

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: October 2006

Certificate No. & Grade: WO0004220 A

Date: November 2, 2006

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	<u>186</u>	Number of 4-hour periods when plant was off-line:	<u>0</u>
Number of readings above 0.10 NTU:	<u>2</u>	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	<u>0</u>
Number of readings above 0.3 NTU:	<u>0</u>		
Number of readings above 0.5 NTU:	<u>0</u>		
Number of readings above 1.0 NTU:	<u>0</u>		
Maximum allowable turbidity level:	<u>0.3</u>	Number of days with readings above 1.0 NTU:	<u>0</u> (2)
Percentage of readings above this limit:	<u>0.0</u> % (1)	Number of days with readings above 5.0 NTU:	<u>0</u> (3)
Statistical Summary	Maximum turbidity reading:	<u>0.12</u> NTU	Average turbidity value:
	Minimum turbidity reading:	<u>0.06</u> NTU	<u>0.08</u> NTU
		Average turbidity value:	<u>0.011</u> NTU
		Standard deviation:	
Additional report(s) for individual filter monitoring required:	<input type="radio"/> NONE	<input type="radio"/> Filter Profile	<input type="radio"/> Filter Assessment
Additional report(s) for individual filter monitoring submitted:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter Profile	<input type="radio"/> Filter Assessment
#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:	<u>0</u>	Average log inactivation for Giardia:	<u>NA</u>
Number of days with a low CT for more than 4.0 consecutive hours:	<u>0</u> (4)	Average log inactivation for viruses:	<u>NA</u>
		Number of days when profiling data was not collected:	<u>31</u>
		Number of days when CT data was not collected:	<u>31</u>
Minimum disinfectant residual required leaving the plant:	<u>0.5</u> 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:	<u>0</u>		
Number of days with a low residual for more than 4.0 consecutive hours:	<u>0</u> (5)	Number of days when disinfectant residual leaving the plant was not properly monitored:	<u>0</u>

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:	<u>0.5</u> mg/L	<input type="radio"/> Free Chlorine	<input checked="" type="radio"/> Total Chlorine
Total number of readings this month:	<u>56</u>		
Average disinfectant residual value:	<u>2.29</u>	Percentage of readings with a low residual this month:	<u>0.0</u> % (6A)
Number of readings with a low residual:	<u>0</u>		
Number of readings with no detectable residual:	<u>0</u>	Percentage of readings with a low residual last month:	<u>0.0</u> % (6B)

