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: City of Corsicana
PLANT NAME OR NUMBER: Navarro Mills

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.: 1750002
Operator's Signature:
Report for the Month of: March 2007
Certificate No. & Grade: WO0004220 A
Date: April 2, 2007

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	137	Number of 4-hour periods when plant was off-line:	49
Number of readings above 0.10 NTU:	11	Number of 4-hour periods when plant was on-line	
Number of readings above 0.3 NTU:	0	but turbidity data was not collected:	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:	0.12 NTU	Average turbidity value:	0.08 NTU
Minimum turbidity reading:	0.05 NTU	Standard deviation:	0.016 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
		Average log inactivation for viruses:	NA
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	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:	61		
Average disinfectant residual value:	2.32	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0		
Number of readings with no detectable residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)

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: 11,050
Month: March **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							
					Basin No.						Turbidity						Lowest Residual	Time[1]
			NTU	Alk.	1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6		
1	3.490	2.662	36	106	0.5	0.7	0.7	0.5	0.7	0.5	X	X	0.07	0.07	0.07	0.06	2.8	
2	2.850	2.385	38	111	0.5	0.6	0.8	0.5	0.6	0.5	X	X	X	0.07	0.07	0.06	2.8	
3	4.710	3.159	41	109	0.5	0.6	0.8	0.6	0.6	0.5	0.08	0.08	0.06	0.05	0.09	0.10	2.9	
4	3.640	2.472	43	112	0.5	0.6	0.7	0.5	0.5	0.5	X	X	0.06	0.07	0.10	0.09	2.9	
5	5.930	4.455	42	111	0.7	0.7	0.8	0.8	0.7	0.6	X	X	0.06	0.07	0.09	0.08	2.9	
6	4.350	3.612	37	109	0.6	0.7	0.6	0.7	0.8	0.6	0.07	X	0.08	0.09	0.08	0.08	3.0	
7	6.390	5.310	35	108	0.6	0.6	0.7	0.6	0.7	0.6	0.08	0.08	0.08	0.09	0.10	0.10	3.1	
8	6.530	4.428	34	107	0.7	0.6	0.7	0.6	0.8	0.6	0.10	0.10	0.10	0.10	X	0.10	2.9	
9	5.320	4.627	29	104	0.7	0.8	0.8	0.8	0.7	0.7	0.09	0.08	0.10	0.11	0.09	0.08	2.8	
10	7.380	4.635	39	104	0.5	0.5	0.7	0.7	0.6	0.6	0.08	0.09	0.07	0.07	0.10	0.11	2.9	
11	3.260	2.520	33	104	0.6	0.7	0.8	0.7	0.7	0.7	X	X	0.11	0.10	0.11	0.11	2.9	
12	6.170	5.092	58	107	0.6	0.6	0.7	0.6	0.7	0.7	X	X	0.08	0.09	0.09	0.09	2.8	
13	3.310	3.324	36	101	0.7	0.8	0.8	0.8	0.8	0.7	X	X	0.09	0.09	0.09	0.09	2.7	
14	4.550	2.698	47	104	0.5	0.6	0.6	0.6	0.6	0.5	0.11	0.08	0.08	0.08	0.08	0.08	2.7	
15	3.500	2.270	47	103	0.6	0.6	0.7	0.7	0.6	0.6	X	X	0.07	0.07	0.07	0.07	2.8	
16	2.370	2.322	56	106	0.6	0.7	0.6	0.5	0.5	0.5	X	X	X	0.07	0.07	0.07	2.8	
17	4.730	3.134	43	102	0.6	0.7	0.8	0.7	0.6	0.6	0.08	0.09	0.07	0.08	0.09	0.11	2.8	
18	3.110	2.669	44	103	0.6	0.7	0.7	0.6	0.6	0.6	X	X	X	0.07	0.08	0.08	2.9	
19	3.350	2.779	51	101	0.6	0.6	0.7	0.6	0.6	0.6	X	X	X	0.07	0.09	0.09	2.8	
20	4.060	2.990	49	101	0.6	0.7	0.8	0.7	0.9	0.7	0.09	0.08	0.06	0.07	0.07	X	2.8	
21	3.110	3.298	49	105	0.6	0.7	0.9	0.7	0.7	0.6	X	X	X	0.06	0.06	0.06	2.8	
22	3.440	2.615	49	106	0.6	0.7	0.8	0.7	0.7	0.6	0.07	0.07	X	0.05	0.07	0.06	2.7	
23	4.520	2.869	46	105	0.6	0.7	0.7	0.7	0.8	0.6	0.07	0.07	0.06	0.06	0.06	0.05	2.9	
24	2.400	2.733	43	108	0.7	0.7	0.8	0.6	0.7	0.5	X	X	X	X	0.07	0.07	2.8	
25	4.510	2.666	41	106	0.6	0.6	0.7	0.6	0.6	0.5	0.08	0.07	0.06	0.06	0.07	0.07	2.7	
26	4.760	3.786	51	105	0.9	0.8	1.0	0.9	1.0	0.8	X	X	0.06	0.06	0.08	0.08	2.8	
27	2.480	2.160	37	105	0.8	0.9	0.8	0.8	0.9	0.8	X	X	X	0.11	0.09	0.09	2.7	
28	2.980	2.501	33	105	0.7	0.7	0.9	0.8	0.7	0.7	X	X	X	0.09	0.07	0.08	2.5	
29	3.380	2.736	30	104	0.7	0.9	0.9	0.7	1.0	0.7	X	X	X	0.05	0.05	0.05	2.5	
30	5.540	4.535	38	105	0.8	1.0	1.0	0.9	1.0	1.0	0.09	0.08	X	0.11	0.10	0.12	2.9	
31	6.270	4.600	98	97	1.8	3.7	1.7	1.8	2.2	2.0	0.12	0.10	0.10	0.09	0.10	0.10	2.6	
Total	132.390	102.042																
Avg	4.271	3.292																
Max	7.380	5.310																
Min	2.370	2.160																

