

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 2007</u>	Operator's Signature: _____ Certificate No. & Grade: <u>WO0004220 A</u> Date: <u>May 1, 2007</u>

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	166	Number of 4-hour periods when plant was off-line:	14
Number of readings above 0.10 NTU:	107	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:	0.13 NTU
	Minimum turbidity reading:	Standard deviation:	0.038 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: 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: 60	Percentage of readings with a low residual this month:		0.0 % (6A)
Average disinfectant residual value: 2.38	Percentage of readings with a low residual last month:		0.0 % (6B)
Number of readings with a low residual: 0			
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: April 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	Alk.	Basin No.						Turbidity						Lowest Residual	Time
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6		
1	3.700	3.045	306	91	3.3	3.9	3.9	3.3	4.3	3.6	X	X	X	0.11	0.11	0.10	2.9	
2	3.530	2.892	177	81	3.7	4.3	4.3	4.0	4.5	4.6	X	X	X	0.12	0.13	0.15	3.1	
3	4.580	4.257	177	91	2.9	3.2	3.2	3.6	3.6	3.6	0.14	0.15	X	0.16	0.15	0.15	3.0	
4	5.783	3.903	146	84	2.4	2.8	3.0	2.8	3.0	2.9	0.15	0.15	0.15	0.15	0.22	0.20	2.9	
5	4.830	4.157	108	83	2.2	2.3	3.1	2.7	2.7	2.6	0.22	0.22	0.15	0.13	0.14	0.14	2.7	
6	4.810	3.802	107	82	2.0	2.0	2.2	2.2	2.3	2.2	0.14	0.13	0.11	0.11	0.08	0.08	2.6	
7	4.840	3.671	97	84	1.7	1.9	2.2	2.1	2.0	1.9	0.10	0.09	0.08	0.09	0.10	0.09	2.9	
8	4.830	3.561	90	84	1.5	1.7	1.8	1.7	1.5	1.6	0.10	0.10	0.10	0.09	0.09	0.10	3.0	
9	4.790	3.488	88	84	1.3	1.4	1.8	1.5	1.4	1.4	0.09	0.09	0.10	0.11	0.12	0.14	3.0	
10	4.760	3.465	77	85	1.8	2.0	1.9	1.8	1.8	1.7	0.12	0.11	0.17	0.17	0.13	0.12	2.9	
11	4.720	4.129	77	85	1.2	1.3	1.7	1.6	1.4	1.2	0.11	0.11	0.11	0.12	0.11	0.10	2.8	
12	4.670	3.982	111	85	1.3	1.6	1.8	1.6	1.5	1.5	0.10	0.10	0.11	0.10	0.10	0.10	2.9	
13	4.630	3.283	67	85	1.5	1.7	2.1	1.7	1.8	1.6	0.10	0.10	0.11	0.12	0.09	0.09	3.1	
14	3.140	3.160	67	85	1.4	1.5	1.7	1.9	1.6	1.7	X	X	X	0.08	0.10	0.10	2.9	
15	4.710	3.626	65	86	1.5	1.5	1.7	1.8	1.6	1.7	0.14	0.13	0.12	0.13	0.12	0.10	2.8	
16	6.370	4.557	64	86	1.4	1.5	2.2	1.6	1.7	1.5	0.10	0.11	0.10	0.15	0.18	0.16	2.7	
17	4.670	3.916	56	90	2.5	2.6	2.7	2.7	2.5	2.6	0.18	0.22	0.22	0.19	0.22	0.21	3.0	
18	4.600	3.708	53	89	1.4	1.5	1.8	1.5	1.5	1.4	0.22	0.19	0.15	0.15	0.15	0.15	3.0	
19	6.650	4.722	53	92	1.2	1.4	1.7	1.5	1.3	1.3	0.17	0.15	0.23	0.22	0.17	0.22	2.8	
20	4.520	3.797	49	91	1.9	2.1	1.8	2.5	1.9	1.7	X	X	X	0.22	0.23	0.23	3.0	
21	6.220	4.631	47	90	1.3	1.3	1.5	1.5	1.4	1.4	0.18	0.16	0.16	0.16	0.16	0.14	3.0	
22	6.410	5.163	44	90	1.3	1.3	1.5	1.4	1.3	1.2	0.12	0.11	0.11	0.10	0.12	0.11	2.9	
23	5.850	5.013	43	93	1.1	1.2	1.4	1.3	1.2	1.0	0.11	0.10	0.09	0.09	0.11	0.09	3.0	
24	6.130	4.839	43	92	1.3	1.4	1.7	1.5	1.3	1.2	0.08	0.08	0.10	0.10	0.10	0.10	3.0	
25	6.030	4.730	45	94	1.0	1.1	1.3	1.3	1.1	1.1	0.11	0.11	0.11	0.11	0.12	0.11	2.8	
