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: October 2005
Certificate No. & Grade: WO0004220 A
Date: November 7, 2005

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:	1	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:	0.14 NTU	Average turbidity value:	0.07 NTU
Minimum turbidity reading:	0.05 NTU	Standard deviation:	0.012 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:	56		
Average disinfectant residual value:	2.69	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: 8,734
Month: October **Year:** 2005
Population: 24,485

PERFORMANCE DATA

Date	Raw Water Pumpage (MGD)	Treated Water Pumpage (MGD)	RAW WATER ANALYSES NTU	RAW WATER ANALYSES Alk.	SETTLED WATER TURBIDITY (Optional Data) Basin No. 1	2	3	4	5	6	FINISHED WATER QUALITY Turbidity NTU1	NTU2	NTU3	NTU4	NTU5	NTU6	Lowest Residual	Time*
1	8.300	7.005	48	101	0.7	0.7	1.2	0.9	1.0	1.0	0.08	0.08	0.08	0.08	0.07	0.07	3.1	
2	10.280	7.755	51	105	0.7	0.9	1.0	0.9	0.9	0.8	0.07	0.07	0.08	0.07	0.06	0.06	3.2	
3	8.600	7.502	53	107	0.7	0.8	1.1	1.0	1.0	0.8	0.06	0.06	0.07	0.06	0.06	0.07	3.1	
4	8.340	7.223	52	105	0.8	0.9	1.2	1.0	1.0	0.9	0.07	0.07	0.08	0.09	0.07	0.07	3.0	
5	9.630	7.385	46	104	0.8	0.9	1.2	1.0	1.0	0.9	0.07	0.06	0.09	0.07	0.09	0.07	2.9	
6	7.790	6.282	43	104	0.6	0.8	0.9	0.8	0.9	0.9	0.06	0.06	0.06	0.06	0.06	0.06	3.0	
7	6.520	5.702	43	105	0.6	0.8	0.8	0.8	0.8	0.7	0.06	0.06	0.05	0.05	0.05	0.07	2.9	
8	7.670	5.979	44	105	0.6	0.8	0.8	0.8	0.8	0.7	0.06	0.06	0.07	0.07	0.07	0.06	2.9	
9	8.740	7.376	50	106	0.7	0.9	1.0	0.9	0.9	0.8	0.07	0.08	0.07	0.08	0.07	0.07	3.0	
10	8.810	6.668	63	107	1.0	1.0	1.5	1.3	1.4	1.2	0.07	0.07	0.07	0.07	0.06	0.06	3.0	
11	8.930	7.147	68	105	1.0	1.0	1.5	1.3	1.3	1.2	0.06	0.06	0.06	0.06	0.07	0.06	2.9	
12	7.970	6.573	74	106	0.9	1.0	1.4	1.2	1.2	1.1	0.06	0.06	0.07	0.07	0.06	0.07	2.8	
13	10.190	8.195	65	106	1.0	1.3	1.4	1.2	1.3	1.1	0.06	0.06	0.07	0.08	0.07	0.07	2.9	
14	9.990	8.661	56	107	0.9	1.1	1.2	1.0	1.0	1.0	0.07	0.07	0.06	0.06	0.06	0.06	3.0	
15	7.930	6.958	56	105	0.7	0.9	1.0	0.9	0.9	0.8	0.05	0.05	0.06	0.06	0.05	0.06	2.8	
16	8.490	7.221	53	107	0.8	0.9	1.1	1.0	1.0	0.9	0.06	0.06	0.06	0.06	0.06	0.06	2.9	
17	10.140	8.303	52	106	0.8	0.9	1.1	1.0	1.1	1.1	0.06	0.06	0.06	0.06	0.07	0.07	3.0	
18	7.940	7.306	41	105	0.7	0.8	1.0	0.9	0.9	0.8	0.10	0.07	0.08	0.08	0.08	0.08	2.8	
19	10.280	8.416	45	107	0.6	0.8	0.9	0.8	0.9	0.8	0.07	0.07	0.08	0.08	0.09	0.07	2.8	
20	8.230	7.182	43	102	0.7	0.8	1.0	0.9	0.8	0.8	0.07	0.07	0.08	0.07	0.07	0.08	2.8	
21	10.160	8.192	40	102	0.7	0.9	1.1	1.0	0.8	0.9	0.07	0.08	0.08	0.09	0.09	0.09	2.9	
22	7.820	7.080	42	99	0.7	0.8	1.0	0.9	0.9	0.8	0.08	0.09	0.09	0.09	0.09	0.09	2.8	
23	8.520	7.257	40	103	0.8	0.9	1.0	0.8	0.8	0.9	0.09	0.10	0.10	0.10	0.08	0.08	2.7	
24	7.970	7.133	46	103	0.8	0.8	1.0	0.9	0.9	0.9	0.07	0.08	0.08	0.08	0.08	0.10	3.0	
25	8.110	7.186	43	102	0.7	0.9	1.0	0.9	0.8	0.8	0.07	0.06	0.06	0.08	0.08	0.07	2.8	
26	8.640	7.324	46	102	0.9	1.0	1.3	1.0	1.0	1.0	0.08	0.07	0.09	0.09	0.09	0.08	2.7	
27	9.160	7.959	46	106	0.8	1.0	1.2	1.0	1.0	1.0	0.08	0.07	0.08	0.09	0.09	0.08	2.8	
28	10.220	8.503	55	110	1.0	1.0	1.4	1.0	1.1	1.1	0.09	0.08	0.08	0.08	0.08	0.08	2.8	
29	8.060	7.169	64	112	1.0	1.1	1.4	1.2	1.1	1.1	0.07	0.07	0.07	0.07	0.07	0.07	2.0	
30	7.820	7.498	59	109	1.0	1.2	1.3	1.0	1.0	1.0	0.07	0.06	0.08	0.08	0.08	0.07	2.8	
31	7.790	6.382	61	108	0.9	0.9	1.3	1.1	1.1	1.1	0.08	0.08	0.08	0.08	0.08	0.14	3.1	
Total	269.040	226.522																
Avg	8.679	7.307																
Max	10.280	8.661																
Min	6.520	5.702																

