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: Lake Halbert

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: February 2006

Certificate No. & Grade: W00012234 A

Date: March 1, 2006

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	56	Number of 4-hour periods when plant was off-line:	112
Number of readings above 0.10 NTU:	5	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:	0.20 NTU	Average turbidity value:	0.08 NTU
Minimum turbidity reading:	0.04 NTU	Standard deviation:	0.023 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

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:	15
		Number of days when CT data was not collected:	15

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:	53		
Average disinfectant residual value:	2.61	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: Lake Halbert

PWS ID No.: 1750002

Connections: 8,734

Month: February **Year:** 2006

Population: 24,485

PERFORMANCE DATA

Date	Raw Water Pumpage (MGD)	Treated Water Pumpage (MGD)	RAW WATER ANALYSES		SETTLED WATER TURBIDITY (Optional Data) Basin No.						FINISHED WATER QUALITY Turbidity						Lowest Residual	Time[1]
			NTU	Alk.	1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6		
1	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
2	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
3	1.564	1.508	27	130							X	X	0.11	0.06	0.06	0.07	2.5	
4	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
5	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
6	0.370	0.350	27	120							X	X	X	X	X	0.09	3.8	
7	1.855	1.854	28	130							0.05	0.04	0.06	0.05	0.06	X	3.3	
8	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
9	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
10	0.945	0.779	27	134							X	X	X	0.09	0.09	0.09	2.6	
11	0.475	0.472	29	132							0.08	X	X	X	X	X	3.2	
12	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
13	1.125	1.100	31	131							X	X	X	0.07	0.08	0.07	2.8	
14	1.900	1.881	27	132							0.06	0.06	0.08	0.08	0.07	0.06	2.7	
15	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
16	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
17	1.400	1.390	33	129							X	X	X	0.09	0.08	0.07	2.5	
18	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
19	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
20	0.785	0.779	50	126							X	X	X	X	0.07	0.07	3.5	
21	1.570	1.362	24	130							0.06	0.06	0.09	0.08	0.07	X	2.0	
22	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
23	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
24	1.490	1.485	25	132							X	X	X	0.10	0.09	0.10	2.9	
25	1.750	1.748	24	130							0.10	0.09	0.12	0.11	0.09	0.10	2.7	
26	1.755	1.753	27	138							0.09	0.09	0.07	0.08	X	X	2.6	
27	1.752	1.638	25	130							X	X	0.06	0.08	0.08	0.07	2.0	
28	2.230	2.315	26	129							0.08	0.07	0.20	0.11	0.09	0.09	2.6	
29																		
30																		
31																		
Total	20.966	20.414																
Avg	0.749	0.729																
Max	2.230	2.315																
Min	0.000	0.000																

[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:** W00012234 A **Date:** March 1, 2006

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: Lake Halbert
PWS ID No.: 1750002
Month: February **Year:** 2006

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	X	X	X	X	X	X												
2	X	X	X	X	X	X	X	X												
3	0.13	0.12	0.12	0.12	0.10	0.10	0.15	0.14												
4	X	X	X	X	X	X	X	X												
5	X	X	X	X	X	X	X	X												
6	0.12	0.12	0.12	0.12	0.10	0.10	0.14	0.14												
7	0.12	X	0.12	X	0.10	X	0.15	X												
8	X	X	X	X	X	X	X	X												
9	X	X	X	X	X	X	X	X												
10	0.12	0.12	0.11	0.11	0.15	0.15	0.17	0.17												
11	0.13	X	0.11	X	0.13	X	0.16	X												
12	X	X	X	X	X	X	X	X												
13	0.17	0.16	0.12	0.12	0.13	0.13	0.17	0.16												
14	0.16	X	0.11	X	0.11	X	0.16	X												
15	X	X	X	X	X	X	X	X												
16	X	X	X	X	X	X	X	X												
17	0.14	0.14	0.10	0.10	0.11	0.11	0.15	0.14												
18	X	X	X	X	X	X	X	X												
19	X	X	X	X	X	X	X	X												
20	0.14	0.14	X	X	0.12	0.12	X	X												
21	0.17	0.16	0.11	X	0.12	X	0.18	0.18												
22	X	X	X	X	X	X	X	X												
23	X	X	X	X	X	X	X	X												
24	0.16	0.12	0.13	0.13	0.14	0.10	0.25	0.25												
25	0.15	X	0.13	X	0.10	0.09	0.16	X												
26	0.15	X	0.16	X	0.10	X	0.17	X												
27	0.14	0.14	0.11	0.11	0.12	0.12	0.17	0.16												
28	0.13	X	0.11	X	0.12	X	0.16	X												
29																				
30																				
31																				

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							
Number of days with event(s) above 1.0 NTU this month	0	0	0	0							
Number of days with event(s) above 1.0 NTU last month	0	0	0	0							
Number of days with event(s) above 1.0 NTU two months ago	0	0	0	0							
Total number of days with event(s) above 1.0 NTU in three months	0	0	0	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	N	N	N							N
Is the plant required to submit a Filter Profile Report?	N	N	N	N							
Is the plant required to submit a Filter Assessment Report?	N	N	N	N							
Is the plant required to submit a Request for Compliance CPE?											N

