

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: November 2007

Certificate No. & Grade: WO0004220 A

Date: December 4, 2007

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	<u>180</u>	Number of 4-hour periods when plant was off-line:	<u>0</u>
Number of readings above 0.10 NTU:	<u>150</u>	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	<u>0</u>
Number of readings above 0.3 NTU:	<u>0</u>		
Number of readings above 0.5 NTU:	<u>0</u>		
Number of readings above 1.0 NTU:	<u>0</u>		
Maximum allowable turbidity level:	<u>0.3</u>	Number of days with readings above 1.0 NTU:	<u>0</u> (2)
Percentage of readings above this limit:	<u>0.0</u> % (1)	Number of days with readings above 5.0 NTU:	<u>0</u> (3)
Statistical Summary	Maximum turbidity reading:	<u>0.30</u> NTU	Average turbidity value:
	Minimum turbidity reading:	<u>0.08</u> NTU	<u>0.16</u> NTU
		Average turbidity value:	<u>0.16</u> NTU
		Standard deviation:	<u>0.051</u> 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:	<u>0</u>	Average log inactivation for Giardia:	<u>NA</u>
Number of days with a low CT for more than 4.0 consecutive hours:	<u>0</u> (4)	Average log inactivation for viruses:	<u>NA</u>
		Number of days when profiling data was not collected:	<u>30</u>
		Number of days when CT data was not collected:	<u>30</u>
Minimum disinfectant residual required leaving the plant:	<u>0.5</u> 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:	<u>0</u>		
Number of days with a low residual for more than 4.0 consecutive hours:	<u>0</u> (5)	Number of days when disinfectant residual leaving the plant was not properly monitored:	<u>0</u>

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:	<u>0.5</u> mg/L	<input type="radio"/> Free Chlorine <input checked="" type="radio"/> Total Chlorine	
Total number of readings this month:	<u>60</u>	Percentage of readings with a low residual this month:	<u>0.0</u> % (6A)
Average disinfectant residual value:	<u>2.02</u>	Percentage of readings with a low residual last month:	<u>0.0</u> % (6B)
Number of readings with a low residual:	<u>0</u>		
Number of readings with no detectable residual:	<u>0</u>		

