

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: City of Corsicana

PLANT NAME OR NUMBER: Navarro Mills

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.: 1750002

Operator's Signature: _____

Report for the Month of: August 2007

Certificate No. & Grade: WO0004220 A

Date: September 5, 2007

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	181	Number of 4-hour periods when plant was off-line:	5
Number of readings above 0.10 NTU:	86	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:	0.15 NTU	Average turbidity value:
	Minimum turbidity reading:	0.07 NTU	0.11 NTU
			Standard deviation:
			0.019 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: <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:	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:	1.81		
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: August 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	5.750	4.504	8	118	0.9	0.7	1.0	0.8	0.7	0.6	0.13	0.13	X	0.14	0.13	0.12	2.8	
2	4.630	3.985	14	119	0.8	0.6	0.6	0.6	0.8	0.6	X	X	0.09	0.14	0.10	0.10	2.5	
3	5.670	4.764	8	119	0.6	0.7	0.7	0.6	0.6	0.6	0.11	0.10	0.08	0.09	0.11	0.12	2.6	
4	4.250	4.099	8	118	0.8	0.7	0.8	0.6	0.7	0.8	X	X	0.11	0.14	0.09	0.10	2.6	
5	5.340	4.712	9	119	0.8	0.8	0.9	0.7	0.7	0.6	0.10	0.10	0.08	0.09	0.08	0.08	3.0	
6	7.130	5.970	12	120	1.0	0.9	1.1	1.1	0.9	0.8	0.09	0.09	0.08	0.08	0.12	0.12	2.7	
7	6.020	5.166	11	116	0.9	1.0	0.9	1.0	0.7	1.0	0.12	0.15	0.12	0.13	0.12	0.13	2.2	
8	6.660	5.039	14	120	1.0	0.9	1.5	0.9	0.9	0.9	0.15	0.11	0.12	0.15	0.13	0.11	2.4	
9	5.650	4.499	13	123	0.8	1.1	1.5	0.9	0.9	1.0	0.11	0.12	0.10	0.10	0.09	0.11	2.4	
10	6.670	6.138	13	123	0.8	0.9	1.0	1.0	0.9	0.9	0.14	0.13	0.12	0.13	0.13	0.13	1.0	
11	7.800	6.212	16	121	0.9	1.0	1.0	1.0	0.9	1.1	0.14	0.13	0.11	0.11	0.12	0.12	2.4	
12	5.550	5.540	14	121	0.9	0.9	1.0	1.0	0.9	0.8	0.11	0.11	0.10	0.09	0.10	0.09	2.8	
13	8.240	6.586	16	120	1.0	0.7	1.2	0.8	0.8	0.8	0.09	0.08	0.07	0.08	0.09	0.09	3.0	
14	6.130	5.759	14	119	1.1	1.0	1.1	1.1	0.9	0.9	0.14	0.15	0.10	0.10	0.10	0.11	2.9	
15	7.250	5.930	16	120	0.8	0.7	1.0	0.7	0.8	0.8	0.09	0.09	0.12	0.14	0.13	0.11	3.1	
16	6.960	5.602	18	120	1.1	0.8	1.0	0.9	0.8	1.2	0.11	0.10	0.11	0.11	0.13	0.13	3.2	
17	5.110	5.046	17	124	1.2	0.8	0.9	0.7	0.8	0.8	0.14	0.13	0.10	0.13	0.09	0.10	3.3	
18	5.370	4.574	12	121	1.0	0.6	0.9	0.8	0.6	0.7	0.09	0.09	0.09	0.08	0.09	0.09	3.2	
19	7.960	5.526	15	120	1.1	0.9	1.0	1.0	0.8	0.8	0.08	0.09	0.07	0.08	0.10	0.10	3.3	
20	6.940	6.057	18	120	1.0	1.0	1.1	0.9	0.9	0.9	0.12	0.12	0.10	0.10	0.13	0.11	3.0	
21	7.570	6.334	23	123	0.8	0.9	0.9	0.9	0.8	0.9	0.10	0.10	0.08	0.09	0.10	0.09	2.8	
22	7.750	6.493	30	121	0.9	0.7	1.1	0.9	0.8	0.7	0.10	0.09	0.07	0.07	0.08	0.08	2.7	
23	6.280	5.375	30	122	1.0	1.1	1.0	1.2	0.8	1.1	0.08	0.08	0.10	0.11	0.09	0.09	2.7	
24	8.360	6.554	25	122	1.0	1.2	1.3	1.2	1.0	1.1	0.11	0.10	0.12	0.13	0.13	0.13	2.4	
25	8.430	7.332	39	119	0.9	1.1	1.6	0.9	0.9	0.9	0.13	0.12	0.12	0.12	0.11	0.11	2.0	
26	6.340	5.976	26	120	0.9	1.1	1.1	0.9	0.8	0.7	0.12	0.11	0.10	0.09	0.12	0.10	1.9	
27	10.070	7.267	28	120	1.5	1.1	1.8	1.1	0.9	0.7	0.08	0.07	0.07	0.08	0.10	0.09	2.0	
28	7.690	6.914	37	122	1.2	1.4	1.5	1.6	1.4	1.4	0.09	0.09	0.11	0.11	0.10	0.10	2.7	
29	9.230	7.363	31	121	1.1	1.0	1.0	1.0	1.0	1.0	0.12	0.11	0.09	0.11	0.09	0.08	2.1	
30	7.550	6.102	28	124	0.9	1.0	1.1	0.9	0.9	0.9	0.09	0.09	0.12	0.09	0.11	0.11	1.5	
31	5.770	5.576	23	120	1.5	1.3	1.8	1.2	1.3	1.1	0.11	0.11	0.10	0.09	0.10	0.09	2.7	
Total	210.120	176.994																
Avg	6.778	5.709																
Max	10.070	7.363																
Min	4.250	3.985																