SUBMITTED BY: _____ **Certificate No. and Grade:** W00012234 A **Date:** March 1, 2006

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: Lake Halbert
PUBLIC SYSTEM
PWS ID No.: 1750002
Month: February **Year:** 2006
PWS ID

DISINFECTION PROCESS PARAMETERS

APPROVED CT STUDY PARAMETERS						PERFORMANCE STANDARDS		
	Disinfection Zones					Log Inactivations		
Parameters	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Viruses	Parar
Flow Rate (MGD)	4.000					0.5	2.0	Flow
T_{10} (minutes)	18.0							T_{10} (r

PERFORMANCE DATA

Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time☑
1	NA *D1*								
	D2								
	D3					NA	NA	NA	
	D4								
	D5								
2	NA *D1*								
	D2								
	D3					NA	NA	NA	
	D4								
	D5								
3	FCL *D1*	3.9	2.100	16.0	7.6				
	D2								
	D3								
	D4								
	D5								
4	NA *D1*								
	D2								
	D3					NA	NA	NA	
	D4								
	D5								
5	NA *D1*								
	D2								
	D3					NA	NA	NA	
	D4								
	D5								
6	FCL *D1*	3.3	2.500	13.0	7.7				
	D2								
	D3								
	D4								
	D5								
7	FCL *D1*	3.9	2.500	13.0	7.7				
	D2								
	D3								
	D4								
	D5								
8	NA *D1*								
	D2								
	D3					NA	NA	NA	
	D4								
	D5								

PERFORMANCE DATA

Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time☑	Date
9	NA *D1*									17
	D2									
	D3					NA	NA	NA		
	D4									
	D5									
10	FCL *D1*	2.9	2.500	13.0	7.6					18
	D2									
	D3									
	D4									
	D5									
11	FCL *D1*	3.3	2.500	14.0	7.5					19
	D2									
	D3									
	D4									
	D5									
12	NA *D1*									20
	D2									
	D3					NA	NA	NA		
	D4									
	D5									
13	FCL *D1*	3.1	2.100	13.0	7.5					21
	D2									
	D3									
	D4									
	D5									
14	FCL *D1*	2.8	2.500	12.0	7.7					22
	D2									
	D3									
	D4									
	D5									
15	NA *D1*									23
	D2									
	D3					NA	NA	NA		
	D4									
	D5									
16	NA *D1*									24
	D2									
	D3					NA	NA	NA		
	D4									
	D5									

NOTE: ☑ **ONLY use the "Time☑" column to show the length of time that the total inactivation ratio was less than 1.00.** **NOTE:**

SUBMITTED BY: _____ **Certificate No. and Grade:** W00012234 A **Date:** March 1, 2006 **SUBMI**

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.)

C WATER EM NAME: City of Corsicana **PLANT NAME OR NUMBER:** Lake Halbert

D No.: 1750002 **Month:** February **Year:** 2006

DISINFECTION PROCESS PARAMETERS

APPROVED CT STUDY PARAMETERS						PERFORMANCE STANDARDS	
	Disinfection Zones					Log Inactivations	
meters	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Virus
Rate (MGD)	4.000					0.5	2.0
minutes)	18.0						

PERFORMANCE DATA

DISINFECTION PROCESS DATA

Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
FCL *D1*	3.9	2.100	14.0	7.6				
D2								
D3								
D4								
D5								
NA *D1*								
D2								
D3					NA	NA	NA	
D4								
D5								
NA *D1*								
D2								
D3					NA	NA	NA	
D4								
D5								
FCL *D1*	3.1	2.500	16.0	7.8				
D2								
D3								
D4								
D5								
FCL *D1*	3.4	2.500	12.0	7.6				
D2								
D3								
D4								
D5								
NA *D1*								
D2								
D3					NA	NA	NA	
D4								
D5								
NA *D1*								
D2								
D3					NA	NA	NA	
D4								
D5								
FCL *D1*	3.8	3.000	14.0	7.0				
D2								
D3								
D4								
D5								

PERFORMANCE DATA

DISINFECTION PROCESS DATA

Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
25	FCL *D1*	4.0	2.100	12.0	7.5				
	D2								
	D3								
	D4								
	D5								
26	FCL *D1*	4.0	3.000	10.0	7.5				
	D2								
	D3								
	D4								
	D5								
27	FCL *D1*	3.0	2.500	11.0	7.4				
	D2								
	D3								
	D4								
	D5								
28	FCL *D1*	3.6	2.600	14.0	7.3				
	D2								
	D3								
	D4								
	D5								
29	*D1*								
	D2								
	D3								
	D4								
	D5								
30	*D1*								
	D2								
	D3								
	D4								
	D5								
31	*D1*								
	D2								
	D3								
	D4								
	D5								
					Max	NA	NA		
					Min	NA	NA		
					Avg	NA	NA		
					SD	NA	NA		

ONLY use the "Time" column to show the length of time that the total inactivation ratio was less than 1.00.

ITTED BY: **Certificate No. and Grade:** W00012234 A **Date:** March 1, 2006