

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: September 2007

Certificate No. & Grade: WO0004220 A

Date: October 2, 2007

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	178	Number of 4-hour periods when plant was off-line:	2	
Number of readings above 0.10 NTU:	44	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:	0.09 NTU
	Minimum turbidity reading:	0.06 NTU	Standard deviation:	0.018 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:	30	
		Number of days when CT data was not collected:	30	
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:	63	Percentage of readings with a low residual this month:	0.0 % (6A)
Average disinfectant residual value:	1.98		
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: September 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	8.180	5.712	22	118	1.3	1.2	1.8	1.0	1.1	1.1	0.09	0.09	0.10	0.08	0.11	0.13	2.6	
2	5.460	5.103	28	118	1.4	1.0	1.6	1.0	0.8	1.0	0.10	0.11	0.09	0.08	0.10	0.10	2.5	
3	7.590	5.906	32	119	1.1	0.8	1.4	1.0	0.9	0.7	0.09	0.08	0.08	0.08	0.10	0.10	2.4	
4	5.270	4.240	28	116	0.9	1.0	1.0	1.0	0.8	1.0	0.10	0.10	0.08	0.07	0.08	0.09	2.7	
5	5.400	4.693	32	117	1.1	1.0	1.2	0.9	0.9	0.9	0.07	0.07	0.12	0.09	0.08	0.08	2.6	
6	5.610	4.398	26	117	1.0	1.0	1.0	1.0	0.9	0.8	0.10	0.10	0.10	0.10	0.10	0.09	2.3	
7	5.620	4.363	24	116	0.9	0.9	1.0	1.0	0.8	0.9	0.08	0.09	0.10	0.10	0.11	0.10	2.0	
8	5.520	4.538	27	114	0.9	1.0	0.9	1.0	0.8	0.8	0.09	0.09	0.09	0.09	0.09	0.08	2.8	
9	5.440	4.397	24	112	1.1	1.0	0.9	1.1	0.9	0.8	0.09	0.08	0.08	0.08	0.08	0.08	2.7	
10	6.950	5.320	26	115	1.3	1.2	1.3	1.3	1.1	1.1	0.08	0.09	0.09	0.09	0.10	0.09	2.7	
11	5.220	4.737	29	111	1.3	1.1	1.1	1.1	1.1	1.0	0.09	0.09	0.11	0.11	0.11	0.11	2.4	
12	7.650	5.812	30	109	1.1	1.2	1.3	1.2	1.0	1.0	0.11	0.11	0.12	0.12	0.11	0.11	2.4	
13	4.060	4.026	32	113	0.8	1.1	1.5	1.1	1.0	0.9	X	X	0.09	0.10	0.08	0.09	2.5	
14	7.110	5.243	57	113	1.1	1.2	1.2	1.2	1.0	0.9	0.09	0.09	0.08	0.10	0.10	0.10	2.4	
15	6.280	5.559	61	112	1.4	1.8	1.8	1.6	1.5	1.2	0.10	0.09	0.07	0.07	0.07	0.07	2.7	
16	6.090	5.238	55	112	1.4	1.7	1.9	1.7	1.5	1.2	0.07	0.08	0.09	0.09	0.08	0.08	2.8	
17	5.570	4.751	46	112	1.3	1.3	1.6	1.3	1.1	1.0	0.07	0.07	0.06	0.06	0.07	0.07	2.5	
18	6.950	5.391	51	114	1.2	1.5	1.3	1.3	1.1	1.2	0.07	0.07	0.07	0.07	0.09	0.08	2.5	
19	7.400	5.981	39	112	1.2	1.2	1.3	1.2	1.1	1.0	0.10	0.10	0.08	0.08	0.09	0.10	3.0	
20	5.740	5.740	33	113	1.1	1.1	1.1	1.0	1.1	0.9	0.11	0.12	0.09	0.09	0.10	0.08	2.7	
21	7.140	5.325	45	112	1.0	1.1	1.2	1.1	1.0	1.0	0.10	0.09	0.09	0.10	0.08	0.07	2.6	
22	7.510	6.332	26	109	0.8	0.8	1.1	1.0	0.9	0.9	0.07	0.07	0.07	0.07	0.08	0.11	2.6	
23	5.520	4.531	25	110	0.9	0.9	1.2	0.9	0.8	0.8	0.10	0.10	0.10	0.10	0.10	0.09	2.4	
24	7.980	6.561	26	109	1.0	0.8	1.5	0.9	1.1	0.8	0.09	0.09	0.09	0.10	0.14	0.14	2.6	
25	5.520	5.012	29	109	1.1	1.0	1.2	1.0	1.1	1.1	0.14	0.12	0.13	0.14	0.13	0.12	2.7	
26	7.170	5.663	29	110	1.1	1.0	1.1	1.1	1.0	0.9	0.15	0.13	0.12	0.11	0.11	0.10	2.7	
27	5.490	4.513	25	112	0.7	0.8	0.9	0.8	0.7	0.8	0.12	0.11	0.08	0.08	0.08	0.08	2.4	
28	5.590	5.076	26	110	0.9	0.7	1.0	0.8	0.8	0.8	0.12	0.11	0.10	0.11	0.12	0.13	2.4	
29	8.570	5.754	24	110	0.8	0.9	1.0	0.8	0.7	0.7	0.12	0.13	0.10	0.10	0.13	0.12	2.7	
30	5.490	4.868	24	109	0.8	0.8	0.9	1.0	0.8	0.7	0.11	0.11	0.08	0.09	0.09	0.09	2.8	
31																		
Total	189.090	154.783																
Avg	6.303	5.159																
Max	8.570	6.561																
Min	4.060	4.026																