* 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:** November 7, 2005

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: October **Year:** 2005

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	0.13	X	0.09	X	0.07	X	0.08	X	0.09	X	0.10	X								
2	0.10	X	0.08	X	0.11	0.09	0.13	0.10	0.09	X	0.08	X								
3	0.07	X	0.12	0.09	0.08	X	0.10	X	0.07	X	0.07	X								
4	0.14	0.11	0.08	X	0.07	X	0.07	X	0.06	X	0.09	0.09								
5	0.10	X	0.07	X	0.06	X	0.06	X	0.10	0.09	0.07	X								
6	0.13	X	0.07	X	0.05	X	0.09	0.08	0.07	X	0.05	X								
7	0.08	X	0.13	0.09	0.05	X	0.08	X	0.06	X	0.05	X								
8	0.13	0.10	0.09	X	0.11	0.09	0.15	X	0.13	X	0.09	0.08								
9	0.10	X	0.07	X	0.07	X	0.06	X	0.11	0.08	0.07	X								
10	0.08	X	0.07	X	0.06	X	0.05	X	0.07	X	0.06	X								
11	0.13	X	0.43	0.08	0.09	X	0.12	0.08	0.07	X	0.06	X								
12	0.22	X	0.08	X	0.12	0.09	0.08	X	0.06	X	0.10	0.08								
13	0.14	0.10	0.07	X	0.08	X	0.07	X	0.12	0.08	0.08	X								
14	0.08	X	0.07	X	0.06	X	0.05	X	0.08	X	0.06	X								
15	0.08	X	0.17	0.08	0.07	X	0.11	0.09	0.06	X	0.05	X								
16	0.35	X	0.08	X	0.07	X	0.09	X	0.07	X	0.05	X								
17	0.13	0.09	0.07	X	0.10	0.09	0.08	X	0.12	0.11	0.09	0.08								
18	0.11	X	0.11	X	0.09	X	0.07	X	0.11	X	0.08	X								
19	0.11	X	0.32	0.13	0.09	X	0.07	X	0.11	X	0.08	X								
20	0.11	X	0.11	X	0.10	X	0.26	0.14	0.13	X	0.09	X								
21	0.17	0.17	0.10	X	0.17	0.15	0.14	X	0.10	X	0.16	0.13								
22	0.15	X	0.08	X	0.13	X	0.11	X	0.17	0.15	0.11	X								
23	0.13	X	0.14	0.10	0.11	X	0.09	X	0.19	X	0.10	X								
24	0.09	X	0.09	X	0.07	X	0.10	0.10	0.08	X	0.07	X								
25	0.09	X	0.09	X	0.13	0.12	0.12	X	0.07	X	0.12	0.10								
26	0.20	0.12	0.17	X	0.12	X	0.10	X	0.12	0.09	0.11	X								
27	0.10	X	0.71	0.11	0.09	X	0.08	X	0.12	X	0.08	X								
28	0.09	X	0.11	X	0.08	X	0.07	X	0.09	X	0.07	X								
29	0.10	X	0.09	X	0.09	X	0.13	0.10	0.09	X	0.12	0.09								
30	0.13	0.11	0.14	X	0.14	0.09	0.09	X	0.07	X	0.09	X								
31	0.10	X	0.12	X	0.09	X	0.08	X	0.13	0.10	0.08	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:** November 7, 2005