26	5.900	4.590	45	102	0.9	1.0	1.2	1.2	0.9	0.9	0.11	0.10	0.11	0.10	0.09	0.09	2.8	
27	5.790	4.642	43	101	0.9	0.8	1.0	0.9	1.0	0.9	0.10	0.09	0.11	0.11	0.09	0.09	2.8	
28	4.730	4.366	42	101	0.9	0.9	1.1	1.0	0.9	0.9	0.11	X	0.09	0.10	0.12	0.11	2.8	
29	5.540	4.420	43	100	0.9	1.0	1.1	1.0	0.9	0.9	0.12	0.12	0.10	0.11	0.12	0.13	0.5	
30	6.000	4.522	42	100	1.0	1.0	1.3	1.2	1.1	1.0	0.13	0.12	0.10	0.09	0.10	0.11	2.2	
31																		
Total	153.733	122.037																
Avg	5.124	4.068																
Max	6.650	5.163																
Min	3.140	2.892																

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 1, 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: April 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	0.31	X	X	X	0.16	X	0.37	0.34	0.13	X	0.45	X								
2	0.91	X	0.47	0.29	0.53	X	0.40	X	0.29	X	X	X								
3	0.98	0.19	0.29	X	0.86	X	0.43	X	0.15	X	0.26	0.25								
4	0.31	X	0.28	X	0.66	X	0.90	X	0.71	X	0.24	X								
5	0.26	X	0.90	X	0.36	0.14	0.59	X	0.34	0.22	0.21	X								
6	0.25	X	0.78	X	0.39	X	0.59	X	0.42	X	0.27	X								
7	0.62	X	0.22	0.15	0.33	X	0.19	0.15	0.11	X	0.26	X								
8	0.23	X	0.13	X	0.15	X	0.15	X	0.08	X	X	X								
9	0.46	X	0.46	X	0.80	X	0.13	X	0.20	X	0.16	0.15								
10	0.24	0.17	0.41	X	X	X	0.15	X	0.15	X	0.16	X								
11	0.18	X	0.35	X	0.21	0.15	0.23	X	0.19	0.15	0.15	X								
12	0.23	X	0.22	0.19	0.24	X	0.10	X	0.16	X	0.17	X								
13	0.20	X	0.22	X	0.39	X	X	X	0.12	X	0.11	X								
14	0.24	X	0.18	X	0.27	X	0.24	0.23	0.24	X	0.57	X								
15	0.17	X	0.84	X	0.14	X	0.21	X	0.19	X	0.33	0.23								
16	0.29	0.20	0.48	X	0.25	0.17	0.43	X	0.64	X	0.37	X								
17	0.19	X	X	X	0.22	X	0.63	X	X	X	0.13	X								
18	0.36	X	X	X	0.11	X	0.36	X	X	X	0.18	X								
19	0.37	X	0.21	0.21	0.71	X	0.28	0.11	0.21	0.18	0.90	X								
20	0.64	X	0.13	X	0.37	X	0.14	X	0.13	X	X	X								
21	0.32	0.13	0.22	X	0.61	X	0.11	X	0.15	X	0.14	0.12								
22	0.31	X	0.16	X	X	X	0.08	X	0.09	X	0.12	X								
23	0.13	X	0.27	X	X	X	0.11	X	0.13	X	0.12	X								
24	0.36	X	0.18	0.16	0.18	0.17	0.42	X	X	X	0.18	X								
25	0.99	X	0.17	X	0.26	X	X	X	0.16	0.16	0.12	X								
26	X	X	0.15	X	0.18	X	0.13	0.13	0.16	X	X	X								
27	X	X	0.18	X	0.20	X	0.11	X	0.13	X	X	X								
28	0.16	0.15	0.95	X	0.45	0.13	0.12	X	0.12	X	X	X								
29	0.15	X	0.53	X	0.15	X	0.31	X	0.13	X	X	X								
30	0.19	X	X	X	0.15	X	0.22	X	0.11	X	0.19	0.18								
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 1, 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: April 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									
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	3.1	6.500	21.0	7.4				
	CLA D3	2.9	6.500	21.0	7.6				
	D4								
	D5								
2	NA D1								
	FCL D2	2.8	6.200	21.0	7.3				
	CLA D3	3.2	6.200	21.0	7.5				
	D4								
	D5								
3	NA D1								
	FCL D2	2.6	6.200	21.0	7.3				
	CLA D3	3.2	6.200	21.0	7.5				
	D4								
	D5								
4	NA D1								
	FCL D2	2.6	6.200	20.0	7.3				