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: October 2, 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: September 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	0.21	0.21	0.25	0.16	0.14	X	0.21	0.15	0.13	X	0.12	X									
2	0.27	X	0.14	X	0.13	X	0.15	X	0.15	0.14	0.14	X									
3	0.37	X	0.30	X	0.14	0.13	0.10	X	0.13	X	0.15	0.13									
4	0.12	X	0.09	X	0.11	X	0.07	X	0.10	X	X	X									
5	0.15	X	0.18	0.17	0.16	X	0.15	X	0.18	X	0.14	0.12									
6	0.19	0.19	0.16	X	0.16	X	0.18	0.17	0.14	X	0.14	X									
7	0.16	X	0.14	X	0.20	0.19	0.19	X	0.09	X	0.12	X									
8	0.12	X	0.10	X	0.15	X	0.13	X	X	X	0.09	X									
9	0.14	X	0.13	X	0.17	X	0.15	X	0.20	0.17	0.21	0.20									
10	0.23	0.18	0.20	0.15	0.10	X	0.11	X	0.15	X	0.20	X									
11	0.22	X	0.17	X	0.10	X	0.24	0.23	0.17	X	0.21	X									
12	0.15	X	0.14	X	0.20	0.17	0.22	X	0.15	X	0.15	X									
13	0.18	X	0.16	X	0.13	X	0.11	X	0.19	X	0.23	X									
14	0.19	0.14	0.15	0.14	0.13	X	0.13	X	0.18	0.17	0.24	0.18									
15	0.13	X	0.13	X	0.16	0.14	0.10	X	0.13	X	0.11	X									
16	0.23	X	0.17	X	0.13	X	0.07	X	0.16	X	0.15	X									
17	0.11	X	0.10	X	0.08	X	0.14	0.13	0.16	X	0.07	X									
18	0.24	X	0.19	0.13	0.15	X	0.14	X	0.12	X	0.16	0.11									
19	0.21	0.16	0.12	X	0.22	0.14	0.12	X	0.18	0.18	0.12	X									
20	0.14	X	0.54	X	0.11	X	0.24	X	0.14	X	0.09	X									
21	0.13	X	0.13	X	0.14	X	0.11	X	0.13	X	0.08	X									
22	0.27	X	0.23	0.18	0.13	X	0.51	0.19	0.15	X	0.11	X									
23	0.23	X	0.17	X	0.14	X	0.18	X	0.15	X	0.15	0.15									
24	0.23	0.21	0.16	X	0.10	X	0.13	X	0.21	0.21	0.16	X									
25	0.26	X	0.36	X	0.25	0.22	0.14	X	0.22	X	0.18	X									
26	0.16	X	0.27	0.25	0.17	X	0.10	X	0.15	X	0.11	X									
27	0.24	X	0.20	X	0.13	X	0.20	0.18	0.15	X	0.19	0.19									
28	0.25	0.24	0.25	X	0.11	X	0.19	X	0.20	0.20	0.19	X									
29	0.16	X	0.29	0.15	0.16	X	0.12	X	0.19	X	0.12	X									
30	0.12	X	X	X	0.11	X	0.10	X	0.13	X	0.10	X									
31																					

SUMMARY & COMPLIANCE ACTIONS	Criteria											Filter No.										Plant	
	1	2	3	4	5	6	7	8	9	10	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	0	0	0	0	0																
	Number of days with event(s) above 1.0 NTU this month	0	0	0	0	0	0																
	Number of days with event(s) above 1.0 NTU last month	0	0	0	0	0	0																
	Number of days with event(s) above 1.0 NTU two months ago	0	0	0	0	0	0																
	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	N	N	N	N	N																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: October 2, 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: September 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									
Date	DISINFECTION PROCESS DATA								
	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
1	NA D1								
	FCL D2	3.3	10.000	29.0	7.6				
	CLA D3	3.1	10.000	29.0	7.6				
	D4								
	D5								
2	NA D1								
	FCL D2	4.0	10.000	29.0	7.6				
	CLA D3	3.2	10.000	29.0	7.6				
	D4								
	D5								
3	NA D1								
	FCL D2	3.2	10.000	28.0	7.5				
	CLA D3	2.4	10.000	29.0	7.5				
	D4								
	D5								
4	NA D1								
	FCL D2	2.8	5.200	28.0	7.5				
	CLA D3	3.0	5.200	29.0	7.5				
	D4								
	D5								
5	NA D1								
	FCL D2	2.7	5.400	28.0	7.5				
	CLA D3	2.8	5.400	29.0	7.5				
	D4								
	D5								
6	NA D1								
	FCL D2	2.0	5.600	27.0	7.5				
	CLA D3	2.8	5.600	27.0	7.5				
	D4								
	D5								
7	NA D1								
	FCL D2	3.0	5.700	27.0	7.6				
	CLA D3	2.0	5.700	27.0	7.5				
	D4								
	D5								
8	NA D1								
	FCL D2	2.9	5.500	28.0	7.6				
	CLA D3	3.0	5.500	29.0	7.6				
	D4								
	D5								