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: October **Year:** 2005

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*	2.9	10.800	26.0	7.4				
	CLA *D3*	3.2	10.800	26.0	7.6				
	D4								
	D5								
2	NA *D1*								
	FCL *D2*	2.9	10.800	26.0	7.4				
	CLA *D3*	3.3	10.800	26.0	7.6				
	D4								
	D5								
3	NA *D1*								
	FCL *D2*	2.8	10.600	26.0	7.4				
	CLA *D3*	3.3	10.600	26.0	7.6				
	D4								
	D5								
4	NA *D1*								
	FCL *D2*	3.0	10.700	26.0	7.5				
	CLA *D3*	3.2	10.700	26.0	7.6				
	D4								
	D5								
5	NA *D1*								
	FCL *D2*	2.8	10.800	26.0	7.4				
	CLA *D3*	3.3	10.800	26.0	7.6				
	D4								
	D5								
6	NA *D1*								
	FCL *D2*	3.0	10.900	25.0	7.5				
	CLA *D3*	3.3	10.900	26.0	7.6				
	D4								
	D5								
7	NA *D1*								
	FCL *D2*	3.2	10.500	24.0	7.5				
	CLA *D3*	2.9	10.500	24.0	7.6				
	D4								
	D5								
8	NA *D1*								
	FCL *D2*	3.1	10.700	24.0	7.4				
	CLA *D3*	3.1	10.700	24.0	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	10.800	23.0	7.5				
	CLA *D3*	3.0	10.800	23.0	7.6				
	D4								
	D5								
10	NA *D1*								
	FCL *D2*	2.8	10.600	22.0	7.5				
	CLA *D3*	3.2	10.600	22.0	7.6				
	D4								
	D5								
11	NA *D1*								
	FCL *D2*	3.1	10.800	22.0	7.5				
	CLA *D3*	3.1	10.800	22.0	7.6				
	D4								
	D5								
12	NA *D1*								
	FCL *D2*	2.7	10.500	22.0	7.5				
	CLA *D3*	3.1	10.500	22.0	7.7				
	D4								
	D5								
13	NA *D1*								
	FCL *D2*	2.8	10.600	22.0	7.5				
	CLA *D3*	3.1	10.600	22.0	7.7				
	D4								
	D5								
14	NA *D1*								
	FCL *D2*	2.9	10.600	23.0	7.5				
	CLA *D3*	3.4	10.600	23.0	7.7				
	D4								
	D5								
15	NA *D1*								
	FCL *D2*	2.6	10.400	22.0	7.5				
	CLA *D3*	3.1	10.400	22.0	7.8				
	D4								
	D5								
16	NA *D1*								
	FCL *D2*	2.7	10.200	23.0	7.4				
	CLA *D3*	3.2	10.200	22.0	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:** November 7, 2005

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: October **Year:** 2005

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*	2.9	10.300	22.0	7.5				
	CLA *D3*	3.1	10.300	22.0	7.6				
	D4								
	D5								
18	NA *D1*								
	FCL *D2*	2.9	10.300	23.0	7.5				
	CLA *D3*	2.9	10.300	23.0	7.8				
	D4								
	D5								
19	NA *D1*								
	FCL *D2*	2.5	10.300	25.0	7.5				
	CLA *D3*	3.3	10.300	25.0	7.6				
	D4								
	D5								
20	NA *D1*								
	FCL *D2*	2.9	10.300	24.0	7.5				
	CLA *D3*	2.9	10.300	24.0	7.6				
	D4								
	D5								
21	NA *D1*								
	FCL *D2*	2.5	10.200	24.0	7.5				
	CLA *D3*	3.2	10.200	24.0	7.6				
	D4								
	D5								
22	NA *D1*								
	FCL *D2*	2.7	10.300	24.0	7.4				
	CLA *D3*	3.1	10.300	24.0	7.6				
	D4								
	D5								
23	NA *D1*								
	FCL *D2*	3.0	10.200	22.0	7.4				
	CLA *D3*	2.9	10.200	23.0	7.5				
	D4								
	D5								
24	NA *D1*								
	FCL *D2*	2.6	10.600	20.0	7.5				
	CLA *D3*	3.3	10.600	21.0	7.6				
	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*	2.7	10.600	20.0	7.5				
	CLA *D3*	3.1	10.600	20.0	7.7				
	D4								
	D5								
26	NA *D1*								
	FCL *D2*	2.9	10.300	20.0	7.5				
	CLA *D3*	2.7	10.300	20.0	7.6				
	D4								
	D5								
27	NA *D1*								
	FCL *D2*	2.9	10.300	20.0	7.5				
	CLA *D3*	2.8	10.300	20.0	7.6				
	D4								
	D5								
28	NA *D1*								
	FCL *D2*	2.8	10.300	20.0	7.5				
	CLA *D3*	2.8	10.300	20.0	7.6				
	D4								
	D5								
29	NA *D1*								
	FCL *D2*	0.6	10.200	18.0	7.5				
	CLA *D3*	3.0	10.200	19.0	7.6				
	D4								
	D5								
30	NA *D1*								
	FCL *D2*	2.8	10.100	20.0	7.4				
	CLA *D3*	3.2	10.100	18.0	7.6				
	D4								
	D5								
31	NA *D1*								
	FCL *D2*	2.9	10.100	20.0	7.5				
	CLA *D3*	3.2	10.100	20.0	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:** November 7, 2005