</u>	Operator's Signature: _____ Certificate No. & Grade: <u>WO0004220 A</u> Date: <u>June 4, 2007</u>

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	177	Number of 4-hour periods when plant was off-line:	9
Number of readings above 0.10 NTU:	113	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:	0.21 NTU	Average turbidity value:
	Minimum turbidity reading:	0.08 NTU	0.12 NTU
			Standard deviation:
			0.028 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:	31
		Number of days when CT data was not collected:	31
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:	61	Percentage of readings with a low residual this month:	0.0 % (6A)
Average disinfectant residual value:	2.07	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: May Year: 2007

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	5.360	3.956	100	41	1.1	1.1	1.3	1.1	1.0	1.1	0.11	0.10	0.12	0.12	0.11	0.11	2.9	
2	5.690	4.890	100	40	0.9	0.9	1.2	1.1	0.9	1.0	0.13	0.12	0.11	0.11	0.11	0.13	2.9	
3	5.810	4.757	98	38	0.9	1.0	1.4	1.1	1.0	1.0	0.13	0.17	0.15	0.16	0.16	0.15	2.9	
4	5.110	4.706	94	37	1.0	1.1	1.2	1.1	1.0	1.1	0.17	0.16	0.21	0.19	0.15	0.13	2.8	
5	5.080	4.077	97	35	0.9	0.9	1.0	0.9	0.9	0.8	0.13	0.12	0.10	0.10	0.11	0.10	2.9	
6	5.090	4.751	99	32	0.9	1.0	1.1	1.0	1.1	0.9	0.12	0.11	0.10	0.11	0.13	0.12	3.1	
7	5.100	4.330	100	29	0.8	0.9	0.9	1.0	0.9	0.9	0.11	0.10	0.09	0.09	0.10	0.11	3.0	
8	6.320	4.752	104	26	1.0	1.0	1.2	1.1	1.0	0.9	0.11	0.11	0.10	0.11	0.10	0.10	2.6	
9	6.490	5.147	101	24	0.8	0.8	1.1	1.0	0.9	0.9	0.11	0.10	0.10	0.10	0.10	0.10	2.6	
10	4.620	3.814	101	25	0.7	0.7	0.9	0.9	0.8	0.8	0.10	0.10	0.10	0.10	X	X	2.8	
11	5.290	4.583	99	24	0.9	0.8	1.2	0.8	0.7	0.8	0.10	0.10	0.11	0.11	0.10	0.08	2.7	
12	5.390	4.371	100	23	0.7	0.7	0.8	0.8	0.7	0.7	0.10	0.10	0.08	0.08	0.08	0.08	2.7	
13	5.420	4.666	100	28	0.8	0.8	1.0	0.9	0.8	0.8	0.09	0.09	0.10	0.09	0.10	0.10	2.7	
14	6.680	5.161	98	28	0.8	0.8	1.0	1.0	0.9	0.8	0.11	0.11	0.10	0.10	0.11	0.14	2.8	
15	5.940	5.456	101	25	1.6	1.7	1.7	1.7	1.6	1.7	0.12	0.12	0.18	0.17	0.16	0.14	2.6	
16	5.870	4.720	103	30	0.9	0.8	1.1	0.9	0.8	0.9	0.15	0.14	0.14	0.16	0.16	0.16	2.6	
17	7.960	5.988	105	27	1.1	1.3	1.5	1.5	1.3	1.3	0.17	0.16	0.15	0.16	0.18	0.16	2.8	
18	5.820	5.229	104	28	1.2	1.1	1.3	1.3	1.2	1.1	0.18	0.18	0.18	0.18	0.15	0.14	2.8	
19	7.680	6.626	104	29	1.0	1.3	1.3	1.3	1.5	1.1	0.15	0.14	0.12	0.12	0.13	0.14	2.8	
20	7.740	6.324	107	35	1.8	1.6	2.1	2.1	1.9	1.9	0.14	0.17	0.17	0.14	0.18	0.14	2.7	
21	5.820	4.602	108	33	1.8	1.6	2.1	1.7	1.6	1.7	0.16	0.17	0.17	0.15	0.15	0.17	2.8	
22	5.310	5.059	109	32	1.3	1.1	1.3	1.3	1.0	1.2	0.15	0.14	0.14	0.14	0.11	0.12	2.9	
23	5.960	4.839	108	31	1.0	0.9	1.2	0.9	1.0	1.0	0.11	0.11	0.12	0.12	0.13	0.12	2.8	
24	6.480	5.217	109	35	0.8	0.8	1.0	1.1	0.9	0.9	0.10	0.10	0.12	0.11	0.13	0.12	2.8	
25	5.350	4.161	108	36	0.9	0.8	0.8	0.9	0.8	0.9	0.11	0.10	0.10	0.11	0.09	0.10	2.8	
26	5.620	4.575	110	42	0.8	1.0	1.2	1.2	1.0	1.1	0.13	0.11	0.09	0.11	0.12	0.12	2.9	
27	4.620	4.059	109	36	0.8	0.9	1.1	1.0	0.9	0.9	X	X	0.11	0.20	0.13	0.12	2.6	
28	4.920	4.834	109	41	0.8	0.9	1.1	0.9	0.9	0.8	X	X	0.09	0.09	0.09	0.09	2.7	
29	6.370	4.562	108	34	0.8	1.0	1.1	1.0	1.0	1.1	0.09	0.09	0.09	0.10	0.10	0.09	2.8	
30	4.160	4.004	111	59	0.7	0.7	1.1	0.8	0.7	0.7	X	X	X	0.10	0.09	0.09	2.9	
31	6.150	4.604	107	58	0.8	0.9	1.1	1.0	0.9	0.9	0.10	0.10	0.10	0.11	0.10	0.10	2.8	
Total	179.220	148.820	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.															
Avg	5.781	4.801																
Max	7.960	6.626																
Min	4.160	3.814																