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: September 5, 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: August 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	0.24	X	0.40	X	0.14	X	0.19	X	0.29	X	0.33	0.31									
2	0.59	X	0.22	X	0.13	X	0.24	X	0.13	X	0.18	X									
3	0.32	0.29	0.28	X	0.29	X	0.51	X	0.15	X	0.22	X									
4	0.23	X	0.22	X	0.14	X	0.21	0.19	0.08	X	0.11	X									
5	0.33	X	0.19	0.18	0.30	X	0.17	X	0.30	X	0.43	X									
6	0.23	X	0.22	X	0.41	X	0.63	X	0.25	0.19	0.28	0.23									
7	0.13	X	0.93	X	0.28	0.28	0.64	X	0.22	X	0.26	X									
8	0.36	0.33	0.26	X	0.24	X	0.26	0.18	0.20	X	0.20	X									
9	0.39	X	0.24	0.23	0.12	X	0.18	X	0.24	0.18	0.24	X									
10	0.28	X	0.20	X	0.34	X	0.32	X	0.23	X	0.29	0.25									
11	0.29	0.22	0.42	X	0.24	0.21	0.23	0.21	0.16	X	0.19	X									
12	X	X	0.11	X	0.16	X	0.13	X	0.10	X	0.13	X									
13	0.21	0.18	0.24	0.20	0.16	X	0.16	X	0.15	X	0.50	X									
14	0.19	X	0.19	X	0.15	X	0.15	X	0.21	0.18	0.20	X									
15	0.20	X	0.20	X	0.33	0.24	0.28	0.25	0.22	X	0.28	0.27									
16	0.34	0.21	0.30	0.21	0.22	0.21	0.17	X	0.16	X	0.18	X									
17	0.16	X	0.14	X	0.12	X	0.13	X	X	X	0.11	X									
18	0.11	X	0.10	X	0.10	X	0.09	X	0.21	0.14	0.09	X									
19	0.27	0.18	0.29	0.17	0.23	0.16	0.18	0.16	0.15	X	0.30	0.18									
20	0.17	X	0.16	X	0.16	X	0.14	X	0.13	X	0.16	X									
21	0.16	X	0.16	X	0.13	X	0.13	X	0.13	X	0.18	X									
22	0.13	X	0.10	X	0.09	X	0.09	X	0.19	0.17	0.10	X									
23	0.14	X	0.14	X	0.19	0.19	0.19	0.16	0.19	X	0.20	0.13									
24	0.25	0.24	0.26	0.24	0.19	X	0.19	X	0.15	X	0.19	X									
25	0.21	X	0.19	X	0.15	X	0.15	X	0.23	0.21	0.14	X									
26	0.15	X	0.14	X	0.14	X	0.16	X	0.17	X	0.14	X									
27	0.18	X	0.19	0.15	0.09	X	0.17	X	0.14	X	0.22	0.18									
28	0.50	0.18	0.17	X	0.16	X	0.16	0.15	0.14	X	0.17	X									
29	0.15	X	0.18	0.14	0.12	X	0.13	X	0.17	0.14	0.19	0.13									
30	0.17	X	0.15	X	0.21	0.16	0.14	X	0.16	X	0.15	X									