[1] **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:** April 2, 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

PLANT NAME OR NUMBER: Navarro Mills

PWS ID No.: 1750002

Month: March **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	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	X	X	0.13	X	0.07	X	0.10	X	X	X	0.08	X								
2	X	X	0.12	X	0.06	X	0.12	X	X	X	0.08	X								
3	0.14	0.12	0.14	X	0.06	X	0.10	X	X	X	0.08	X								
4	0.12	X	0.19	X	X	X	0.12	X	X	X	0.13	X								
5	0.12	X	0.22	0.14	0.11	0.10	0.12	X	0.23	0.11	0.11	X								
6	0.14	X	0.15	X	0.12	X	X	X	0.12	X	0.13	X								
7	0.12	X	0.16	X	0.12	X	0.15	0.15	0.11	X	X	X								
8	0.10	X	0.14	X	0.12	X	0.14	X	0.11	X	0.15	0.13								
9	X	X	0.14	X	0.11	X	0.12	X	0.10	X	0.12	X								
10	0.16	0.16	0.20	X	0.14	0.11	0.11	X	0.12	0.10	0.11	X								
11	0.12	X	X	X	0.11	X	0.09	X	0.09	X	0.09	X								
12	0.13	X	X	X	0.12	X	0.10	X	0.23	X	0.10	X								
13	0.12	X	X	X	0.09	X	0.10	X	0.12	0.09	0.09	X								
14	0.11	X	X	X	0.10	X	0.14	0.13	0.10	X	0.07	X								
15	0.10	X	X	X	0.09	X	0.11	X	0.10	X	X	X								
16	X	X	0.17	0.16	0.06	X	0.10	X	0.07	X	0.14	0.13								
17	X	X	0.15	X	X	X	0.10	X	0.07	X	0.13	X								
18	0.13	0.12	0.13	X	X	X	0.12	X	0.09	X	0.08	X								
19	0.11	X	0.12	X	X	X	0.11	X	X	X	0.08	X								
20	0.11	X	0.12	X	X	X	0.08	X	0.11	0.09	0.08	X								
21	0.08	X	0.12	X	X	X	X	X	0.07	X	0.07	X								
22	0.10	X	0.12	X	0.10	0.09	X	X	0.09	X	0.07	X								
23	0.08	X	X	X	0.08	X	0.11	0.10	0.08	X	X	X								
24	0.10	X	0.14	0.13	0.06	X	0.09	X	0.10	X	X	X								
25	X	X	0.12	X	0.06	X	0.08	X	0.05	X	X	X								
26	X	X	0.18	X	0.07	X	0.15	X	0.14	X	0.14	0.09								
27	X	X	0.18	X	0.06	X	0.12	X	X	X	0.10	X								
28	0.12	0.11	0.14	X	0.05	X	0.09	X	X	X	0.11	X								
29	0.11	X	0.48	X	X	X	0.11	X	0.15	0.09	0.07	X								
30	0.12	X	0.17	X	0.08	0.08	X	X	0.10	X	0.13	X								
31	0.13	X	X	X	0.11	X	X	X	0.10	X	0.07	X								

