

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>May 2006</u>	Operator's Signature: _____ Certificate No. & Grade: <u>WO0004220 A</u> Date: <u>June 2, 2006</u>

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	186	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	26	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:	0.21 NTU	Average turbidity value:
	Minimum turbidity reading:	0.05 NTU	0.08 NTU
			Standard deviation: 0.030 NTU
Additional report(s) for individual filter monitoring required:		☐ NONE ☐ Filter Profile ☐ Filter Assessment ☐ CPE	
Additional report(s) for individual filter monitoring submitted:		☒ NONE ☐ Filter Profile ☐ Filter Assessment ☐ 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:	31
		Number of days when CT data was not collected:	31
Minimum disinfectant residual required leaving the plant:		0.5 mg/L ☐ Free Chlorine ☒ 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 ☐ Free Chlorine ☒ Total Chlorine	
Total number of readings this month:	56	Percentage of readings with a low residual this month:	0.0 % (6A)
Average disinfectant residual value:	2.55		
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:	
		COMMISSION	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: May 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	Alk.	Basin No.						Turbidity						Lowest	
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6	Residual	Time
1	6.570	5.019	51	124	0.8	0.7	1.2	0.8	0.8	0.7	0.06	0.06	0.05	0.06	0.06	0.07	3.0	
2	7.030	6.134	42	125	0.6	0.7	0.8	0.7	0.7	0.6	0.07	0.07	0.05	0.05	0.05	0.05	3.1	
3	8.150	6.926	31	124	0.6	0.5	0.7	0.6	0.5	0.6	0.07	0.07	0.06	0.06	0.06	0.05	3.0	
4	6.460	5.818	29	125	0.5	0.6	0.6	0.6	0.5	0.5	0.07	0.07	0.05	0.05	0.05	0.06	3.0	
5	6.060	4.950	38	125	0.5	0.5	0.5	0.5	0.5	0.5	0.06	0.06	0.06	0.06	0.05	0.05	2.9	
6	6.900	5.616	45	125	0.6	0.8	0.7	0.6	0.6	0.7	0.06	0.06	0.07	0.07	0.07	0.07	2.9	
7	5.450	5.500	44	124	0.6	0.7	0.7	0.7	0.6	0.6	0.07	0.06	0.07	0.06	0.07	0.07	2.8	
8	6.950	4.973	51	124	0.8	0.7	0.8	0.7	0.7	0.7	0.07	0.07	0.07	0.07	0.08	0.09	2.9	
