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 2009

Certificate No. & Grade: W00012234 A

Date: March 2, 2009

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	68	Number of 4-hour periods when plant was off-line:	100
Number of readings above 0.10 NTU:	38	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:	0.18 NTU	Average turbidity value:	0.11 NTU
Minimum turbidity reading:	0.08 NTU	Standard deviation:	0.022 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:	22
		Number of days when CT data was not collected:	22

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:	58		
Average disinfectant residual value:	2.63	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: 11,500
Month: February **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							
					Basin No.						Turbidity						Lowest	
			NTU	Alk.	1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6	Residual	Time*
1	2.163	1.936	23	143							X	X	X	0.10	0.09	0.08	3.3	
2	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
3	2.366	2.246	27	142							X	X	0.08	0.10	0.10	0.09	2.2	
4	1.500	1.498	28	143							0.12	X	X	X	0.12	0.10	3.0	
5	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
6	1.499	1.227	39	138							X	X	0.17	0.16	0.12	0.11	2.5	
7	1.998	1.823	39	134							0.10	0.11	0.14	0.13	0.12	0.12	3.2	
8	0.240	0.180	40	130							X	X	0.10	X	X	X	3.0	
9	0.997	0.913	37	129							X	X	0.12	0.10	X	X	3.1	
10	1.781	1.732	38	136							X	X	0.13	0.11	0.10	X	3.3	
11	0.975	0.968	46	140							X	X	X	X	0.12	0.11	3.0	
12	0.602	0.497	41	140							X	X	X	X	0.12	0.08	3.7	
13	1.800	1.776	39	130							X	X	X	X	0.11	0.12	3.1	
14	0.200	0.156	38	136							0.11	X	X	X	X	X	3.7	
15	1.097	0.989	37	136							X	X	0.09	0.11	X	X	2.9	
16	2.512	2.476	39	137							X	X	0.12	0.10	0.09	0.08	3.1	
17	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
18	2.653	2.491	36	132							X	X	0.10	0.10	0.11	0.10	3.1	
19	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
20	0.924	0.699	38	128							X	X	X	X	0.16	0.18	2.5	
21	2.156	1.950	39	130							0.16	0.13	0.11	0.10	0.12	0.12	3.3	
22	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
23	0.941	0.759	40	134							X	X	0.14	0.12	X	X	2.7	
24	2.700	2.682	34	138							X	X	0.15	0.12	0.10	0.10	2.8	
25	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
26	3.522	3.322	35	133							X	0.08	0.09	0.10	0.13	0.14	2.8	
27	1.100	1.087	34	130							0.13	0.08	0.10	X	X	X	3.2	
28	2.393	2.309	44	131							X	X	X	0.11	0.09	0.09	3.1	
29																		
30																		
31																		
Total	36.119	33.716																
Avg	1.290	1.204																
Max	3.522	3.322																
Min	0.000	0.000																

* 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 2, 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
PLANT NAME OR NUMBER: Lake Halbert
PWS ID No.: 1750002
Month: February **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	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	0.07	0.07	0.07	0.07	0.05	0.05	0.10	0.10												
2	X	X	X	X	X	X	X	X												
3	0.06	0.06	0.08	0.08	0.08	0.08	0.08	0.08												
4	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07												
5	X	X	X	X	X	X	X	X												
6	0.08	0.08	0.08	0.08	0.06	0.06	X	X												
7	0.08	0.08	0.05	X	0.05	X	0.09	0.08												
8	0.05	0.05	0.04	0.04	X	X	0.08	0.08												
9	0.05	0.05	0.06	0.06	0.09	0.09	0.08	0.08												
10	0.07	0.07	0.08	0.05	0.08	0.08	0.12	0.12												
11	0.07	0.07	0.07	0.07	0.06	0.06	0.11	0.09												
12	0.06	0.06	0.06	0.06	0.05	0.05	X	X												
13	0.05	0.05	0.04	0.04	0.05	0.05	0.08	0.08												
14	0.05	X	0.03	X	0.04	X	0.08	X												
15	0.04	0.04	0.04	0.04	0.05	0.05	0.08	0.08												
16	0.07	0.07	0.07	0.07	0.08	0.08	0.07	0.07												
17	X	X	X	X	X	X	X	X												
18	0.06	0.06	0.10	0.10	0.06	0.06	0.06	0.06												
19	X	X	X	X	X	X	X	X												
20	0.12	0.12	0.16	0.16	0.16	0.16	X	X												
21	0.08	X	0.07	X	0.06	X	X	X												
22	X	X	X	X	X	X	X	X												
23	0.05	0.05	0.05	0.05	0.10	0.10	0.14	0.14												
24	0.09	0.09	0.08	0.08	0.09	0.09	0.11	0.11												
25	X	X	X	X	X	X	X	X												
26	0.06	0.06	0.05	0.05	0.06	0.06	0.07	0.07												
27	0.06	X	0.06	X	0.05	X	0.06	X												
28	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05												
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 2, 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 **PLANT NAME OR NUMBER:** Lake Halbert **PUBLIC SYSTE**

PWS ID No.: 1750002 **Month:** February **Year:** 2009 **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	Paran
Flow Rate (MGD)	4.000	4.000	4.000			0.5	2.0	Flow
T_{10} (minutes)	78.3	15.1	9.0					T_{10} (n

