

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>June 2009</u>	Operator's Signature: _____ Certificate No. & Grade: <u>WO0004220 A</u> Date: <u>July 1, 2009</u>

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	167	Number of 4-hour periods when plant was off-line:	13
Number of readings above 0.10 NTU:	115	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	5		
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:	3.0 % (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	0.17 NTU
			Standard deviation:
			0.083 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	
#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 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:	60	Percentage of readings with a low residual this month:	0.0 % (6A)
Average disinfectant residual value:	1.97		
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: June 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	6.950	6.044	24	112	0.5	0.4	0.4	0.4	0.5	0.5	0.08	0.08	0.08	0.07	0.11	0.10	1.6	
2	6.370	5.798	28	110	0.6	0.7	0.6	0.5	0.5	0.5	0.10	0.11	0.08	0.08	0.09	0.09	1.6	
3	6.930	6.499	24	107	0.5	0.4	0.5	0.5	0.5	0.5	0.11	0.12	0.10	0.10	0.09	0.09	2.1	
4	5.280	5.389	24	102	0.6	0.6	0.5	0.5	0.5	0.5	X	X	0.09	0.09	0.08	0.08	2.1	
5	6.970	6.701	38	102	0.5	0.5	0.4	0.6	0.5	0.5	0.10	0.10	0.13	0.13	0.11	0.10	2.3	
6	7.020	5.937	31	107	0.5	0.6	1.2	0.6	0.5	0.5	0.13	0.12	0.11	0.12	0.12	0.15	1.4	
7	7.090	6.877	24	104	0.9	0.8	1.3	0.7	0.6	0.7	0.15	0.14	0.13	0.13	0.15	0.14	1.6	
8	7.140	6.376	26	104	1.1	0.9	1.4	0.7	0.8	0.6	0.15	0.17	0.15	0.17	0.17	0.17	2.6	
9	7.110	6.320	23	102	1.0	1.7	1.4	1.0	0.9	0.9	0.19	0.20	0.20	0.22	0.22	0.23	2.2	
10	7.200	6.121	22	103	1.3	1.2	1.6	1.1	1.2	1.0	0.25	0.25	0.22	0.25	0.28	0.29	2.6	
11	4.400	3.703	23	105	1.2	1.0	1.2	1.4	0.9	1.2	X	X	X	0.28	0.31	0.39	2.7	
12	7.270	6.880	20	102	0.9	0.7	0.8	0.9	0.8	0.8	0.39	0.37	0.36	0.33	0.27	0.23	2.8	
13	7.320	6.506	30	104	0.5	0.4	0.5	0.5	0.4	0.4	0.25	0.20	0.17	0.15	0.15	0.13	2.7	
14	7.330	6.001	27	104	0.4	0.3	0.4	0.3	0.4	0.4	0.13	0.13	0.09	0.09	0.11	0.13	2.6	
15	4.760	4.544	23	101	0.5	0.5	0.5	0.4	0.4	0.5	X	X	0.08	0.09	0.09	0.10	1.6	
16	7.200	6.509	27	102	0.6	0.7	0.6	0.7	0.5	0.6	0.14	0.14	0.14	0.14	0.14	0.18	2.2	
17	7.190	6.345	27	101	0.6	0.5	0.7	0.7	0.6	0.4	0.22	0.22	0.22	0.23	0.22	0.21	3.0	
18	7.220	5.788	29	101	0.7	0.9	0.7	0.9	0.6	0.7	0.24	0.22	0.23	0.25	0.27	0.27	3.1	
19	7.210	7.148	34	95	0.9	1.1	1.0	0.9	1.0	0.8	0.27	0.27	0.27	0.30	0.30	0.31	2.8	
20	7.210	6.521	40	101	0.9	1.2	0.9	0.9	0.8	0.9	0.34	0.30	0.12	0.30	0.30	0.31	2.6	
21	7.190	6.362	39	108	0.7	0.8	0.6	0.7	0.5	0.7	0.31	0.31	0.32	0.29	0.28	0.23	2.5	
22	8.250	7.330	31	103	0.9	0.7	1.0	0.6	0.8	0.6	0.21	0.21	0.19	0.23	0.26	0.25	2.8	
23	9.250	8.170	38	101	0.4	0.6	0.7	0.6	0.6	0.6	0.15	0.18	0.13	0.10	0.10	0.07	2.9	
24	4.270	4.090	36	103	0.5	0.5	0.5	0.4	0.5	0.5	0.07	X	0.07	X	0.14	0.15	2.4	
25	8.360	7.087	38	105	0.4	0.4	0.4	0.4	0.3	0.4	0.09	0.13	0.37	0.12	0.09	0.08	2.4	
26	8.840	8.105	46	104	0.4	0.4	0.4	0.4	0.4	0.4	0.08	0.08	0.07	0.07	0.06	0.06	2.2	
27	6.130	6.278	36	103	0.4	0.4	0.5	0.5	0.4	0.5	X	X	0.07	0.07	0.08	0.08	2.0	
28	7.210	7.380	26	102	0.4	0.5	0.4	0.5	0.4	0.4	0.08	0.10	0.09	0.09	0.09	0.11	2.7	
29	7.170	7.263	25	96	0.8	0.5	0.7	0.5	0.8	0.5	X	X	0.11	0.11	0.14	0.14	0.9	
30	9.160	8.048	20	97	0.6	0.5	0.5	0.5	0.5	0.5	0.16	0.15	0.11	0.11	0.09	0.09	2.5	
31																		
Total	211.000	192.120																
Avg	7.033	6.404																
Max	9.250	8.170																
Min	4.270	3.703																