9	6.520	5.773	40	123	0.7	0.6	0.8	0.7	0.6	0.7	0.08	0.08	0.06	0.06	0.06	0.06	2.8	
10	6.180	5.895	29	122	0.7	0.5	0.6	0.6	0.5	0.5	0.07	0.07	0.06	0.06	0.06	0.05	2.8	
11	7.040	5.837	33	122	0.6	0.7	0.6	0.6	0.6	0.6	0.07	0.07	0.06	0.06	0.06	0.07	2.8	
12	7.180	6.239	33	119	0.7	0.6	0.8	0.8	0.7	0.7	0.07	0.07	0.08	0.07	0.07	0.06	3.1	
13	8.420	7.554	34	118	0.9	0.7	0.9	0.7	0.6	0.7	0.06	0.06	0.06	0.06	0.09	0.08	2.7	
14	6.050	5.554	43	119	0.9	0.9	1.0	0.8	0.8	0.8	0.08	0.09	0.08	0.08	0.08	0.08	2.8	
15	9.440	7.102	41	121	1.2	1.0	1.2	1.0	1.0	1.0	0.08	0.08	0.08	0.10	0.08	0.09	2.5	
16	6.730	6.441	44	121	1.1	1.1	1.1	1.0	1.0	1.0	0.12	0.11	0.11	0.11	0.09	0.09	2.5	
17	7.080	6.224	53	122	1.0	0.8	1.1	0.8	1.0	0.9	0.10	0.10	0.09	0.08	0.08	0.08	2.4	
18	6.970	6.390	50	122	0.9	0.8	1.0	0.9	0.8	0.8	0.08	0.08	0.09	0.08	0.07	0.07	2.7	
19	10.310	8.513	45	117	1.3	1.3	1.5	1.4	1.4	1.4	0.07	0.07	0.09	0.09	0.09	0.10	3.0	
20	8.450	7.993	49	115	1.5	1.7	1.8	1.8	1.6	1.6	0.11	0.10	0.10	0.09	0.11	0.11	2.8	
21	9.500	7.651	45	113	1.4	1.7	1.8	1.8	1.5	1.5	0.14	0.17	0.17	0.17	0.17	0.16	2.6	
22	10.270	8.870	46	109	X	1.7	1.6	1.3	1.5	1.3	0.14	0.13	0.12	0.16	0.16	0.16	2.8	
23	9.240	7.464	51	110	2.4	X	2.8	2.3	2.1	2.2	0.14	0.16	0.21	0.20	0.16	0.13	2.9	
24	10.890	7.770	39	111	1.5	1.4	X	1.2	1.3	1.2	0.11	0.09	0.08	0.09	0.08	0.08	2.9	
25	9.170	8.087	34	112	1.2	1.1	1.1	2.4	1.1	1.2	0.08	0.08	0.07	0.07	0.07	0.07	2.6	
26	8.280	7.538	37	111	0.9	0.9	0.9	1.2	0.9	0.8	0.07	0.07	0.07	0.06	0.08	0.07	2.8	
27	9.740	8.345	43	112	0.7	0.7	0.7	0.8	0.6	0.7	0.06	0.06	0.07	0.07	0.07	0.07	2.5	
28	7.530	7.374	49	112	0.7	0.7	0.8	0.8	0.6	0.7	0.07	0.07	0.08	0.07	0.07	0.07	2.7	
29	9.440	8.338	57	114	0.8	0.8	1.0	0.9	0.7	0.8	0.06	0.07	0.07	0.07	0.08	0.08	2.7	
30	9.840	7.590	58	115	1.0	1.1	1.2	1.0	X	1.3	0.09	0.08	0.08	0.07	0.07	0.06	2.7	
31	9.200	7.631	60	116	1.3	1.2	1.6	1.4	1.4	X	0.06	0.07	0.08	0.06	0.06	0.06	2.3	
Total	247.040	211.109	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.															
Avg	7.969	6.810																
Max	10.890	8.870																
Min	5.450	4.950																

