

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>January 2009</u>	Operator's Signature: _____ Certificate No. & Grade: <u>WO0004220 A</u> Date: <u>February 4, 2009</u>

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	149	Number of 4-hour periods when plant was off-line:	37
Number of readings above 0.10 NTU:	4	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:	0.11 NTU	Average turbidity value:
	Minimum turbidity reading:	0.06 NTU	0.08 NTU
			Standard deviation:
			0.011 NTU
Additional report(s) for individual filter monitoring required:		<input checked="" 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:	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:	2.63	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: January Year: 2009

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	4.110	4.083	34	115	0.5	0.6	0.5	0.5	0.5	0.5	0.09	X	X	X	0.09	0.09	3.0	
2	6.600	5.217	33	116	0.5	0.5	0.5	0.4	0.5	0.5	0.09	0.09	0.09	0.08	0.08	0.07	2.9	
3	6.580	5.110	33	116	0.5	0.3	0.4	0.3	0.3	0.4	0.09	0.10	0.08	0.08	0.09	0.10	3.0	
4	4.950	4.560	35	116	0.4	0.4	0.5	0.4	0.4	0.4	X	X	0.07	0.08	0.09	0.09	3.0	
5	4.740	4.656	35	116	0.4	0.3	0.7	0.5	0.5	0.3	X	X	0.08	0.08	0.10	0.09	2.9	
6	6.670	4.838	33	116	0.5	0.5	0.6	0.5	0.5	0.4	0.09	0.09	0.08	0.08	0.10	0.08	2.9	
7	4.530	4.087	31	116	0.5	0.4	0.5	0.4	0.4	0.4	X	X	0.08	0.08	0.08	0.08	2.8	
8	4.650	4.684	28	115	0.4	0.4	0.4	0.5	0.5	0.4	0.10	X	X	0.09	0.09	0.09	3.0	
9	6.450	4.540	28	117	0.4	0.5	0.7	0.5	0.4	0.5	0.09	0.10	0.11	0.08	0.08	0.09	3.0	
10	4.830	4.715	31	115	0.5	0.6	0.5	0.7	0.7	0.6	X	X	0.07	0.09	0.09	0.08	3.0	
11	6.360	4.720	28	116	0.3	0.4	0.3	0.4	0.3	0.4	0.09	0.09	0.07	0.07	0.08	0.08	3.1	
12	4.010	3.806	39	119	0.3	0.3	0.3	0.3	0.4	0.3	X	X	0.08	0.08	0.10	0.09	3.1	
13	4.590	4.183	29	117	0.5	0.4	0.6	0.5	0.6	0.4	X	X	0.08	0.07	0.08	0.11	3.0	
14	6.410	4.584	29	117	0.4	0.5	0.5	0.4	0.4	0.4	0.10	0.09	0.08	0.09	0.08	0.08	3.1	
15	4.010	3.791	41	116	0.4	0.4	0.5	0.5	0.4	0.5	X	X	X	0.08	0.07	0.06	3.0	
16	6.340	5.113	43	112	0.3	0.4	0.5	0.4	0.4	0.4	0.07	0.07	0.07	0.07	0.06	0.06	3.0	
17	4.810	4.733	38	120	0.4	0.5	0.6	0.5	0.5	0.4	X	X	0.06	0.06	0.07	0.07	2.9	
18	6.360	4.516	39	120	0.4	0.5	0.4	0.4	0.4	0.4	0.08	0.11	0.06	0.07	0.08	0.07	2.9	
19	4.250	3.627	43	119	0.3	0.3	0.4	0.3	0.4	0.3	X	X	0.07	0.07	0.09	0.08	2.4	
20	5.510	5.085	41	119	0.3	0.4	0.5	0.4	0.4	0.4	0.07	0.08	0.07	0.07	0.07	0.07	2.6	
21	4.500	3.811	39	118	0.4	0.4	0.5	0.4	0.4	0.4	X	X	0.07	0.07	0.07	0.08	3.2	
22	6.410	5.160	38	120	0.4	0.4	0.5	0.5	0.5	0.4	0.08	0.08	0.09	0.11	0.09	0.08	3.1	
23	4.790	3.281	38	117	0.7	0.5	0.7	0.7	0.8	0.7	X	X	0.09	0.09	0.07	0.08	3.1	
24	6.400	5.308	37	120	0.4	0.5	0.6	0.5	0.5	0.4	0.10	0.10	0.09	0.08	0.09	0.09	2.8	
25	4.050	3.884	37	119	0.4	0.4	0.5	0.4	0.3	0.4	X	X	X	0.07	0.08	0.08	2.8	
26	6.400	5.697	36	121	0.3	0.4	0.4	0.5	0.5	0.4	0.08	0.09	0.07	0.08	0.07	0.10	2.7	
27	6.090	4.568	32	117	0.5	0.5	0.4	0.4	0.4	0.4	0.08	0.08	0.08	0.08	0.07	0.07	2.8	
28	4.300	4.463	22	118	0.3	0.3	0.3	0.3	0.3	0.3	X	X	X	0.07	0.07	0.07	3.0	
29	6.320	4.325	22	117	0.4	0.3	0.4	0.4	0.3	0.3	0.07	0.08	0.08	0.07	0.07	0.07	2.9	
30	4.130	4.035	20	117	0.3	0.5	0.4	0.3	0.3	0.5	X	X	X	0.07	0.07	0.07	3.1	
31	6.770	5.456	15	121	0.4	0.5	0.4	0.4	0.4	0.4	0.07	0.07	0.07	0.06	0.08	0.07	2.9	
Total	166.920	140.636																
Avg	5.385	4.537																
Max	6.770	5.697																
Min	4.010	3.281																