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: 8,734

Month: October Year: 2006

Population: 24,485

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	6.370	5.817	44	93	0.8	0.7	0.8	0.8	0.7	0.7	0.08	0.08	0.07	0.07	0.07	0.07	2.9	
2	6.250	5.083	45	96	0.8	0.8	1.0	0.7	0.8	0.7	0.07	0.08	0.07	0.08	0.10	0.08	3.1	
3	6.060	5.128	40	95	0.8	0.9	1.0	0.8	0.8	0.8	0.08	0.07	0.09	0.12	0.11	0.10	3.1	
4	6.810	5.251	51	99	0.8	0.8	1.0	0.8	0.9	0.8	0.10	0.07	0.08	0.08	0.10	0.09	3.0	
5	5.340	4.741	51	97	0.8	0.8	0.9	0.7	0.9	0.8	0.10	0.10	0.08	0.08	0.08	0.08	3.0	
6	6.850	5.121	57	97	1.1	1.2	1.2	1.0	1.0	1.2	0.08	0.08	0.08	0.10	0.08	0.07	3.0	
7	4.880	4.350	62	100	1.1	0.9	1.1	1.0	1.0	0.9	0.07	0.06	0.07	0.06	0.08	0.07	3.1	
8	6.420	4.121	59	100	1.0	0.9	0.9	1.0	1.0	0.9	0.07	0.08	0.07	0.07	0.06	0.06	3.0	
9	4.320	4.541	56	99	0.9	0.8	1.1	0.9	1.0	0.8	0.08	0.07	0.08	0.07	0.07	0.07	3.1	
10	6.310	4.973	50	100	0.9	0.8	0.9	0.9	1.0	0.8	0.07	0.06	0.09	0.10	0.09	0.08	3.1	
11	4.290	3.153	51	100	0.9	0.9	1.0	0.8	0.9	0.8	0.09	0.08	0.06	0.06	0.07	0.07	3.1	
12	4.240	2.957	54	99	0.8	0.8	0.8	0.7	0.9	0.8	0.06	0.06	0.06	0.07	0.07	0.07	3.0	
13	4.070	3.721	52	98	0.7	0.7	0.8	0.8	0.7	0.7	0.07	0.07	0.07	0.07	0.07	0.08	2.8	
14	4.330	3.369	52	96	0.8	0.7	0.7	0.7	0.7	0.6	0.07	0.07	0.07	0.06	0.07	0.07	2.9	
15	4.260	3.335	66	100	0.8	0.7	0.9	0.7	0.6	0.7	0.08	0.08	0.07	0.07	0.07	0.07	2.9	
16	4.270	3.770	77	100	0.8	0.8	1.0	0.7	0.9	0.7	0.07	0.07	0.07	0.07	0.07	0.06	2.9	
17	7.140	5.320	69	99	0.9	0.8	0.8	0.7	0.8	0.7	0.08	0.08	0.09	0.10	0.08	0.08	2.8	
18	4.150	3.245	53	99	0.8	0.7	0.9	0.7	0.7	0.6	0.09	0.08	0.07	0.07	0.07	0.08	3.2	
19	5.900	4.539	54	98	0.8	0.8	1.0	0.8	0.8	0.7	0.07	0.07	0.07	0.08	0.09	0.10	3.1	
20	4.360	3.854	55	97	0.8	0.8	1.0	0.7	0.8	0.8	0.09	0.09	0.10	0.09	0.08	0.08	3.0	
21	4.340	3.351	52	96	0.7	0.7	0.8	0.8	0.7	0.7	0.08	0.07	0.07	0.08	0.08	0.08	2.9	
22	4.350	3.723	49	97	0.7	0.7	0.8	0.7	0.6	0.6	0.08	0.09	0.09	0.09	0.09	0.08	2.7	
23	4.380	3.361	54	97	0.8	1.0	1.3	0.8	0.8	0.7	0.08	0.08	0.08	0.08	0.09	0.09	2.7	
24	4.320	3.309	57	97	0.8	0.9	1.0	0.9	0.8	0.8	0.10	0.09	0.09	0.08	0.08	0.08	2.9	
25	4.340	3.216	51	97	0.8	0.8	1.0	0.7	0.8	0.7	0.08	0.07	0.08	0.08	0.08	0.08	2.9	
26	4.340	3.730	50	97	0.9	0.8	0.9	0.9	0.9	0.8	0.08	0.08	0.08	0.08	0.09	0.08	2.8	
27	5.280	4.374	53	99	0.8	0.7	1.0	0.8	0.7	0.6	0.09	0.08	0.08	0.08	0.08	0.08	2.7	
28	4.260	3.486	54	98	0.7	0.7	0.9	0.7	0.6	0.7	0.10	0.10	0.08	0.09	0.10	0.09	2.9	
29	4.270	3.417	48	97	0.9	0.8	1.0	0.8	0.8	0.8	0.09	0.08	0.08	0.08	0.08	0.08	2.8	
30	4.212	2.538	45	100	0.8	0.9	1.1	0.9	0.8	0.9	0.08	0.08	0.07	0.07	0.08	0.08	2.8	
31	5.800	3.613	43	98	X	1.5	1.1	0.8	0.8	0.8	0.08	0.08	0.07	0.08	0.08	0.10	3.0	
Total	156.512	124.507																
Avg	5.049	4.016																
Max	7.140	5.817																
Min	4.070	2.538																

