

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>July 2008</u>	Operator's Signature: _____ Certificate No. & Grade: <u>WO0004220 A</u> Date: <u>August 4, 2008</u>

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	168	Number of 4-hour periods when plant was off-line:	18
Number of readings above 0.10 NTU:	96	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	2		
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:	1.2 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Statistical Summary	Maximum turbidity reading:	0.39 NTU	Average turbidity value:
	Minimum turbidity reading:	0.06 NTU	0.14 NTU
			Standard deviation:
			0.071 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 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:	63	Percentage of readings with a low residual this month:	0.0 % (6A)
Average disinfectant residual value:	1.10		
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: 11,050

Month: July Year: 2008

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	9.270	7.467	37	117	1.2	1.2	1.6	1.4	1.4	1.4	0.16	0.18	0.15	0.15	0.13	0.12	2.3	
2	7.380	9.250	34	115	1.5	1.4	2.0	1.5	1.6	1.4	0.13	0.15	0.11	0.12	0.12	0.10	2.3	
3	8.650	6.986	26	112	1.3	1.4	1.6	1.6	1.6	1.5	0.10	0.11	X	0.10	0.10	0.09	2.5	
4	8.950	7.499	21	110	1.1	1.0	1.3	1.2	1.3	1.1	0.10	0.11	0.10	0.10	0.10	0.10	2.6	
5	7.560	7.177	21	104	0.8	0.9	1.1	1.0	0.9	1.0	0.11	0.11	0.10	0.10	0.11	0.15	2.4	
6	8.450	7.734	18	100	1.1	1.2	1.5	1.3	1.2	1.2	0.12	0.13	0.11	0.12	0.12	0.11	2.4	
7	8.750	7.344	20	101	1.1	1.0	1.4	1.1	1.2	0.9	0.10	0.10	0.08	0.12	0.13	0.13	2.2	
8	10.080	8.375	28	101	2.8	2.1	3.0	2.3	2.5	2.3	0.18	0.21	0.25	0.23	0.26	0.30	1.5	
9	7.790	6.696	27	103	2.0	1.5	1.8	1.5	1.8	1.5	X	X	0.31	0.39	0.39	0.32	1.7	
10	6.370	6.031	23	100	1.4	1.2	1.5	1.4	2.2	2.2	X	X	X	0.29	0.29	0.26	1.6	
11	7.500	7.046	23	98	1.5	1.6	1.7	1.4	1.4	1.4	0.25	X	0.22	0.24	0.25	0.25	1.9	
12	8.070	6.746	27	98	2.1	2.7	2.9	2.3	2.1	2.3	0.22	X	0.23	0.24	0.28	0.26	2.1	
13	7.670	6.909	25	99	1.1	1.2	1.4	1.5	1.2	1.3	0.24	X	0.23	0.21	0.18	0.15	2.2	
14	7.700	6.685	29	100	1.2	1.0	1.2	1.0	1.1	1.0	X	X	0.13	0.15	0.14	0.14	2.0	
15	5.360	4.857	32	102	1.2	1.2	1.1	1.0	1.2	1.1	X	X	0.16	0.16	0.16	0.16	1.5	
16	4.410	4.548	31	100	0.7	0.6	0.9	0.6	0.7	0.6	0.17	0.16	0.13	0.12	0.12	0.11	1.2	
17	7.480	6.931	31	99	0.6	0.6	0.7	0.6	0.6	0.7	0.12	0.11	0.09	0.10	0.07	0.07	1.5	
18	8.190	7.274	44	101	0.8	0.7	1.0	0.9	0.9	0.8	0.08	0.08	0.08	0.08	0.08	0.07	3.0	
19	7.680	7.324	48	103	0.9	1.1	1.3	1.4	1.3	1.1	X	X	0.08	0.07	0.08	0.10	3.1	
20	8.070	6.997	39	100	1.4	1.5	1.6	1.5	1.6	1.6	0.08	0.08	0.09	0.09	0.11	0.08	2.7	
21	9.140	8.338	25	97	1.4	1.5	1.8	1.6	1.7	1.5	0.09	0.09	0.10	0.10	0.09	0.12	2.3	
22	7.230	7.227	31	105	0.9	1.0	0.9	1.0	1.1	0.9	X	X	0.09	0.09	0.09	0.07	2.6	
23	9.350	8.060	31	104	0.6	0.6	0.6	0.6	0.7	0.6	0.09	0.09	0.09	0.10	0.09	0.06	3.1	
24	9.330	8.346	24	102	0.6	0.7	0.8	0.6	0.6	0.6	0.07	0.08	0.07	0.07	0.07	0.08	2.8	
25	7.650	8.145	25	102	0.9	0.7	1.0	0.9	1.0	0.8	0.07	X	0.07	0.07	0.08	0.08	2.8	
26	8.890	9.066	26	104	0.8	0.9	1.0	0.8	0.9	0.9	0.08	0.09	0.08	0.09	0.09	0.09	2.8	
27	7.970	7.133	32	100	1.5	1.6	1.6	1.5	1.7	1.5	0.09	0.09	0.08	0.09	0.10	0.12	2.4	
28	9.190	8.769	31	100	1.9	1.8	2.0	1.8	2.1	1.9	0.14	0.15	0.17	0.20	0.23	0.22	2.4	
29	9.170	8.578	28	98	1.5	1.5	1.4	1.5	1.4	1.7	0.26	0.33	0.28	0.26	0.23	0.19	1.9	
30	9.150	9.405	24	97	1.5	1.4	1.7	1.4	1.6	1.4	0.18	0.20	0.22	0.29	0.23	0.16	1.9	
31	9.140	7.627	25	99	0.9	0.8	0.7	0.7	0.7	0.7	0.15	0.15	0.15	0.14	0.12	0.10	2.9	
Total	251.590	230.570																
Avg	8.116	7.438																
Max	10.080	9.405																
Min	4.410	4.548																

