

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>April 2008</u>	Operator's Signature: _____ Certificate No. & Grade: <u>WO0004220 A</u> Date: <u>May 2, 2008</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:	89	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:	Average turbidity value:	0.11 NTU
	Minimum turbidity reading:	Standard deviation:	0.021 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: #####		Average log inactivation for Giardia: NA	
Number of days with a low CT for more than 4.0 consecutive hours: ##### (4)		Average log inactivation for viruses: NA	
		Number of days when profiling data was not collected: #NAME?	
		Number of days when CT data was not collected: #NAME?	
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:	60	Percentage of readings with a low residual this month:	0.0 % (6A)
Average disinfectant residual value:	2.21		
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	#NAME?		
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: April 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	4.020	4.159	23	127	0.6	0.7	0.7	0.6	0.6	0.6	X	X	0.10	0.10	0.09	0.08	2.6	
2	5.610	4.017	23	126	0.6	0.5	0.7	0.5	0.5	0.5	0.12	0.11	0.07	0.08	0.08	0.07	2.6	
3	3.990	3.942	21	129	0.4	0.5	0.5	0.4	0.5	0.5	0.16	0.14	X	0.07	0.07	0.07	2.5	
4	5.230	3.771	25	129	0.6	0.6	0.7	0.6	0.9	0.7	0.07	0.06	0.09	0.09	0.09	0.08	2.2	
5	3.940	3.626	29	130	0.5	0.5	0.6	0.6	0.5	0.4	0.11	0.09	X	X	0.14	0.12	2.5	
6	5.600	4.804	26	129	0.5	0.5	0.7	0.6	0.8	0.5	0.13	0.13	0.12	0.10	0.14	0.15	2.8	
7	5.570	4.263	26	128	0.4	0.4	0.6	0.5	0.7	0.4	0.15	0.14	0.09	0.10	0.08	0.09	2.7	
8	5.500	4.155	35	129	0.5	0.5	0.7	0.7	0.9	0.7	0.13	0.13	0.10	0.11	0.13	0.13	2.5	
9	4.110	4.021	26	127	0.5	0.5	0.7	0.4	0.6	0.4	X	X	0.08	0.09	0.10	0.11	2.5	
10	5.530	4.003	23	125	0.5	0.6	0.6	0.6	0.6	0.6	0.15	0.15	0.12	0.12	0.13	0.11	2.9	
11	4.180	4.142	22	129	0.4	0.4	0.7	0.5	0.5	0.7	X	X	0.10	0.09	0.10	0.11	3.0	
12	4.990	4.620	19	131	0.4	0.5	0.6	0.5	0.5	0.5	0.11	0.12	0.12	0.12	0.12	0.12	3.0	
13	4.680	4.232	18	128	0.4	0.5	0.5	0.5	0.4	0.5	0.14	0.12	0.10	0.11	0.12	0.11	2.6	
14	5.820	4.574	24	129	0.4	0.4	0.6	0.4	0.6	0.5	0.12	0.13	0.12	0.12	0.13	0.12	3.6	
15	5.690	4.322	27	130	0.6	0.7	0.8	0.7	0.7	0.6	0.12	0.12	0.12	0.11	0.12	0.11	2.5	
16	5.170	4.767	25	130	0.6	0.7	0.7	0.7	0.7	0.6	0.13	0.12	0.10	0.10	0.10	0.10	2.8	
17	5.210	4.130	24	132	0.6	0.7	0.7	0.7	0.6	0.6	0.11	0.10	0.09	0.11	0.10	0.10	2.8	
18	5.270	4.104	25	135	0.5	0.7	0.6	0.7	0.7	0.6	0.12	0.12	0.12	0.13	0.10	0.09	2.6	
19	5.400	4.244	23	132	0.5	0.6	0.7	0.7	0.6	0.6	0.13	0.12	0.09	0.10	0.12	0.11	2.6	
20	5.470	4.042	26	132	0.5	0.5	0.6	0.4	0.7	0.4	0.10	0.11	0.08	0.08	0.12	0.11	2.6	
21	6.310	4.465	24	131	0.5	0.5	0.6	0.5	0.4	0.4	X	X	0.08	0.09	0.10	0.12	2.7	
22	6.310	4.686	24	131	0.5	0.6	0.6	0.5	0.6	0.5	0.11	0.11	0.10	0.12	0.10	0.09	2.8	
23	6.080	4.461	24	133	0.5	0.5	0.6	0.4	0.6	0.5	0.10	0.10	0.08	0.09	0.09	0.10	2.6	
24	4.958	4.116	14	130	0.5	0.5	0.7	0.7	0.9	0.4	0.17	0.15	0.10	X	0.11	0.10	2.7	
25	6.100	4.262	16	128	0.5	0.5	0.6	0.6	0.6	0.5	0.13	0.13	0.09	0.09	0.10	0.10	2.7	
26	5.970	4.486	15	133	0.4	0.5	0.5	0.5	0.5	0.5	0.10	0.10	0.10	0.10	0.11	0.11	2.6	
27	4.740	4.118	13	133	0.5	0.7	0.7	0.6	0.7	0.6	0.11	X	0.09	0.11	0.12	0.14	2.1	
28	6.150	4.425	16	131	0.6	0.6	0.6	0.7	0.6	0.6	0.16	0.12	0.10	0.11	0.11	0.12	2.1	
29	5.980	4.663	18	131	0.5	0.6	0.5	0.6	0.6	0.6	0.12	0.11	0.10	0.10	0.10	0.10	2.5	
30	5.960	4.450	19	128	0.6	0.6	0.7	0.5	0.6	0.5	0.12	0.21	0.09	0.10	0.10	0.09	3.0	
31																		
Total	159.538	128.070																
Avg	5.318	4.269																
Max	6.310	4.804																
Min	3.940	3.626																