SUBMITTED BY: _____ Certificate No. and Grade: WO0004220 A Date: June 4, 2007

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: 2007

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	0.23	X	0.17	X	0.19	X	X	X	X	X	0.23	X								
2	0.23	X	0.50	X	0.15	X	X	X	X	X	0.18	X								
3	0.25	X	0.36	X	0.87	X	X	X	0.20	0.19	0.15	X								
4	X	X	0.89	X	X	X	0.16	0.14	0.18	X	0.19	X								
5	0.18	0.16	0.98	X	0.16	0.15	0.13	X	0.24	X	0.31	X								
6	0.20	X	X	X	0.15	X	0.11	X	0.14	X	X	X								
7	0.16	X	X	X	0.16	X	0.15	X	0.13	X	0.19	0.15								
8	0.13	X	0.18	0.17	0.11	X	0.13	X	X	X	0.17	X								
9	0.14	X	0.17	X	0.11	X	X	X	0.21	0.19	0.14	X								
10	X	X	0.14	X	0.09	X	0.15	0.15	0.22	X	0.12	X								
11	X	X	0.12	X	X	X	0.15	X	0.18	X	0.12	X								
12	0.25	0.17	0.27	X	X	X	0.12	X	0.44	X	0.40	X								
13	0.20	X	0.13	X	0.19	0.19	0.14	X	0.48	X	X	X								
14	0.44	X	0.27	0.27	0.18	X	0.44	X	0.22	X	0.25	0.25								
15	0.68	X	0.27	X	0.20	X	X	X	0.32	0.32	0.25	X								
16	0.34	0.33	0.27	X	0.32	X	0.31	0.30	0.57	0.35	0.22	X								
17	0.27	X	0.35	0.27	0.26	0.20	0.23	X	0.35	0.32	0.70	X								
18	0.19	X	0.25	X	0.19	X	0.16	X	0.30	X	X	X								
19	0.81	X	0.17	X	0.16	X	0.41	X	0.25	X	0.25	0.24								
20	0.29	0.19	0.29	0.23	0.42	0.17	0.43	0.19	0.30	0.30	0.22	X								
21	0.72	X	0.64	X	0.90	X	0.60	X	0.30	X	0.65	X								
22	0.16	X	X	X	0.15	X	0.17	X	0.17	X	0.14	X								
23	0.21	X	0.16	0.13	0.26	X	0.14	X	0.16	X	0.33	0.20								
24	0.21	X	0.14	X	0.15	0.15	0.69	X	0.14	X	0.19	X								
25	0.12	X	0.11	X	0.14	X	0.18	0.15	0.10	X	0.11	X								
26	0.13	X	0.18	0.16	0.13	X	0.14	X	0.10	X	0.11	X								
27	0.29	X	0.15	X	0.11	X	0.11	X	X	X	0.12	X								
28	0.11	X	0.14	X	0.11	X	0.12	X	0.17	0.17	0.08	X								
29	0.20	0.13	0.14	X	0.14	X	0.10	X	0.17	X	0.20	0.16								
30	0.14	X	0.12	X	0.15	0.14	0.07	X	0.13	X	0.13	X								
31	0.14	X	0.11	X	0.17	X	0.15	0.14	0.12	X	0.12	X								