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: August 4, 2008

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: July Year: 2008

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	0.24	X	0.25	0.21	0.17	X	0.25	0.18	0.31	0.20	0.23	X								
2	0.19	X	0.21	X	X	X	0.20	X	0.19	X	0.20	X								
3	0.18	X	0.17	X	X	X	0.17	X	0.16	X	0.17	X								
4	0.20	X	0.17	X	0.20	0.17	0.16	X	0.20	X	0.22	0.21								
5	0.24	0.20	0.21	0.20	0.17	X	0.13	X	0.14	X	0.21	X								
6	0.20	X	0.20	X	0.15	X	0.13	X	0.27	0.18	0.19	X								
7	0.37	X	0.37	X	0.29	X	X	X	0.38	X	0.36	X								
8	0.56	0.46	0.80	0.49	0.47	0.43	0.57	0.39	0.57	0.49	0.55	0.49								
9	0.79	X	0.67	X	0.57	X	0.65	X	0.64	X	0.64	X								
10	0.65	X	0.66	X	0.53	X	0.39	X	0.57	X	0.64	X								
11	0.58	X	0.49	X	0.53	X	0.63	X	0.53	X	0.57	X								
12	0.66	X	0.61	X	0.53	0.39	0.50	X	0.51	X	0.61	X								
13	0.57	X	0.41	0.22	0.38	X	0.39	0.23	0.30	X	0.45	0.18								
14	0.34	0.22	0.29	X	0.23	X	0.26	X	0.30	0.19	0.28	X								
15	0.37	X	0.32	X	0.25	X	0.27	X	0.33	X	0.31	X								
16	0.18	X	0.16	X	0.14	X	0.15	X	X	X	0.16	X								
17	0.10	X	0.10	X	0.15	0.10	0.09	X	0.19	X	0.11	X								
18	0.17	0.10	0.15	0.10	0.10	X	0.17	0.11	0.09	X	0.19	0.10								
19	0.10	X	0.12	X	0.10	X	0.11	X	0.10	X	0.13	X								
20	0.10	X	0.13	X	0.12	X	0.12	X	0.24	0.15	0.14	X								
21	0.15	X	0.13	X	0.24	0.17	0.12	X	0.15	X	0.14	X								
22	0.14	X	0.19	0.14	0.16	X	0.12	X	0.14	X	0.14	X								
23	0.14	0.12	0.13	X	0.10	X	0.18	X	0.10	X	0.29	0.12								
24	0.12	X	0.09	X	0.07	X	0.09	X	0.14	0.10	0.10	X								
25	0.12	X	0.10	X	0.16	0.14	0.09	X	0.12	X	0.11	X								
26	0.14	X	0.12	X	0.17	X	0.11	X	0.15	X	0.13	X								
27	0.18	X	0.29	0.18	0.22	X	0.31	0.30	0.20	X	0.17	X								
28	0.49	0.29	0.47	X	0.38	X	0.49	X	0.34	X	0.54	0.38								
29	0.45	X	0.22	X	0.14	0.13	0.12	X	0.14	X	0.14	X								
30	0.40	X	0.34	0.30	0.29	X	0.37	X	0.26	X	0.39	X								
31	0.20	X	0.47	X	0.38	X	0.49	0.32	0.34	X	0.54	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: August 4, 2008