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: May 2, 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: April 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	X	X	X	X	0.12	X	0.09	X	X	X	0.12	X								
2	X	X	X	X	0.11	X	0.09	X	X	X	0.12	X								
3	X	X	X	X	0.12	X	0.12	X	0.11	0.11	0.14	X								
4	0.13	0.12	0.11	0.11	0.07	X	0.07	X	0.11	X	X	X								
5	0.13	X	0.11	X	X	X	X	X	0.11	X	X	X								
6	0.12	X	0.11	X	X	X	X	X	0.11	X	X	X								
7	0.12	X	0.10	X	X	X	X	X	0.10	X	0.12	0.12								
8	0.13	X	0.11	X	0.13	0.12	X	X	X	X	0.13	X								
9	X	X	X	X	0.14	X	0.13	X	X	X	0.14	X								
10	X	X	X	X	0.14	X	0.14	X	X	X	0.14	X								
11	X	X	X	X	0.14	X	0.13	X	0.16	0.15	0.24	X								
12	X	X	X	X	0.13	X	0.13	X	0.15	X	X	X								
13	0.18	0.18	0.15	0.14	0.12	X	0.16	X	0.15	X	X	X								
14	0.18	X	0.15	X	X	X	0.15	0.14	0.14	X	X	X								
15	0.15	X	0.13	X	X	X	0.13	X	X	X	0.16	0.15								
16	0.12	X	0.12	X	X	X	X	X	X	X	0.13	X								
17	0.11	X	0.11	X	0.14	0.14	0.11	X	X	X	0.12	X								
18	X	X	X	X	0.12	X	0.11	X	0.13	0.12	0.11	X								
19	X	X	X	X	0.11	X	0.10	X	0.13	X	X	X								
20	X	X	0.12	0.12	0.09	X	0.09	X	0.11	X	X	X								
21	0.18	0.18	0.11	X	0.10	X	0.13	X	0.10	X	X	X								
22	0.16	X	0.11	X	X	X	0.10	X	0.10	X	0.13	0.13								
23	0.16	X	0.10	X	X	X	X	X	X	X	0.14	X								
24	0.15	X	0.12	X	X	X	0.13	0.10	X	X	0.13	X								
25	0.14	X	0.14	X	X	X	0.10	X	X	X	0.12	X								
26	X	X	0.13	X	X	X	0.11	X	0.18	0.13	0.14	X								
27	0.24	0.15	X	X	0.12	0.11	0.19	X	0.12	X	X	X								
28	0.14	X	X	X	0.10	X	X	X	0.11	X	0.15	0.12								
29	0.14	X	X	X	0.10	X	X	X	X	X	0.13	X								
30	0.15	X	0.19	0.18	0.12	X	X	X	X	X	0.14	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: May 2, 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: April 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									
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	2.7	6.200	19.0	7.4				
	CLA D3	2.6	6.200	19.0	7.5				
	D4								
	D5								
2	NA D1								
	FCL D2	2.4	5.600	19.0	7.5				
	CLA D3	2.7	5.600	19.0	7.5				
	D4								
	D5								
3	NA D1								
	FCL D2	2.7	5.600	19.0	7.5				
	CLA D3	2.5	5.600	19.0	7.5				
	D4								
	D5								
4	NA D1								
	FCL D2	2.8	5.300	20.0	7.4				
	CLA D3	2.3	5.300	20.0	7.3				
	D4								
	D5								
5	NA D1								
	FCL D2	2.5	5.600	19.0	7.6				
	CLA D3	2.7	5.600	19.0	7.7				
	D4								
	D5								
6	NA D1								
	FCL D2	2.4	5.600	18.0	7.5				
	CLA D3	3.0	5.600	19.0	7.6				
	D4								
	D5								
7	NA D1								
	FCL D2	2.6	5.600	19.0	7.3				
	CLA D3	2.9	5.600	19.0	7.4				
	D4								
	D5								
8	NA D1								
	FCL D2	2.6	5.600	20.0	7.4				
	CLA D3	2.6	5.600	20.0	7.3				
	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	5.600	19.0	7.5				
	CLA D3	2.6	5.600	20.0	7.4				
	D4								
	D5								
10	NA D1								
	FCL D2	2.7	5.500	21.0	7.3				
	CLA D3	3.1	5.500	21.0	7.4				
	D4								
	D5								
11	NA D1								
	FCL D2	3.0	5.600	21.0	7.4				
	CLA D3	3.3	5.600	21.0	7.5				
	D4								
	D5								
12	NA D1								
	FCL D2	3.2	5.500	19.0	7.5				
	CLA D3	3.2	5.500	21.0	7.6				
	D4								
	D5								
13	NA D1								
	FCL D2	2.7	4.700	19.0	7.5				
	CLA D3	2.8	4.700	20.0	7.5				
	D4								
	D5								
14	NA D1								
	FCL D2	3.6	9.000	19.0	7.4				
	CLA D3	2.4	9.000	20.0	7.6				
	D4								
	D5								
15	NA D1								
	FCL D2	3.0	9.000	19.0	7.5				
	CLA D3	2.5	9.000	20.0	7.5				
	D4								
	D5								
16	NA D1								
	FCL D2	2.9	5.300	20.0	7.4				
	CLA D3	2.9	5.300	19.0	7.4				
	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: May 2, 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 (cont.)