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: November 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	4.970	5.002	42	115	1.5	1.7	2.1	1.7	1.9	1.8	0.18	0.17	0.19	0.19	0.15	0.14	2.9	
2	4.970	4.858	40	114	1.3	1.5	1.7	1.9	1.4	1.4	0.13	0.12	0.10	0.10	0.11	0.11	3.1	
3	4.950	3.906	47	114	1.1	1.4	1.8	1.1	1.3	1.2	0.10	0.09	0.08	0.09	0.10	0.10	2.8	
4	6.420	5.665	43	116	1.1	1.4	1.6	1.2	1.2	1.2	0.10	0.12	0.17	0.23	0.18	0.20	2.9	
5	5.460	5.197	39	114	1.1	1.2	1.5	1.2	1.3	1.1	0.20	0.19	0.18	0.21	0.21	0.11	2.8	
6	6.860	5.167	32	116	1.0	1.3	1.5	1.1	1.1	1.3	0.10	0.10	0.10	0.11	0.13	0.12	2.5	
7	6.450	5.348	40	113	1.0	1.2	1.7	1.0	1.3	1.2	0.11	0.10	0.14	0.19	0.18	0.14	2.5	
8	5.200	4.668	47	116	1.0	1.4	1.6	1.2	1.3	1.2	0.18	0.20	0.14	0.12	0.12	0.15	3.3	
9	6.070	4.685	40	114	1.0	1.3	1.7	1.3	1.4	1.3	0.15	0.13	0.10	0.10	0.13	0.17	3.4	
10	7.350	5.693	37	114	1.1	1.4	1.6	1.2	1.4	1.3	0.17	0.15	0.13	0.17	0.22	0.25	3.6	
11	5.460	4.711	40	118	1.1	1.5	1.5	1.3	1.3	1.3	0.22	0.18	0.15	0.17	0.17	0.14	3.5	
12	5.470	4.616	43	119	1.1	1.5	1.8	1.4	1.5	1.2	0.15	0.12	0.10	0.10	0.11	0.12	3.4	
13	6.900	5.035	33	116	X	2.3	1.8	1.6	1.6	1.7	0.12	0.13	0.19	0.20	0.27	0.23	3.4	
14	9.500	5.666	31	115	1.3	X	X	1.7	1.5	1.6	0.18	0.19	0.20	0.17	0.20	0.18	3.7	
15	7.850	4.875	30	118	1.2	1.3	1.6	X	1.4	1.7	0.17	0.16	0.13	0.17	0.21	0.14	3.5	
16	7.660	5.495	36	114	1.3	1.3	1.7	1.6	1.9	X	0.14	0.13	0.18	0.18	0.20	0.17	3.6	
17	6.280	5.009	32	118	0.9	1.1	1.2	0.9	1.3	1.0	0.16	0.14	0.13	0.14	0.14	0.24	3.6	
18	5.980	4.582	33	121	1.1	1.2	1.3	1.0	1.3	1.1	0.21	0.21	0.13	0.16	0.20	0.20	3.6	
19	5.410	4.677	44	122	1.1	1.1	1.5	1.2	1.5	1.2	0.18	0.17	0.17	0.17	0.20	0.20	3.3	
20	5.860	4.375	35	116	1.4	1.5	1.5	1.3	1.6	1.4	0.26	0.28	0.22	0.18	0.15	0.12	3.2	
21	8.190	5.719	34	119	1.3	1.4	1.5	1.3	1.4	1.3	0.14	0.13	0.12	0.18	0.26	0.27	3.4	
22	5.550	4.056	33	117	1.3	1.6	1.6	1.3	1.5	1.5	0.19	0.18	0.21	0.23	0.18	0.14	3.2	
23	5.510	4.574	38	118	1.1	1.3	1.9	1.2	1.5	1.3	0.18	0.18	0.25	0.25	0.15	0.13	3.3	
24	5.810	4.322	45	122	1.1	1.5	1.9	1.1	1.5	1.4	0.12	0.10	0.10	0.12	0.15	0.16	2.9	
25	8.340	5.024	43	122	1.2	1.4	1.6	1.3	1.5	1.4	0.21	0.19	0.21	0.27	0.27	0.30	3.2	
26	6.320	4.537	37	123	1.0	1.1	1.4	1.1	1.1	1.0	0.25	0.24	0.28	0.24	0.29	0.19	3.4	
27	7.720	5.326	41	122	1.1	1.2	1.5	1.1	1.4	1.3	0.21	0.14	0.08	0.12	0.11	0.10	3.3	
28	5.760	4.626	39	119	1.3	1.5	1.9	1.5	1.4	1.3	0.10	0.10	0.10	0.10	0.11	0.10	3.2	
29	6.030	4.271	38	119	1.1	1.2	1.6	1.2	1.3	1.2	0.09	0.08	0.15	0.13	0.11	0.10	3.4	
30	7.670	4.760	41	120	1.3	1.4	1.7	1.3	1.5	1.2	0.11	0.10	0.12	0.23	0.26	0.23	3.5	
31																		
Total	191.970	146.445																
Avg	6.399	4.882																
Max	9.500	5.719																
Min	4.950	3.906																