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: February 4, 2009

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: January Year: 2009

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	0.07	X	0.08	X	0.08	X	0.18	0.10	0.11	X	0.10	X								
2	0.18	0.09	0.08	X	0.09	X	0.10	X	0.09	X	0.28	0.12								
3	0.08	X	0.23	0.10	0.07	X	0.07	X	0.08	X	0.10	X								
4	0.08	X	0.10	X	X	X	0.08	X	0.08	X	0.10	X								
5	0.08	X	0.09	X	0.14	0.11	0.09	X	0.11	X	0.11	X								
6	0.08	X	0.08	X	0.09	X	0.21	0.09	0.30	0.11	0.09	X								
7	0.08	X	0.09	X	0.08	X	0.12	X	0.11	X	0.25	0.11								
8	0.18	0.08	0.09	X	0.08	X	0.09	X	0.09	X	0.12	X								
9	0.12	X	X	X	0.07	X	0.07	X	0.11	X	0.09	X								
10	0.08	X	0.16	0.13	0.07	X	0.07	X	0.08	X	0.09	X								
11	0.07	X	0.09	X	0.17	0.09	0.06	X	0.25	0.09	0.08	X								
12	0.07	X	0.09	X	0.10	X	0.20	0.09	0.12	X	0.10	X								
13	0.07	X	0.09	X	0.09	X	0.11	X	0.10	X	0.19	0.11								
14	0.22	0.12	0.08	X	0.08	X	0.08	X	0.10	X	0.11	X								
15	0.10	X	X	X	0.07	X	0.08	X	0.08	X	0.11	X								
16	0.08	X	X	X	0.07	X	0.07	X	0.08	X	0.09	X								
17	0.07	X	0.15	0.12	0.23	0.09	0.07	X	0.33	0.11	0.10	X								
18	0.07	X	0.09	X	0.09	X	0.19	0.09	0.17	X	0.08	X								
19	0.07	X	0.09	X	0.08	X	0.10	X	0.09	X	0.25	0.12								
20	X	X	0.09	X	0.08	X	0.08	X	0.09	X	0.11	X								
21	0.20	0.11	0.08	X	0.08	X	0.09	X	0.25	0.12	0.11	X								
22	0.09	X	0.20	0.11	0.07	X	0.08	X	0.10	X	0.10	X								
23	0.52	X	0.21	X	0.15	0.12	0.25	0.10	0.36	0.11	0.31	0.12								
24	0.14	X	X	X	0.09	X	0.09	X	0.11	X	0.11	X								
25	0.13	X	X	X	0.08	X	0.09	X	0.10	X	0.11	X								
26	0.12	X	0.14	0.11	0.08	X	0.08	X	0.09	X	0.10	X								
27	0.36	0.14	0.10	X	0.33	0.14	0.07	X	0.08	X	0.09	X								
28	0.17	0.15	0.09	X	0.12	X	0.21	0.10	0.17	X	0.32	0.11								
29	0.12	X	0.08	X	0.08	X	0.09	X	X	X	0.11	X								
30	0.12	X	0.08	X	0.08	X	0.08	X	X	X	0.10	X								
31	0.11	X	0.08	X	0.08	X	0.08	X	0.17	0.10	0.10	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											0
	Number of days with event(s) above 1.0 NTU this month											0
	Number of days with event(s) above 1.0 NTU last month											0
	Number of days with event(s) above 1.0 NTU two months ago											0
	Total number of days with event(s) above 1.0 NTU in three months											0
	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?											N	
Is the plant required to submit a Filter Assessment Report?											N	
Is the plant required to submit a Request for Compliance CPE?											N	