SUBMITTED BY: _____ Certificate No. and Grade: WO0004220 A Date: June 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: May Year: 2006

PERFORMANCE DATA																				
Date	INDIVIDUAL FILTER TURBIDITY																			
	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	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs
1	0.08	X	0.07	X	0.08	0.06	0.07	X	0.09	X	0.07	0.07								
2	0.07	X	0.06	X	0.08	X	0.06	X	0.07	X	0.15	X								
3	0.10	X	0.09	0.07	0.06	X	0.07	X	0.06	X	0.13	X								
4	0.11	0.09	0.10	X	0.06	X	0.06	0.06	0.09	X	0.11	X								
5	0.10	X	0.08	X	0.06	0.06	0.10	X	0.20	0.07	0.07	X								
6	0.09	X	0.08	X	0.08	X	0.08	X	0.10	X	0.08	X								
7	0.10	X	0.07	X	0.10	X	0.09	X	0.12	X	0.19	0.13								
8	0.14	0.10	0.10	0.09	0.10	X	0.07	X	0.11	X	0.29	X								
9	0.11	X	0.10	X	0.07	X	0.07	0.06	0.06	X	0.09	X								
10	0.09	X	0.08	X	0.06	X	0.09	X	0.09	0.07	0.08	X								
11	0.09	X	0.09	X	0.07	0.07	0.09	X	0.11	X	0.09	X								
12	0.10	X	0.11	0.08	0.12	X	0.09	X	0.09	X	0.13	0.13								
13	0.10	0.09	0.15	X	0.10	X	0.10	X	0.15	X	0.13	X								
14	0.17	X	0.13	X	0.11	X	0.13	0.13	0.12	X	0.12	X								
15	0.73	X	0.26	0.26	0.16	0.15	0.15	X	0.16	0.13	0.19	0.17								
16	0.20	0.18	0.14	X	0.12	X	0.11	X	0.13	X	0.16	X								
17	0.14	X	0.16	0.12	0.16	0.11	0.09	X	0.10	X	0.12	X								
18	0.13	X	0.14	X	0.12	X	0.09	X	0.16	0.14	0.12	X								
19	0.26	0.19	0.12	X	0.13	X	0.15	0.13	0.14	X	0.18	0.16								
20	0.23	X	0.30	0.24	0.27	0.20	0.17	X	0.17	X	0.22	X								
21	0.22	X	0.26	X	0.26	X	0.29	0.19	0.33	0.25	0.26	0.19								
22	0.28	0.27	0.26	0.19	0.29	0.20	0.19	X	0.21	X	0.24	X								
23	0.40	X	0.41	X	0.46	X	0.32	X	0.29	0.15	0.36	X								
24	0.19	0.12	0.15	0.12	0.12	X	0.14	0.10	0.15	X	0.25	0.14								
25	0.14	X	0.13	X	0.14	0.10	0.14	X	0.10	X	0.12	X								
26	0.10	X	0.10	X	0.12	X	0.11	X	0.18	0.14	0.10	X								
27	0.11	X	0.12	X	0.11	X	0.10	X	0.18	X	0.18	0.15								
28	0.15	0.13	0.08	X	0.08	X	0.08	X	0.12	X	0.15	X								
29	0.12	X	0.14	0.12	0.13	0.12	0.12	0.11	0.08	X	0.11	X								
30	0.12	X	0.11	X	0.14	X	0.11	X	0.14	0.11	0.10	X								
31	0.15	X	0.11	X	0.08	X	0.08	X	0.11	X	0.09	X								
SUMMARY & COMPLIANCE ACTIONS	Criteria								Filter No.										Plant	
	Number of days with event(s) above 0.5 NTU at 4.0 hrs this month								1	2	3	4	5	6	7	8	9	10		
	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: June 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

PLANT NAME

OR NUMBER: Navarro Mills

PWS ID No.: 1750002

Month: May 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	2.9	9.700	22.0	7.5				
	CLA D3	3.3	9.700	23.0	7.6				
	D4								
	D5								
2	NA D1								
	FCL D2	2.5	9.200	25.0	7.5				
	CLA D3	3.7	9.200	23.0	7.6				
	D4								
	D5								
3	NA D1								
	FCL D2	2.7	9.300	23.0	7.5				
	CLA D3	3.3	9.300	24.0	7.6				
	D4								
	D5								
4	NA D1								
	FCL D2	2.7	9.200	24.0	7.4				
	CLA D3	3.4	9.200	24.0	7.5				
	D4								
	D5								
5	NA D1								
	FCL D2	2.9	9.300	24.0	7.5				
	CLA D3	3.2	9.300	24.0	7.5				
	D4								
	D5								
6	NA D1								
	FCL D2	2.8	9.500	24.0	7.5				
	CLA D3	3.1	9.500	24.0	7.6				
	D4								
	D5								
7	NA D1								
	FCL D2	2.9	9.800	23.0	7.5				
	CLA D3	2.8	9.800	24.0	7.6				
	D4								
	D5								
8	NA D1								
	FCL D2	2.7	9.800	23.0	7.5				
	CLA D3	3.2	9.800	24.0	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	2.4	9.500	24.0	7.4				
	CLA D3	3.2	9.500	24.0	7.5				
	D4								
	D5								
10	NA D1								
	FCL D2	2.4	9.400	24.0	7.4				
	CLA D3	3.0	9.400	25.0	7.5				
	D4								
	D5								
11	NA D1								
	FCL D2	2.5	9.400	23.0	7.4				
	CLA D3	3.2	9.400	25.0	7.5				
	D4								
	D5								
12	NA D1								
	FCL D2	3.1	9.500	25.0	7.5				
	CLA D3	3.6	9.500	25.0	7.5				
	D4								
	D5								
13	NA D1								
	FCL D2	2.5	12.700	25.0	7.5				
	CLA D3	3.0	12.700	25.0	7.5				
	D4								
	D5								
14	NA D1								
	FCL D2	2.7	9.200	26.0	7.5				
	CLA D3	2.8	9.200	26.0	7.6				
	D4								
	D5								
15	NA D1								
	FCL D2	2.3	9.500	24.0	7.5				
	CLA D3	2.8	9.500	25.0	7.6				
	D4								
	D5								
16	NA D1								
	FCL D2	2.0	9.400	24.0	7.5				
	CLA D3	2.6	9.400	24.0	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: June 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 (cont.)