PERFORMANCE DATA									
Date	DISINFECTION PROCESS DATA								
	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
9	NA D1								
	FCL D2	2.9	5.400	29.0	7.6				
	CLA D3	2.8	5.400	29.0	7.6				
	D4								
	D5								
10	NA D1								
	FCL D2	2.1	10.100	28.0	7.6				
	CLA D3	3.3	10.100	27.0	7.7				
	D4								
	D5								
11	NA D1								
	FCL D2	2.7	5.300	28.0	7.7				
	CLA D3	2.6	5.300	29.0	7.7				
	D4								
	D5								
12	NA D1								
	FCL D2	3.1	10.000	28.0	7.7				
	CLA D3	3.0	10.000	28.0	7.7				
	D4								
	D5								
13	NA D1								
	FCL D2	2.5	5.700	26.0	7.7				
	CLA D3	2.7	5.700	26.0	7.7				
	D4								
	D5								
14	NA D1								
	FCL D2	3.1	10.000	28.0	7.6				
	CLA D3	2.6	10.000	28.0	7.6				
	D4								
	D5								
15	NA D1								
	FCL D2	3.6	10.100	27.0	7.6				
	CLA D3	2.8	10.100	28.0	7.6				
	D4								
	D5								
16	NA D1								
	FCL D2	3.6	10.100	27.0	7.7				
	CLA D3	3.1	10.100	28.0	7.7				
	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: October 2, 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 (cont.)

PUBLIC WATER SYSTEM NAME: City of Corsicana
PWS ID No.: 1750002

PLANT NAME OR NUMBER: Navarro Mills
Month: September Year: 2007

DISINFECTION PROCESS PARAMETERS							
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS		
Parameters	Disinfection Zones					Log Inactivations	
	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Virus
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
17	NA D1								
	FCL D2	2.7	5.600	27.0	7.5				
	CLA D3	3.0	5.600	27.0	7.6				
	D4								
	D5								
18	NA D1								
	FCL D2	3.3	10.200	27.0	7.5				
	CLA D3	2.8	10.200	27.0	7.5				
	D4								
	D5								
19	NA D1								
	FCL D2	3.4	10.000	28.0	7.6				
	CLA D3	3.2	10.000	27.0	7.5				
	D4								
	D5								
20	NA D1								
	FCL D2	2.8	5.600	28.0	7.6				
	CLA D3	3.2	5.600	28.0	7.6				
	D4								
	D5								
21	NA D1								
	FCL D2	3.6	9.900	26.0	7.6				
	CLA D3	2.9	9.900	26.0	7.6				
	D4								
	D5								
22	NA D1								
	FCL D2	3.0	10.000	27.0	7.6				
	CLA D3	2.8	10.000	27.0	7.6				
	D4								
	D5								
23	NA D1								
	FCL D2	2.6	5.600	27.0	7.5				
	CLA D3	2.7	5.600	27.0	7.5				
	D4								
	D5								
24	NA D1								
	FCL D2	2.9	9.900	26.0	7.5				
	CLA D3	2.8	9.900	27.0	7.4				
	D4								
	D5								

PERFORMANCE DATA									
Date	DISINFECTION PROCESS DATA								
	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
25	NA D1								
	FCL D2	3.6	9.900	26.0	7.4				
	CLA D3	2.9	9.900	27.0	7.4				
	D4								
	D5								
26	NA D1								
	FCL D2	3.3	10.000	27.0	7.4				
	CLA D3	3.0	10.000	27.0	7.4				
	D4								
	D5								
27	NA D1								
	FCL D2	2.9	5.600	27.0	7.4				
	CLA D3	2.6	5.600	27.0	7.5				
	D4								
	D5								
28	NA D1								
	FCL D2	3.2	5.600	28.0	7.4				
	CLA D3	2.8	5.600	28.0	7.4				
	D4								
	D5								
29	NA D1								
	FCL D2	2.9	10.800	27.0	7.5				
	CLA D3	3.5	10.800	27.0	7.5				
	D4								
	D5								
30	NA D1								
	FCL D2	3.4	6.200	26.0	7.5				
	CLA D3	3.2	6.200	27.0	7.5				
	D4								
	D5								
31	D1								
	D2								
	D3								
	D4								
	D5								
	Max	NA	NA						
	Min	NA	NA						
	Avg	NA	NA						
	SD	NA	NA						

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: October 2, 2007