

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 2008</u>	Operator's Signature: _____ Certificate No. & Grade: <u>WO0004220 A</u> Date: <u>June 3, 2008</u>

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	177	Number of 4-hour periods when plant was off-line:	9
Number of readings above 0.10 NTU:	66	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:	0.26 NTU	Average turbidity value:
	Minimum turbidity reading:	0.05 NTU	0.11 NTU
		Average turbidity value:	0.11 NTU
		Standard deviation:	0.050 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 checked="" type="radio"/> Free Chlorine <input 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 checked="" type="radio"/> Free Chlorine <input 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:	2.27		
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: May 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	Alk.	Basin No.						Turbidity						Lowest Residual	Time
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6		
1	5.930	4.548	26	130	0.6	0.7	0.8	0.8	0.8	0.7	0.16	0.14	0.10	0.11	0.11	0.11	2.9	
2	5.520	4.683	31	130	0.5	0.7	0.6	0.6	0.7	0.6	0.21	0.16	0.11	0.12	0.10	0.09	2.6	
3	5.460	4.479	35	131	0.4	0.4	0.4	0.3	0.4	0.3	0.13	0.12	0.10	0.10	0.09	0.09	2.8	
4	5.310	4.633	38	132	0.5	0.4	0.4	0.4	0.4	0.4	0.10	0.10	0.10	0.15	0.08	0.08	2.9	
5	6.060	4.633	46	129	X	0.6	0.5	0.6	0.6	0.6	X	X	0.07	0.08	0.10	0.15	2.9	
6	7.010	4.282	53	134	0.7	X	X	0.8	0.6	0.8	X	X	0.07	0.08	0.07	0.07	2.2	
7	7.010	4.683	42	131	0.6	0.7	0.6	X	X	0.6	X	0.09	0.06	0.07	0.06	0.06	2.3	
8	6.210	4.799	47	136	0.5	0.6	0.6	0.6	1.0	X	X	X	0.07	0.06	0.06	0.06	2.8	
9	5.220	4.601	44	132	0.4	0.5	0.4	0.4	0.4	0.5	0.06	0.10	0.06	0.07	0.05	0.05	2.8	
10	5.170	4.416	43	132	0.3	0.3	0.4	0.3	0.3	0.3	0.09	0.07	0.06	0.07	0.08	0.08	2.6	
11	5.070	4.266	40	132	0.5	0.6	0.5	0.5	0.4	0.4	0.09	0.08	0.07	0.07	0.09	0.12	2.7	
12	6.070	4.555	40	132	0.4	0.4	0.5	0.4	0.3	0.3	0.12	0.12	0.06	0.06	0.07	0.10	2.6	
13	5.680	4.231	42	131	0.5	0.5	0.5	0.4	0.4	0.4	0.09	0.09	0.07	0.07	0.07	0.07	2.7	
14	5.290	4.926	41	128	0.5	0.4	0.5	0.5	0.4	0.4	0.07	0.07	0.07	0.09	0.08	0.13	1.1	
15	5.660	2.330	40	132	0.4	0.5	0.5	0.5	0.4	0.4	0.07	0.09	0.07	0.07	0.07	0.07	2.0	
16	5.050	4.650	31	130	0.3	0.4	0.4	0.4	0.3	0.4	0.08	0.07	0.07	0.08	0.07	0.07	2.5	
17	5.760	4.674	28	132	0.3	0.4	0.4	0.5	0.3	0.4	0.08	0.07	0.07	0.07	0.10	0.09	2.6	
18	5.130	4.812	26	130	0.4	0.4	0.5	0.4	0.3	0.4	0.08	X	0.06	0.06	0.09	0.11	2.7	
19	5.830	4.336	26	126	0.3	0.3	0.4	0.3	0.3	0.4	0.09	0.10	0.08	0.07	0.08	0.09	2.8	
20	5.720	4.660	24	127	0.3	0.5	0.5	0.4	0.3	0.4	0.08	0.07	0.08	0.07	0.08	0.08	3.0	
21	5.620	4.827	26	123	0.5	0.6	0.6	0.5	0.5	0.5	0.10	0.11	0.08	0.09	0.09	0.08	3.0	
22	7.240	5.499	36	125	0.6	0.7	0.7	0.6	0.5	0.7	0.10	0.10	0.11	0.12	0.11	0.11	2.8	
23	6.820	5.927	34	126	0.6	0.6	0.8	0.6	0.7	0.6	0.10	0.09	0.10	0.11	0.10	0.10	2.8	
24	5.540	5.019	32	126	0.5	0.6	0.7	0.6	0.5	0.5	0.12	0.10	0.10	0.09	0.11	0.11	3.0	
25	7.780	6.246	28	123	0.7	0.8	0.7	0.6	0.6	0.6	0.12	0.11	0.09	0.10	0.13	0.13	2.7	
26	7.180	6.017	35	122	0.8	0.8	0.8	0.7	0.7	0.8	0.13	0.13	0.11	0.11	0.17	0.15	2.6	