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: November 2, 2006

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: October Year: 2006

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	0.08	X	0.10	X	0.13	0.10	0.14	0.13	0.06	X	0.08	X								
2	0.23	X	0.34	X	0.14	X	0.12	X	0.22	0.12	0.19	X								
3	0.28	X	0.39	X	0.20	X	0.19	X	0.21	X	0.25	0.25								
4	0.22	0.17	0.64	0.22	0.20	0.15	0.15	X	0.20	X	0.21	X								
5	0.14	X	0.14	X	0.17	0.16	0.11	X	0.08	X	0.10	X								
6	0.21	X	0.17	X	0.15	X	0.41	0.15	0.18	X	0.24	X								
7	0.15	X	0.12	X	0.13	X	0.13	X	0.13	0.10	0.15	X								
8	0.16	0.14	0.18	0.13	0.08	X	0.11	X	0.11	X	0.25	0.13								
9	0.14	X	0.18	X	0.18	X	0.09	X	0.10	X	0.11	X								
10	0.19	X	0.14	X	0.17	0.13	0.11	X	0.13	X	0.11	X								
11	0.12	X	0.11	X	0.12	X	0.34	X	0.11	X	0.12	X								
12	0.10	X	0.11	X	0.10	X	0.13	0.13	0.48	X	0.08	X								
13	0.19	0.14	0.10	X	0.10	X	0.11	X	0.17	0.12	0.22	X								
14	0.14	X	0.12	X	0.07	X	0.11	X	0.11	X	0.22	0.12								
15	0.14	X	0.23	X	0.06	X	0.08	X	0.09	X	0.12	X								
16	0.11	X	0.13	0.13	0.21	0.11	0.21	X	0.11	X	0.10	X								
17	0.34	X	0.12	X	0.12	X	0.16	X	0.80	0.10	0.11	X								
18	X	X	0.10	X	0.09	X	0.10	X	0.11	X	0.13	X								
19	0.19	0.18	0.13	X	0.12	X	0.13	X	0.16	X	0.32	0.16								
20	0.13	X	0.21	X	0.09	X	0.11	X	0.11	X	0.19	0.12								
21	0.12	X	0.16	0.14	0.16	0.14	0.31	X	0.11	X	0.13	X								
22	0.13	X	0.13	X	0.13	X	0.14	0.12	0.20	X	0.10	X								
23	0.39	X	0.12	X	0.12	X	0.14	X	0.16	0.14	0.14	X								
24	X	X	0.10	X	0.10	X	0.11	X	0.13	X	0.09	X								
25	0.15	0.15	0.13	X	0.13	X	0.12	X	0.13	X	0.17	0.14								
26	0.12	X	0.16	0.13	0.11	X	0.16	X	0.11	X	0.13	X								
27	0.12	X	0.12	X	0.14	0.13	0.50	0.15	0.12	X	0.12	X								
28	0.10	X	0.11	X	0.12	X	0.14	X	X	X	0.10	X								
29	0.17	X	0.09	X	0.09	X	0.11	X	0.14	0.13	0.10	X								
30	0.15	0.13	0.13	X	0.13	X	0.10	X	0.12	X	0.14	X								
31	0.16	X	0.34	0.16	0.23	X	0.13	X	0.15	X	0.18	0.17								

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: November 2, 2006

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: October Year: 2006

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	2.7	9.400	25.0	7.5				
	CLA D3	3.3	9.400	25.0	7.7				
	D4								
	D5								
2	NA D1								
	FCL D2	3.2	9.600	24.0	7.4				
	CLA D3	3.6	9.600	25.0	7.6				
	D4								
	D5								
3	NA D1								
	FCL D2	3.0	9.600	24.0	7.5				
	CLA D3	3.1	9.600	25.0	7.7				
	D4								
	D5								
4	NA D1								
	FCL D2	2.7	9.500	25.0	7.5				
	CLA D3	3.5	9.500	25.0	7.6				
	D4								
	D5								
5	NA D1								
	FCL D2	2.6	9.400	25.0	7.3				
	CLA D3	3.0	9.400	25.0	7.4				
	D4								
	D5								
6	NA D1								
	FCL D2	3.2	10.000	24.0	7.5				
	CLA D3	3.0	10.000	24.0	7.6				
	D4								
	D5								
7	NA D1								
	FCL D2	3.0	9.600	24.0	7.4				
	CLA D3	3.6	9.600	26.0	7.6				
	D4								
	D5								
8	NA D1								
	FCL D2	3.0	9.600	24.0	7.4				
	CLA D3	3.0	9.600	25.0	7.5				
	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	3.0	9.500	24.0	7.4				
	CLA D3	3.1	9.500	25.0	7.5				
	D4								
	D5								
10	NA D1								
	FCL D2	3.0	9.600	23.0	7.3				
	CLA D3	3.5	9.600	24.0	7.5				
	D4								
	D5								
11	NA D1								
	FCL D2	2.4	4.300	24.0	7.4				
	CLA D3	3.3	4.300	24.0	7.6				
	D4								
	D5								
12	NA D1								
	FCL D2	2.5	4.200	23.0	7.4				
	CLA D3	3.0	4.200	23.0	7.5				
	D4								
	D5								
13	NA D1								
	FCL D2	2.3	4.300	22.0	7.5				
	CLA D3	3.4	4.300	23.0	7.7				
	D4								
	D5								
14	NA D1								
	FCL D2	2.3	4.300	22.0	7.4				
	CLA D3	3.1	4.300	23.0	7.6				
	D4								
	D5								
15	NA D1								
	FCL D2	2.6	4.200	22.0	7.4				
	CLA D3	3.2	4.200	22.0	7.5				
	D4								
	D5								
16	NA D1								
	FCL D2	2.0	4.400	22.0	7.5				
	CLA D3	3.0	4.400	22.0	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: November 2, 2006