SUMMARY & COMPLIANCE ACTIONS

Criteria	Filter No. 1	2	3	4	5	6	7	8	9	10	Plant
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:** April 2, 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
PLANT NAME OR NUMBER: Navarro Mills
PWS ID No.: 1750002
Month: March **Year:** 2007

DISINFECTION PROCESS PARAMETERS

APPROVED CT STUDY PARAMETERS						PERFORMANCE STANDARDS	
	Disinfection Zones					Log Inactivations	
Parameters	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	Disinfectant	C (mg/L)	Flow (MGD)	Temp (^{o}C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time*
1	NA *D1*								
	FCL *D2*	2.6	4.900	14.0	7.5				
	CLA *D3*	2.9	4.900	14.0	7.6				
	D4								
	D5								
2	NA *D1*								
	FCL *D2*	2.6	4.800	15.0	7.6				
	CLA *D3*	2.8	4.800	15.0	7.7				
	D4								
	D5								
3	NA *D1*								
	FCL *D2*	2.7	4.800	13.0	7.6				
	CLA *D3*	3.3	4.800	14.0	7.7				
	D4								
	D5								
4	NA *D1*								
	FCL *D2*	2.5	4.900	13.0	7.6				
	CLA *D3*	3.1	4.900	14.0	7.7				
	D4								
	D5								
5	NA *D1*								
	FCL *D2*	2.9	10.400	14.0	7.7				
	CLA *D3*	2.9	10.400	14.0	7.8				
	D4								
	D5								
6	NA *D1*								
	FCL *D2*	2.5	4.800	15.0	7.5				
	CLA *D3*	3.3	4.800	15.0	7.6				
	D4								
	D5								
7	NA *D1*								
	FCL *D2*	2.9	10.200	14.0	7.5				
	CLA *D3*	3.1	10.200	14.0	7.6				
	D4								
	D5								
8	NA *D1*								
	FCL *D2*	3.3	10.000	16.0	7.5				
	CLA *D3*	3.1	10.000	15.0	7.6				
	D4								
	D5								