27	7.620	5.441	33	118	1.3	1.5	1.2	1.4	0.9	0.9	0.20	0.19	0.19	0.19	0.21	0.23	2.7	
28	7.160	6.116	33	119	1.1	1.0	1.2	1.0	0.8	0.9	0.23	0.26	0.22	0.23	0.22	0.21	2.5	
29	7.080	5.164	39	121	0.6	1.1	0.9	0.8	0.6	0.8	0.22	X	0.23	0.21	0.22	0.23	2.8	
30	8.290	7.475	32	120	0.7	0.7	0.8	0.7	0.7	0.8	0.25	0.23	0.19	0.18	0.18	0.17	2.7	
31	5.250	5.137	28	115	0.5	0.9	0.7	0.7	0.6	0.6	0.19	0.20	0.16	0.19	0.21	0.20	2.7	
Total	189.740	152.065																
Avg	6.121	4.905																
Max	8.290	7.475																
Min	5.050	2.330																

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: June 3, 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: May 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	0.15	X	0.11	X	0.16	0.12	X	X	0.13	X								
2	X	X	0.11	X	X	X	0.11	X	0.13	X	X	X								
3	X	X	0.08	X	X	X	0.08	X	0.09	X	X	X								
4	0.20	0.15	0.08	X	X	X	0.07	X	0.08	X	X	X								
5	0.14	X	0.18	X	0.11	0.11	0.25	X	0.22	X	X	X								
6	0.11	X	0.09	X	0.07	X	X	X	X	X	0.11	0.09								
7	0.09	X	0.07	X	0.06	X	X	X	X	X	0.08	X								
8	0.09	X	0.07	X	0.06	X	X	X	X	X	0.08	X								
9	0.14	0.12	0.07	X	0.05	X	X	X	X	X	0.07	X								
10	0.12	X	0.06	X	0.13	0.08	X	X	0.16	0.11	0.48	X								
11	0.11	X	X	X	0.07	X	X	X	0.10	X	X	X								
12	0.10	X	0.11	0.09	0.07	X	X	X	0.08	X	X	X								
13	0.10	X	0.09	X	0.06	X	X	X	0.07	X	X	X								
14	X	X	0.08	X	X	X	0.10	X	0.28	X	0.11	0.11								
15	X	X	0.07	X	X	X	0.07	X	X	X	0.09	X								
16	0.15	0.12	0.07	X	X	X	0.08	X	X	X	0.08	X								
17	0.11	X	X	X	X	X	0.07	X	X	X	0.08	X								
18	0.11	X	0.15	0.12	X	X	0.06	X	0.14	0.11	0.12	X								
19	0.10	X	0.09	X	X	X	X	X	0.09	X	X	X								
20	0.11	X	0.11	X	0.13	0.13	X	X	0.10	X	X	X								
21	X	X	0.11	X	0.12	X	X	X	0.11	X	X	X								
22	0.33	0.17	0.11	X	0.11	X	0.14	0.13	0.71	X	0.18	0.15								
23	0.15	X	X	X	0.11	X	0.13	X	X	X	0.17	X								
24	0.15	X	X	X	0.09	X	0.12	X	X	X	0.13	X								
25	0.15	X	0.16	0.15	0.15	X	0.11	X	X	X	0.12	X								
26	0.37	0.29	0.23	X	0.20	X	0.25	0.23	0.24	0.16	0.13	X								
27	0.29	X	0.32	0.28	0.31	X	0.29	X	0.37	0.26	0.30	X								
28	0.42	0.37	0.31	X	0.25	X	0.56	0.27	0.31	X	X	X								
29	0.41	X	0.30	X	0.38	0.17	0.30	X	0.26	X	0.22	0.20								
30	0.27	X	X	X	0.27	X	0.20	X	0.22	X	0.32	X								
31	0.32	X	0.34	0.14	0.39	X	0.18	X	X	X	0.30	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: June 3, 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: May 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									
Date	DISINFECTION PROCESS DATA								
	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time _{min}
1	NA D1								
	FCL D2	2.5	6.000	22.0	8.0				
	CLA D3	3.4	6.000	22.0	8.1				
	D4								
	D5								
2	NA D1								
	FCL D2	2.2	5.600	22.0	7.6				
	CLA D3	2.7	5.600	22.0	7.9				
	D4								
	D5								
3	NA D1								
	FCL D2	3.0	5.500	21.0	7.3				
	CLA D3	3.4	5.500	22.0	7.3				
	D4								
	D5								
4	NA D1								
	FCL D2	2.7	5.300	22.0	7.3				
	CLA D3	3.0	5.300	22.0	7.3				
	D4								
	D5								
5	NA D1								
	FCL D2	1.5	9.300	21.0	7.3				
	CLA D3	3.5	9.300	22.0	7.4				