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										
	Number of days with event(s) above 1.0 NTU this month										
	Number of days with event(s) above 1.0 NTU last month										
	Number of days with event(s) above 1.0 NTU two months ago										
	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	
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: June 4, 2007

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: 2007

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	2.8	6.000	21.0	7.6				
	CLA D3	3.2	6.000	22.0	7.7				
	D4								
	D5								
2	NA D1								
	FCL D2	2.7	5.900	21.0	7.5				
	CLA D3	3.0	5.900	21.0	7.6				
	D4								
	D5								
3	NA D1								
	FCL D2	2.4	6.200	21.0	7.6				
	CLA D3	3.2	6.200	21.0	7.6				
	D4								
	D5								
4	NA D1								
	FCL D2	3.0	5.800	21.0	7.5				
	CLA D3	2.8	5.800	21.0	7.6				
	D4								
	D5								
5	NA D1								
	FCL D2	3.0	5.000	22.0	7.4				
	CLA D3	3.0	5.000	22.0	7.6				
	D4								
	D5								
6	NA D1								
	FCL D2	2.7	5.000	22.0	7.4				
	CLA D3	3.4	5.000	22.0	7.6				
	D4								
	D5								
7	NA D1								
	FCL D2	2.9	5.200	22.0	7.4				
	CLA D3	3.3	5.200	22.0	7.4				
	D4								
	D5								
8	NA D1								
	FCL D2	2.2	6.600	23.0	7.4				
	CLA D3	3.1	6.600	23.0	7.5				
	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	2.6	6.500	24.0	7.4				
	CLA D3	3.1	6.500	23.0	7.5				
	D4								
	D5								
10	NA D1								
	FCL D2	2.7	6.300	22.0	7.4				
	CLA D3	3.2	6.300	23.0	7.5				
	D4								
	D5								
11	NA D1								
	FCL D2	2.2	5.300	24.0	7.4				
	CLA D3	3.1	5.300	24.0	7.5				
	D4								
	D5								
12	NA D1								
	FCL D2	2.4	5.400	24.0	7.4				
	CLA D3	3.1	5.400	23.0	7.5				
	D4								
	D5								
13	NA D1								
	FCL D2	2.6	5.400	24.0	7.4				
	CLA D3	3.0	5.400	24.0	7.6				
	D4								
	D5								
14	NA D1								
	FCL D2	2.4	10.300	24.0	7.4				
	CLA D3	2.9	10.300	25.0	7.5				
	D4								
	D5								
15	NA D1								
	FCL D2	2.5	10.300	23.0	7.4				
	CLA D3	2.9	10.300	23.0	7.5				
	D4								
	D5								
16	NA D1								
	FCL D2	2.4	5.900	25.0	7.4				
	CLA D3	3.0	5.900	25.0	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: _____ Certificate No. and Grade: WO0004220 A Date: June 4, 2007