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

PLANT NAME OR NUMBER: Navarro Mills
Month: April Year: 2008

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	2.8	5.500	19.0	7.6				
	CLA D3	3.0	5.500	20.0	7.6				
	D4								
	D5								
18	NA D1								
	FCL D2	2.7	5.600	19.0	7.5				
	CLA D3	2.9	5.600	20.0	7.6				
	D4								
	D5								
19	NA D1								
	FCL D2	2.5	5.600	19.0	7.5				
	CLA D3	2.9	5.600	20.0	7.5				
	D4								
	D5								
20	NA D1								
	FCL D2	2.7	5.700	20.0	7.5				
	CLA D3	2.9	5.700	20.0	7.6				
	D4								
	D5								
21	NA D1								
	FCL D2	2.7	9.000	20.0	7.0				
	CLA D3	2.8	9.000	20.0	2.8	#####	#####	#####	
	D4								
	D5								
22	NA D1								
	FCL D2	3.1	8.600	21.0	7.3				
	CLA D3	3.3	8.600	21.0	7.4				
	D4								
	D5								
23	NA D1								
	FCL D2	2.9	6.200	22.0	7.1				
	CLA D3	2.6	6.200	21.0	7.2				
	D4								
	D5								
24	NA D1								
	FCL D2	2.3	6.000	22.0	7.4				
	CLA D3	2.7	6.000	21.0	7.2				
	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	2.5	6.100	22.0	7.5				
	CLA D3	3.0	6.100	23.0	7.7				
	D4								
	D5								
26	NA D1								
	FCL D2	2.4	6.200	22.0	7.6				
	CLA D3	2.9	6.200	22.0	7.8				
	D4								
	D5								
27	NA D1								
	FCL D2	2.0	6.000	21.0	7.6				
	CLA D3	2.5	6.000	22.0	7.6				
	D4								
	D5								
28	NA D1								
	FCL D2	2.4	6.200	21.0	7.4				
	CLA D3	2.5	6.200	21.0	7.4				
	D4								
	D5								
29	NA D1								
	FCL D2	2.4	6.000	21.0	7.3				
	CLA D3	2.8	6.000	21.0	7.3				
	D4								
	D5								
30	NA D1								
	FCL D2	2.8	6.000	21.0	7.6				
	CLA D3	3.2	6.000	22.0	7.4				
	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: May 2, 2008