SUBMITTED BY: _____ Certificate No. and Grade: WO0004220 A Date: February 4, 2009

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: January Year: 2009

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 _{min}
1	NA D1								
	FCL D2	2.7	6.700	12.0	7.6				
	CLA D3	3.1	6.700	13.0	7.6				
	D4								
	D5								
2	NA D1								
	FCL D2	3.0	6.800	13.0	7.6				
	CLA D3	3.1	6.800	12.0	7.6				
	D4								
	D5								
3	NA D1								
	FCL D2	2.9	6.900	13.0	7.7				
	CLA D3	3.2	6.900	13.0	7.7				
	D4								
	D5								
4	NA D1								
	FCL D2	3.0	6.700	12.0	7.6				
	CLA D3	3.0	6.700	13.0	7.7				
	D4								
	D5								
5	NA D1								
	FCL D2	3.0	6.800	12.0	7.6				
	CLA D3	3.0	6.800	13.0	7.7				
	D4								
	D5								
6	NA D1								
	FCL D2	2.9	6.800	12.0	7.7				
	CLA D3	2.9	6.800	12.0	7.7				
	D4								
	D5								
7	NA D1								
	FCL D2	3.0	6.600	11.0	7.6				
	CLA D3	3.0	6.600	12.0	7.7				
	D4								
	D5								
8	NA D1								
	FCL D2	2.9	6.500	11.0	7.6				
	CLA D3	3.0	6.500	12.0	7.7				
	D4								
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time _{min}
9	NA D1								
	FCL D2	3.0	6.600	13.0	7.7				
	CLA D3	3.0	6.600	12.0	7.7				
	D4								
	D5								
10	NA D1								
	FCL D2	3.0	6.600	12.0	7.7				
	CLA D3	3.0	6.600	13.0	7.7				
	D4								
	D5								
11	NA D1								
	FCL D2	3.3	6.500	11.0	7.7				
	CLA D3	3.1	6.500	12.0	7.7				
	D4								
	D5								
12	NA D1								
	FCL D2	3.2	6.500	11.0	7.6				
	CLA D3	3.1	6.500	12.0	7.7				
	D4								
	D5								
13	NA D1								
	FCL D2	3.2	6.600	11.0	7.7				
	CLA D3	3.1	6.600	12.0	7.7				
	D4								
	D5								
14	NA D1								
	FCL D2	3.1	6.500	11.0	7.7				
	CLA D3	3.2	6.500	11.0	7.7				
	D4								
	D5								
15	NA D1								
	FCL D2	3.0	6.500	11.0	7.4				
	CLA D3	3.1	6.500	11.0	7.5				
	D4								
	D5								
16	NA D1								
	FCL D2	3.0	6.500	10.0	7.5				
	CLA D3	3.0	6.500	11.0	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: February 4, 2009