PUBLIC WATER SYSTEM NAME: <u>City of Corsicana</u> PWS ID No.: <u>1750002</u>	PLANT NAME OR NUMBER: <u>Navarro Mills</u> Month: <u>May</u> Year: <u>2006</u>
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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	2.4	9.300	24.0	7.5				
	CLA D3	3.0	9.300	24.0	7.5				
	D4								
	D5								
18	NA D1								
	FCL D2	2.9	9.200	24.0	7.4				
	CLA D3	2.9	9.200	24.0	7.5				
	D4								
	D5								
19	NA D1								
	FCL D2	2.3	9.000	23.0	7.4				
	CLA D3	3.4	9.000	23.0	7.4				
	D4								
	D5								
20	NA D1								
	FCL D2	2.1	9.300	25.0	7.4				
	CLA D3	3.2	9.300	25.0	7.5				
	D4								
	D5								
21	NA D1								
	FCL D2	2.2	9.500	25.0	7.4				
	CLA D3	2.8	9.500	26.0	7.5				
	D4								
	D5								
22	NA D1								
	FCL D2	2.2	9.800	25.0	7.4				
	CLA D3	3.0	9.800	26.0	7.5				
	D4								
	D5								
23	NA D1								
	FCL D2	3.2	13.000	26.0	7.3				
	CLA D3	3.1	13.000	26.0	7.4				
	D4								
	D5								
24	NA D1								
	FCL D2	2.0	12.700	26.0	7.4				
	CLA D3	3.2	12.700	26.0	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	2.9	12.800	26.0	7.3				
	CLA D3	3.0	12.800	26.0	7.5				
	D4								
	D5								
26	NA D1								
	FCL D2	2.3	9.400	27.0	7.4				
	CLA D3	3.2	9.400	27.0	7.5				
	D4								
	D5								
27	NA D1								
	FCL D2	2.8	13.400	26.0	7.4				
	CLA D3	2.9	13.400	27.0	7.5				
	D4								
	D5								
28	NA D1								
	FCL D2	2.8	9.400	27.0	7.4				
	CLA D3	2.8	9.400	28.0	7.5				
	D4								
	D5								
29	NA D1								
	FCL D2	2.5	9.300	26.0	7.4				
	CLA D3	3.0	9.300	27.0	7.5				
	D4								
	D5								
30	NA D1								
	FCL D2	2.0	12.900	26.0	7.3				
	CLA D3	2.7	12.900	26.0	7.4				
	D4								
	D5								
31	NA D1								
	FCL D2	2.6	13.200	26.0	7.4				
	CLA D3	2.7	13.200	27.0	7.5				
	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: <u>WO0004220 A</u>	Date: <u>June 2, 2006</u>
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