PERFORMANCE DATA

Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time*
1	NA *D1*								
	FCL *D2*	3.7	4.000	12.0	7.6				
	CLA *D3*	3.4	4.000	11.0	7.6				
	D4								
	D5								
2	NA *D1*								
	NA *D2*								
	NA *D3*					NA	NA	NA	
	D4								
	D5								
3	NA *D1*								
	FCL *D2*	2.5	3.800	12.0	7.5				
	CLA *D3*	2.2	3.800	9.0	7.7				
	D4								
	D5								
4	NA *D1*								
	FCL *D2*	3.2	3.800	10.0	7.5				
	CLA *D3*	3.4	3.800	10.0	7.4				
	D4								
	D5								
5	NA *D1*								
	NA *D2*								
	NA *D3*					NA	NA	NA	
	D4								
	D5								
6	NA *D1*								
	FCL *D2*	4.5	2.500	13.0	7.2				
	CLA *D3*	3.5	2.500	10.0	7.4				
	D4								
	D5								
7	NA *D1*								
	FCL *D2*	3.5	2.500	14.0	7.4				
	CLA *D3*	3.8	2.500	16.0	7.3				
	D4								
	D5								
8	NA *D1*								
	FCL *D2*	3.3	3.800	12.0	7.5				
	CLA *D3*	3.0	3.800	12.0	7.4				
	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
	FCL *D2*	3.0	3.800	18.0	7.3					
	CLA *D3*	3.1	3.800	15.0	7.4					
	D4									
	D5									
10	NA *D1*									18
	FCL *D2*	3.1	3.800	16.0	7.3					
	CLA *D3*	3.3	3.800	14.0	7.5					
	D4									
	D5									
11	NA *D1*									19
	FCL *D2*	3.2	3.800	16.0	7.5					
	CLA *D3*	3.0	3.800	15.0	7.4					
	D4									
	D5									
12	NA *D1*									20
	FCL *D2*	3.2	2.200	17.0	7.4					
	CLA *D3*	3.7	2.200	16.0	7.8					
	D4									
	D5									
13	NA *D1*									21
	FCL *D2*	3.0	3.800	17.0	7.3					
	CLA *D3*	3.4	3.800	14.0	7.8					
	D4									
	D5									
14	NA *D1*									22
	FCL *D2*	3.8	3.800	17.0	7.5					
	CLA *D3*	3.7	3.800	17.0	7.4					
	D4									
	D5									
15	NA *D1*									23
	FCL *D2*	3.1	3.800	15.0	7.5					
	CLA *D3*	2.9	3.800	15.0	7.5					
	D4									
	D5									
16	NA *D1*									24
	FCL *D2*	3.0	4.000	16.0	7.4					
	CLA *D3*	3.3	4.000	14.0	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.** **NOTE:**

SUBMITTED BY: _____ **Certificate No. and Grade:** W00012234 A **Date:** March 2, 2009 **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:** 2009

DISINFECTION PROCESS PARAMETERS

APPROVED CT STUDY PARAMETERS						PERFORMANCE STANDARDS	
	Disinfection Zones					Log Inactivations	
neters	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Virus
Rate (MGD)	4.000	4.000	4.000			0.5	2.0
minutes)	78.3	15.1	9.0				

PERFORMANCE DATA

DISINFECTION PROCESS DATA

Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time☑
NA *D1*								
NA *D2*								
NA *D3*					NA	NA	NA	
D4								
D5								
NA *D1*								
FCL *D2*	3.2	3.800	16.0	7.5				
CLA *D3*	3.1	3.800	15.0	7.5				
D4								
D5								
NA *D1*								
NA *D2*								
NA *D3*					NA	NA	NA	
D4								
D5								
NA *D1*								
FCL *D2*	2.6	4.000	18.0	7.5				
CLA *D3*	2.5	4.000	18.0	7.5				
D4								
D5								
NA *D1*								
FCL *D2*	2.7	2.500	15.0	7.6				
CLA *D3*	3.4	2.500	16.0	7.5				
D4								
D5								
NA *D1*								
NA *D2*								
NA *D3*					NA	NA	NA	
D4								
D5								
NA *D1*								
FCL *D2*	3.0	3.800	16.0	7.9				
CLA *D3*	2.7	3.800	14.0	7.9				
D4								
D5								
NA *D1*								
FCL *D2*	4.0	4.000	14.0	7.8				
CLA *D3*	3.6	4.000	12.0	7.9				
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	NA *D1*								
	NA *D2*								
	NA *D3*					NA	NA	NA	
	D4								
	D5								
26	NA *D1*								
	FCL *D2*	3.3	3.800	17.0	7.6				
	CLA *D3*	2.8	3.800	16.0	7.6				
	D4								
	D5								
27	NA *D1*								
	FCL *D2*	3.6	3.800	19.0	7.7				
	CLA *D3*	3.6	3.800	19.0	7.7				
	D4								
	D5								
28	NA *D1*								
	FCL *D2*	3.5	4.000	17.0	7.5				
	CLA *D3*	3.1	4.000	16.0	7.6				
	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 2, 2009