31	X	X	0.12	X	0.14	X	0.11	X	0.13	X	0.13	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: September 5, 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: August 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	3.8	10.000	28.0	7.6				
	FCL D3	3.1	10.000	28.0	7.5				
	D4								
	D5								
2	NA D1								
	FCL D2	4.3	6.400	27.0	7.6				
	FCL D3	2.8	6.400	26.0	7.4				
	D4								
	D5								
3	NA D1								
	FCL D2	4.7	6.400	28.0	7.5				
	FCL D3	3.1	6.400	28.0	7.4				
	D4								
	D5								
4	NA D1								
	FCL D2	4.6	6.200	28.0	7.5				
	FCL D3	2.6	6.200	25.0	7.4				
	D4								
	D5								
5	NA D1								
	FCL D2	5.0	6.200	29.0	7.5				
	FCL D3	3.3	6.200	30.0	7.4				
	D4								
	D5								
6	NA D1								
	FCL D2	3.7	9.800	30.0	7.5				
	FCL D3	3.2	9.800	30.0	7.4				
	D4								
	D5								
7	NA D1								
	FCL D2	5.1	9.700	27.0	7.7				
	FCL D3	2.2	9.700	29.0	7.6				
	D4								
	D5								
8	NA D1								
	FCL D2	4.2	9.900	29.0	7.6				
	FCL D3	3.0	9.900	29.0	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
9	NA D1								
	FCL D2	3.5	5.700	29.0	7.7				
	FCL D3	2.8	5.700	29.0	7.5				
	D4								
	D5								
10	NA D1								
	FCL D2	2.7	9.900	29.0	7.7				
	FCL D3	3.1	9.900	29.0	7.5				
	D4								
	D5								
11	NA D1								
	FCL D2	2.9	10.100	29.0	7.5				
	CLA D3	2.8	10.100	29.0	7.8				
	D4								
	D5								
12	NA D1								
	FCL D2	2.5	5.600	30.0	7.5				
	CLA D3	3.0	5.600	30.0	7.7				
	D4								
	D5								
13	NA D1								
	FCL D2	3.5	9.800	31.0	7.4				
	CLA D3	3.3	9.800	31.0	7.3				
	D4								
	D5								
14	NA D1								
	FCL D2	3.6	9.500	28.0	7.3				
	CLA D3	2.9	9.500	29.0	7.4				
	D4								
	D5								
15	NA D1								
	FCL D2	3.2	10.000	30.0	7.4				
	CLA D3	3.5	10.000	30.0	7.4				
	D4								
	D5								
16	NA D1								
	FCL D2	3.1	9.600	27.0	7.6				
	CLA D3	3.4	9.600	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: W00004220 A Date: September 5, 2007