	D4								
	D5								
6	NA D1								
	FCL D2	2.0	9.300	21.0	7.5				
	CLA D3	3.1	9.300	21.0	7.3				
	D4								
	D5								
7	NA D1								
	FCL D2	2.2	9.400	22.0	7.8				
	CLA D3	3.0	9.400	21.0	7.3				
	D4								
	D5								
8	NA D1								
	FCL D2	2.2	9.300	21.0	7.6				
	CLA D3	3.1	9.300	22.0	7.7				
	D4								
	D5								

PERFORMANCE DATA									
Date	DISINFECTION PROCESS DATA								
	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time _{min}
9	NA D1								
	FCL D2	2.7	5.200	21.0	7.3				
	CLA D3	2.9	5.200	22.0	7.3				
	D4								
	D5								
10	NA D1								
	FCL D2	2.8	5.300	23.0	7.5				
	CLA D3	2.8	5.300	23.0	7.5				
	D4								
	D5								
11	NA D1								
	FCL D2	2.7	5.100	22.0	7.5				
	CLA D3	2.9	5.100	23.0	7.6				
	D4								
	D5								
12	NA D1								
	FCL D2	3.3	9.500	22.0	7.4				
	CLA D3	2.7	9.500	23.0	7.4				
	D4								
	D5								
13	NA D1								
	FCL D2	3.2	9.400	22.0	7.4				
	CLA D3	2.7	9.400	23.0	7.4				
	D4								
	D5								
14	NA D1								
	FCL D2	2.7	5.500	22.0	7.3				
	CLA D3	1.1	5.300	23.0	7.3				
	D4								
	D5								
15	NA D1								
	FCL D2	2.4	5.600	22.0	7.3				
	CLA D3	2.0	5.600	23.0	7.4				
	D4								
	D5								
16	NA D1								
	FCL D2	2.6	5.800	23.0	7.5				
	CLA D3	2.9	5.800	23.0	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: WO0004220 A Date: June 3, 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: May 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	2.7	5.800	23.0	7.5				
	CLA D3	2.8	5.800	23.0	7.5				
	D4								
	D5								
18	NA D1								
	FCL D2	2.5	5.900	23.0	7.5				
	CLA D3	2.8	5.900	23.0	7.5				
	D4								
	D5								
19	NA D1								
	FCL D2	2.7	5.900	24.0	7.6				
	CLA D3	3.1	5.900	24.0	7.6				
	D4								
	D5								
20	NA D1								
	FCL D2	2.7	5.700	25.0	7.5				
	CLA D3	3.1	5.700	25.0	7.6				
	D4								
	D5								
21	NA D1								
	FCL D2	2.7	5.600	25.0	7.5				
	CLA D3	3.1	5.600	25.0	7.6				
	D4								
	D5								
22	NA D1								
	FCL D2	2.7	9.700	25.0	7.5				
	CLA D3	2.9	9.700	25.0	7.6				
	D4								
	D5								
23	NA D1								
	FCL D2	3.1	9.800	25.0	7.7				
	CLA D3	3.0	9.800	25.0	7.9				
	D4								
	D5								
24	NA D1								
	FCL D2	3.0	5.600	25.0	7.4				
	CLA D3	3.2	5.600	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
25	NA D1								
	FCL D2	2.2	9.700	26.0	7.5				
	CLA D3	3.1	9.700	26.0	7.5				
	D4								
	D5								
26	NA D1								
	FCL D2	2.3	9.700	26.0	7.5				
	CLA D3	2.7	9.300	26.0	7.6				
	D4								
	D5								
27	NA D1								
	FCL D2	2.6	9.600	26.0	7.5				
	CLA D3	3.1	9.600	27.0	7.4				
	D4								
	D5								
28	NA D1								
	FCL D2	2.6	9.800	26.0	7.5				
	CLA D3	2.6	9.800	26.0	7.4				
	D4								
	D5								
29	NA D1								
	FCL D2	2.8	9.600	26.0	7.6				
	CLA D3	2.9	9.600	26.0	7.5				
	D4								
	D5								
30	NA D1								
	FCL D2	2.7	9.500	27.0	7.4				
	CLA D3	3.0	9.500	27.0	7.4				
	D4								
	D5								
31	NA D1								
	FCL D2	2.6	5.300	27.0	7.5				
	CLA D3	2.8	5.300	27.0	7.7				
	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: June 3, 2008