PERFORMANCE DATA

Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (^{o}C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time*
9	NA *D1*								
	FCL *D2*	3.0	10.100	15.0	7.5				
	CLA *D3*	3.0	10.100	15.0	7.6				
	D4								
	D5								
10	NA *D1*								
	FCL *D2*	2.7	10.400	16.0	7.6				
	CLA *D3*	3.3	10.400	16.0	7.7				
	D4								
	D5								
11	NA *D1*								
	FCL *D2*	2.4	4.500	17.0	7.6				
	CLA *D3*	3.0	4.500	17.0	7.7				
	D4								
	D5								
12	NA *D1*								
	FCL *D2*	2.5	9.900	17.0	7.6				
	CLA *D3*	2.8	9.900	17.0	7.7				
	D4								
	D5								
13	NA *D1*								
	FCL *D2*	2.4	4.800	17.0	7.5				
	CLA *D3*	2.9	4.800	17.0	7.6				
	D4								
	D5								
14	NA *D1*								
	FCL *D2*	2.4	4.800	18.0	8.5				
	CLA *D3*	3.0	4.800	17.0	7.6				
	D4								
	D5								
15	NA *D1*								
	FCL *D2*	2.4	4.800	17.0	7.5				
	CLA *D3*	2.9	4.800	17.0	7.6				
	D4								
	D5								
16	NA *D1*								
	FCL *D2*	2.1	4.700	18.0	7.4				
	CLA *D3*	2.8	4.700	18.0	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:** April 2, 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
PLANT NAME OR NUMBER: Navarro Mills
PWS ID No.: 1750002
Month: March **Year:** 2007

DISINFECTION PROCESS PARAMETERS

APPROVED CT STUDY PARAMETERS						PERFORMANCE STANDARDS	
	Disinfection Zones					Log Inactivations	
Parameters	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	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time⧄
17	NA *D1*								
	FCL *D2*	2.5	4.600	17.0	7.5				
	CLA *D3*	3.4	4.600	17.0	7.6				
	D4								
	D5								
18	NA *D1*								
	FCL *D2*	2.4	4.700	18.0	7.5				
	CLA *D3*	2.9	4.700	18.0	7.6				
	D4								
	D5								
19	NA *D1*								
	FCL *D2*	2.8	4.600	18.0	7.5				
	CLA *D3*	2.8	4.600	18.0	7.6				
	D4								
	D5								
20	NA *D1*								
	FCL *D2*	3.0	8.400	18.0	7.5				
	CLA *D3*	2.9	8.400	18.0	7.6				
	D4								
	D5								
21	NA *D1*								
	FCL *D2*	2.3	4.700	19.0	7.6				
	CLA *D3*	2.9	4.700	19.0	7.7				
	D4								
	D5								
22	NA *D1*								
	FCL *D2*	2.7	4.500	19.0	7.6				
	CLA *D3*	2.9	4.500	19.0	7.7				
	D4								
	D5								
23	NA *D1*								
	FCL *D2*	2.5	4.500	20.0	7.6				
	CLA *D3*	3.0	4.500	19.0	7.7				
	D4								
	D5								
24	NA *D1*								
	FCL *D2*	2.1	4.500	19.0	7.7				
	CLA *D3*	2.9	4.500	19.0	7.7				
	D4								
	D5								

PERFORMANCE DATA

Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time⧄
25	NA *D1*								
	FCL *D2*	2.4	4.600	20.0	7.7				
	CLA *D3*	3.0	4.600	20.0	7.8				
	D4								
	D5								
26	NA *D1*								
	FCL *D2*	2.7	8.500	19.0	7.6				
	CLA *D3*	2.8	8.500	19.0	7.7				
	D4								
	D5								
27	NA *D1*								
	FCL *D2*	2.4	4.600	19.0	7.5				
	CLA *D3*	3.0	4.600	19.0	7.7				
	D4								
	D5								
28	NA *D1*								
	FCL *D2*	2.2	5.000	21.0	7.4				
	CLA *D3*	2.5	5.000	20.0	7.5				
	D4								
	D5								
29	NA *D1*								
	FCL *D2*	2.4	5.200	20.0	7.5				
	CLA *D3*	2.6	5.200	20.0	7.6				
	D4								
	D5								
30	NA *D1*								
	FCL *D2*	2.8	10.300	20.0	7.5				
	CLA *D3*	2.7	10.300	20.0	7.6				
	D4								
	D5								
31	NA *D1*								
	FCL *D2*	2.1	6.800	20.0	7.5				
	CLA *D3*	2.9	6.800	21.0	7.6				
	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:** April 2, 2007