	CLA D3	3.3	6.200	21.0	7.5				
	D4								
	D5								
5	NA D1								
	FCL D2	2.5	4.800	20.0	7.5				
	CLA D3	2.9	4.800	20.0	7.7				
	D4								
	D5								
6	NA D1								
	FCL D2	2.5	4.800	20.0	7.7				
	CLA D3	3.2	4.800	20.0	8.0				
	D4								
	D5								
7	NA D1								
	FCL D2	2.8	4.800	19.0	7.8				
	CLA D3	3.3	4.800	19.0	8.4				
	D4								
	D5								
8	NA D1								
	FCL D2	2.7	4.800	17.0	7.5				
	CLA D3	3.3	4.800	18.0	7.9				
	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	2.3	4.900	17.0	7.3				
	CLA D3	3.1	4.900	18.0	7.6				
	D4								
	D5								
10	NA D1								
	FCL D2	2.4	4.800	18.0	7.4				
	CLA D3	3.1	4.800	18.0	7.6				
	D4								
	D5								
11	NA D1								
	FCL D2	2.4	4.700	18.0	7.4				
	CLA D3	2.9	4.700	18.0	7.6				
	D4								
	D5								
12	NA D1								
	FCL D2	2.7	4.600	18.0	7.4				
	CLA D3	3.3	4.600	18.0	7.5				
	D4								
	D5								
13	NA D1								
	FCL D2	2.7	4.600	19.0	7.5				
	CLA D3	3.3	4.600	19.0	7.7				
	D4								
	D5								
14	NA D1								
	FCL D2	2.5	4.900	17.0	7.5				
	CLA D3	3.1	4.900	18.0	7.7				
	D4								
	D5								
15	NA D1								
	FCL D2	2.3	4.700	17.0	7.6				
	CLA D3	2.9	4.700	18.0	7.8				
	D4								
	D5								
16	NA D1								
	FCL D2	2.8	7.400	18.0	7.5				
	CLA D3	3.1	7.400	18.0	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: May 1, 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: April 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	2.8	4.700	17.0	7.5				
	CLA D3	3.2	4.700	18.0	7.6				
	D4								
	D5								
18	NA D1								
	FCL D2	2.5	4.500	17.0	7.5				
	CLA D3	3.2	4.500	17.0	7.6				
	D4								
	D5								
19	NA D1								
	FCL D2	2.7	7.100	17.0	7.5				
	CLA D3	2.9	7.100	17.0	7.7				
	D4								
	D5								
20	NA D1								
	FCL D2	2.2	7.000	18.0	7.4				
	CLA D3	3.1	7.000	18.0	7.7				
	D4								
	D5								
21	NA D1								
	FCL D2	2.9	6.900	18.0	7.5				
	CLA D3	3.4	6.900	18.0	7.7				
	D4								
	D5								
22	NA D1								
	FCL D2	3.3	6.600	18.0	7.4				
	CLA D3	2.9	6.600	19.0	7.5				
	D4								
	D5								
23	NA D1								
	FCL D2	2.7	6.300	19.0	7.5				
	CLA D3	3.1	6.300	19.0	7.5				
	D4								
	D5								
24	NA D1								
	FCL D2	2.6	6.200	18.0	7.5				
	CLA D3	3.0	6.200	19.0	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
25	NA D1								
	FCL D2	3.0	6.200	19.0	7.5				
	CLA D3	3.0	6.200	19.0	7.7				
	D4								
	D5								
26	NA D1								
	FCL D2	2.4	5.900	20.0	7.5				
	CLA D3	3.2	5.900	20.0	7.7				
	D4								
	D5								
27	NA D1								
	FCL D2	2.5	5.700	19.0	7.6				
	CLA D3	3.2	5.700	20.0	7.6				
	D4								
	D5								
28	NA D1								
	FCL D2	2.7	6.000	20.0	7.5				
	CLA D3	3.1	6.000	20.0	7.7				
	D4								
	D5								
29	NA D1								
	FCL D2	2.8	6.100	22.0	7.5				
	CLA D3	0.6	6.100	21.0	7.5				
	D4								
	D5								
30	NA D1								
	FCL D2	2.8	6.100	21.0	7.5				
	CLA D3	2.8	6.100	22.0	7.8				
	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 1, 2007