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: December 4, 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: November 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	0.14	X	0.50	X	X	X	0.24	X	0.07	X	X	X								
2	0.09	X	0.26	X	X	X	0.15	X	0.05	X	X	X								
3	0.49	X	X	X	X	X	0.29	X	0.12	X	X	X								
4	0.28	X	X	X	0.07	0.06	0.32	X	0.16	0.06	0.14	0.09								
5	X	X	X	X	0.54	X	X	X	0.06	X	0.12	X								
6	X	X	X	X	0.29	X	0.11	0.10	0.07	X	0.45	X								
7	0.22	0.09	X	X	0.54	X	0.21	X	0.32	X	0.76	0.10								
8	0.37	X	X	X	X	X	0.39	X	X	X	0.09	X								
9	0.31	X	X	X	0.09	0.07	0.16	X	0.22	0.07	0.14	X								
10	0.82	X	0.17	0.11	X	X	X	X	0.07	X	0.81	X								
11	X	X	0.36	X	X	X	0.22	0.20	0.10	X	0.29	X								
12	X	X	0.72	X	X	X	0.39	X	0.63	X	X	X								
13	0.10	0.08	0.84	X	X	X	0.76	X	X	X	0.18	0.09								
14	0.94	X	0.61	0.09	X	X	0.74	X	0.16	0.10	0.42	X								
15	0.86	X	0.94	X	X	X	X	X	0.10	X	0.34	X								
16	0.85	X	0.96	X	X	X	X	X	0.08	X	0.18	0.10								
17	X	X	0.65	X	X	X	0.17	0.10	0.63	X	0.10	X								
18	0.13	0.07	X	X	X	X	0.72	X	0.29	X	0.37	X								
19	0.25	X	0.11	0.07	X	X	0.70	X	0.14	0.08	0.87	X								
20	0.66	X	0.48	X	X	X	X	X	0.11	X	X	X								
21	0.50	X	0.84	X	0.18	0.10	X	X	0.19	X	0.16	0.09								
22	X	X	0.88	X	X	X	0.18	X	0.37	X	0.08	X								
23	X	X	0.70	X	0.11	0.07	0.09	X	X	X	0.17	X								
24	X	X	X	X	0.32	X	0.62	X	0.82	0.08	0.43	X								
25	0.10	0.08	X	X	0.42	X	0.34	X	0.08	X	X	X								
26	0.19	X	X	X	0.59	X	0.45	X	0.07	X	0.21	0.09								
27	0.25	X	0.09	0.07	X	X	X	X	0.07	X	0.08	X								
28	0.51	X	0.14	X	X	X	X	X	X	X	0.08	X								
29	X	X	0.24	X	0.15	0.07	X	X	0.22	0.07	0.10	X								
30	0.12	0.06	0.65	X	0.18	X	0.13	0.09	0.07	X	X	X								
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: December 4, 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: November 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	3.0	5.000	18.0	7.6				
	CLA D3	2.9	5.000	18.0	7.7				
	D4								
	D5								
2	NA D1								
	FCL D2	2.7	5.000	19.0	7.7				
	CLA D3	3.1	5.000	19.0	7.7				
	D4								
	D5								
3	NA D1								
	FCL D2	2.8	5.000	18.0	7.7				
	CLA D3	3.2	5.000	19.0	7.7				
	D4								
	D5								
4	NA D1								
	FCL D2	2.5	10.000	19.0	7.6				
	CLA D3	2.9	10.000	19.0	7.7				
	D4								
	D5								
5	NA D1								
	FCL D2	2.6	4.700	19.0	7.6				
	CLA D3	3.0	4.700	19.0	7.8				
	D4								
	D5								
6	NA D1								
	FCL D2	3.1	9.600	18.0	7.7				
	CLA D3	3.3	9.600	19.0	7.7				
	D4								
	D5								
7	NA D1								
	FCL D2	3.0	9.700	18.0	7.6				
	CLA D3	3.4	9.700	19.0	7.7				
	D4								
	D5								
8	NA D1								
	FCL D2	3.3	5.300	19.0	7.6				
	CLA D3	3.5	5.300	19.0	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
9	NA D1								
	FCL D2	3.5	7.500	19.0	7.6				
	CLA D3	3.6	7.500	20.0	7.7				
	D4								
	D5								
10	NA D1								
	FCL D2	3.6	7.500	20.0	7.6				
	CLA D3	3.8	7.500	20.0	7.7				
	D4								
	D5								
11	NA D1								
	FCL D2	3.2	5.600	19.0	7.6				
	CLA D3	3.7	5.200	19.0	7.7				
	D4								
	D5								
12	NA D1								
	FCL D2	3.3	5.700	18.0	7.6				
	CLA D3	3.5	5.700	19.0	7.7				
	D4								
	D5								
13	NA D1								
	FCL D2	2.5	10.100	19.0	7.7				
	CLA D3	3.4	10.100	19.0	7.7				
	D4								
	D5								
14	NA D1								
	FCL D2	2.9	14.900	20.0	7.7				
	CLA D3	4.1	14.900	20.0	7.8				
	D4								
	D5								
15	NA D1								
	FCL D2	3.8	10.700	20.0	7.6				
	CLA D3	3.5	10.700	20.0	7.8				
	D4								
	D5								
16	NA D1								
	FCL D2	3.1	10.100	19.0	7.6				
	CLA D3	3.6	10.100	20.0	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: December 4, 2007