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: July Year: 2008

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 _{min}
1	NA D1								
	FCL D2	3.5	9.300	29.0	7.4				
	FCL D3	2.5	9.300	29.0	7.3				
	D4								
	D5								
2	NA D1								
	FCL D2	3.4	9.800	29.0	7.4				
	FCL D3	2.6	9.800	29.0	7.3				
	D4								
	D5								
3	NA D1								
	FCL D2	3.7	9.700	29.0	7.4				
	FCL D3	2.5	9.700	29.0	7.3				
	D4								
	D5								
4	NA D1								
	FCL D2	3.6	9.500	29.0	7.5				
	FCL D3	2.7	9.500	29.0	7.4				
	D4								
	D5								
5	NA D1								
	FCL D2	3.5	9.700	29.0	7.4				
	FCL D3	2.5	9.700	30.0	7.3				
	D4								
	D5								
6	NA D1								
	FCL D2	3.5	9.800	29.0	7.4				
	FCL D3	2.7	9.800	30.0	7.4				
	D4								
	D5								
7	NA D1								
	FCL D2	3.5	9.800	29.0	7.4				
	FCL D3	2.7	9.800	30.0	7.4				
	D4								
	D5								
8	NA D1								
	FCL D2	2.6	12.300	29.0	7.3				
	FCL D3	2.3	12.300	30.0	7.3				
	D4								
	D5								

PERFORMANCE DATA									
Date	DISINFECTION PROCESS DATA								
	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time _{min}
9	NA D1								
	FCL D2	3.2	9.700	29.0	7.3				
	FCL D3	2.2	9.700	30.0	7.3				
	D4								
	D5								
10	NA D1								
	FCL D2	2.7	9.100	29.0	7.4				
	FCL D3	2.2	9.100	30.0	7.3				
	D4								
	D5								
11	NA D1								
	FCL D2	3.4	9.400	29.0	7.5				
	FCL D3	4.6	9.400	30.0	7.3				
	D4								
	D5								
12	NA D1								
	FCL D2	3.5	9.600	29.0	7.6				
	FCL D3	2.3	9.600	30.0	7.4				
	D4								
	D5								
13	NA D1								
	FCL D2	4.0	9.600	30.0	7.5				
	FCL D3	2.2	9.600	30.0	7.5				
	D4								
	D5								
14	NA D1								
	FCL D2	2.7	9.600	29.0	7.4				
	FCL D3	2.0	9.600	30.0	7.2				
	D4								
	D5								
15	NA D1								
	FCL D2	2.9	9.600	29.0	7.2				
	FCL D3	1.8	9.600	30.0	7.2				
	D4								
	D5								
16	NA D1								
	FCL D2	3.0	4.400	30.0	7.2				
	FCL D3	2.3	4.400	29.0	7.2				
	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: August 4, 2008