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: July 1, 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: June 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	0.10	X	0.09	X	0.10	X	0.09	X	0.12	0.12	0.09	X									
2	0.18	0.15	0.10	X	0.11	X	0.10	X	0.12	X	0.18	0.15									
3	0.13	X	0.13	0.13	0.10	X	0.10	X	0.12	X	0.14	X									
4	0.14	X	0.15	X	0.09	X	0.17	0.15	0.13	X	0.15	X									
5	0.14	X	0.15	X	X	X	0.17	X	0.13	X	0.15	X									
6	0.14	X	0.14	X	0.17	0.17	0.15	X	0.22	0.18	0.24	0.21									
7	0.26	0.21	0.13	X	0.17	X	0.15	X	0.18	X	0.21	X									
8	0.27	X	0.30	0.28	0.24	X	0.21	X	0.25	X	0.27	X									
9	0.32	X	0.34	X	0.26	X	0.36	0.13	0.28	X	0.31	X									
10	0.44	X	0.41	X	0.44	0.22	0.41	X	0.63	0.21	0.56	0.28									
11	0.58	X	0.63	X	0.52	X	0.51	X	0.53	X	0.60	X									
12	0.55	0.29	0.41	X	0.38	X	0.36	X	0.36	X	0.43	X									
13	0.16	X	0.46	0.14	0.14	X	0.38	0.11	0.13	X	0.14	X									
14	0.10	X	0.11	X	0.31	0.12	0.11	X	0.09	X	0.11	X									
15	0.14	X	0.14	X	0.17	X	0.16	X	0.29	0.20	0.15	X									
16	0.15	X	0.27	X	0.26	X	0.24	X	0.28	X	0.39	0.34									
17	0.39	0.35	0.24	X	0.27	X	0.25	X	0.29	X	0.39	X									
18	0.35	X	0.43	0.40	0.49	0.40	0.23	X	0.27	X	0.32	X									
19	0.39	X	0.40	X	0.36	X	0.57	0.40	0.26	X	0.33	X									
20	0.41	X	0.57	X	0.43	X	0.44	X	0.59	0.41	0.38	X									
21	0.52	0.36	0.45	X	0.37	X	0.35	X	0.39	X	X	X									
22	0.31	X	0.56	0.19	0.53	0.16	0.34	X	0.27	X	0.54	0.45									
23	0.15	X	0.16	X	0.14	X	0.28	0.08	0.14	X	0.17	X									
24	0.12	X	0.09	X	0.10	X	0.09	X	0.11	X	0.11	X									
25	0.12	X	0.20	0.09	0.15	0.08	0.07	X	0.21	0.10	0.11	X									
26	0.13	0.09	0.10	X	0.09	X	0.07	X	0.08	X	0.08	X									
27	0.15	X	0.13	X	0.12	X	0.09	X	0.11	X	X	X									
28	0.15	X	0.14	X	0.13	X	0.10	X	0.12	X	X	X									
29	0.17	X	0.16	X	0.15	X	0.26	0.18	0.14	X	0.28	0.28									
30	0.28	0.18	0.26	0.12	0.23	0.14	0.15	X	0.25	0.15	0.19	X									
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. and Grade: WO0004220 A Date: July 1, 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: June Year: 2009

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	7.000	26.0	7.4				
	CLA D3	2.1	7.000	26.0	7.3				
	D4								
	D5								
2	NA D1								
	FCL D2	2.7	7.100	26.0	7.5				
	CLA D3	2.5	7.100	26.0	7.4				
	D4								
	D5								
3	NA D1								
	FCL D2	2.8	7.000	26.0	7.5				
	CLA D3	2.3	7.000	26.0	7.5				
	D4								
	D5								
4	NA D1								
	FCL D2	3.2	7.000	27.0	7.5				
	CLA D3	2.7	7.000	27.0	7.5				
	D4								
	D5								
5	NA D1								
	FCL D2	2.8	6.900	27.0	7.4				
	CLA D3	2.4	6.900	27.0	7.4				
	D4								
	D5								
6	NA D1								
	FCL D2	3.3	7.000	27.0	7.5				
	CLA D3	2.1	7.000	27.0	7.4				
	D4								
	D5								
7	NA D1								
	FCL D2	3.4	7.100	27.0	7.4				
	CLA D3	2.8	7.100	27.0	7.4				
	D4								
	D5								
8	NA D1								
	FCL D2	3.2	7.200	27.0	7.4				
	CLA D3	2.9	7.200	27.0	7.4				
	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	3.0	7.100	27.0	7.4				
	CLA D3	2.5	7.100	27.0	7.4				
	D4								
	D5								
10	NA D1								
	FCL D2	3.4	7.200	27.0	7.4				
	CLA D3	3.6	7.200	27.0	7.3				
	D4								
	D5								
11	NA D1								
	FCL D2	2.2	7.300	27.0	7.4				
	CLA D3	2.9	7.300	28.0	7.4				
	D4								
	D5								
12	NA D1								
	FCL D2	3.2	7.300	28.0	7.4				
	CLA D3	3.3	7.300	28.0	7.3				
	D4								
	D5								
13	NA D1								
	FCL D2	2.6	7.400	28.0	7.4				
	CLA D3	3.0	7.400	28.0	7.5				
	D4								
	D5								
14	NA D1								
	FCL D2	3.1	7.300	27.0	7.5				
	CLA D3	2.6	7.300	28.0	7.4				
	D4								
	D5								
15	NA D1								
	FCL D2	2.6	7.200	28.0	7.4				
	CLA D3	2.9	7.200	28.0	7.4				
	D4								
	D5								
16	NA D1								
	FCL D2	3.1	7.200	29.0	7.6				
	CLA D3	3.3	7.200	29.0	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.

SUBMITTED BY: _____ Certificate No. and Grade: WO0004220 A Date: July 1, 2009

