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: May 2008

Certificate No. & Grade: W00012234 A

Date:

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	88	Number of 4-hour periods when plant was off-line:	98
Number of readings above 0.10 NTU:	85	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:	0.30 NTU	Average turbidity value:	0.17 NTU
Minimum turbidity reading:	0.08 NTU	Standard deviation:	0.042 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: 28

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:	28
		Number of days when CT data was not collected:	28

Minimum disinfectant residual required leaving the plant: _____ mg/L ○ Free Chlorine ○ Total Chlorine

Number of days with a low residual for no more than 4.0 consecutive hours:			
Number of days with a low residual for more than 4.0 consecutive hours:	(5)	Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system: _____ mg/L ○ Free Chlorine ○ Total Chlorine

Total number of readings this month:			
Average disinfectant residual value:		Percentage of readings with a low residual this month:	% (6A)
Number of readings with a low residual:			
Number of readings with no detectable residual:		Percentage of readings with a low residual last month:	% (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			
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			

‡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: May **Year:** 2008
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	1.175	1.152	55	104							X	X	X	X	0.18	0.15	3.2	
2	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
3	0.787	0.768	51	97							X	0.18	0.19	X	X	X	2.8	
4	1.252	1.202	48	97							X	X	X	0.21	0.15	0.11	3.3	
5	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
6	0.675	0.667	45	98							X	0.12	0.16	X	X	X	3.0	
7	1.636	1.513	41	97							X	0.22	0.22	X	0.21	0.20	3.0	
8	1.225	1.220	47	103							X	X	X	X	0.20	0.15	3.1	
9	0.134	0.130	70	105							0.15	X	X	X	X	X	3.5	
10	1.944	1.889	52	104							X	0.25	0.15	0.11	0.08	0.08	2.3	
11	1.600	1.593	49	103							X	X	0.11	0.08	0.13	0.13	2.0	
12	2.826	2.697	47	99							0.13	0.13	0.17	0.16	0.13	0.13	2.3	
13	1.100	1.096	43	95							0.16	0.15	0.17	0.16	X	X	3.4	
14	1.000	0.982	58	102							X	X	X	X	0.15	0.14	3.4	
15	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
16	1.244	0.949	41	104							0.20	0.20	0.21	X	X	X	2.7	
17	0.869	0.619	35	102							X	X	X	0.30	0.21	X	3.0	
18	1.425	1.410	52	101							X	X	X	0.21	0.19	0.14	3.1	
19	2.175	2.164	53	100							0.17	0.16	0.17	0.14	0.13	0.12	3.5	
20	1.139	1.065	48	114							X	X	X	X	0.14	0.12	3.4	
21	2.582	2.482	58	104							0.18	0.17	0.17	0.17	0.16	0.14	2.8	
22	2.608	2.389	49	107							0.17	0.15	0.15	0.19	0.16	0.17	3.4	
23	0.770	0.681	37	108							0.18	X	X	X	X	0.11	2.7	
24	1.730	1.524	51	110							0.23	0.21	0.25	0.22	X	X	3.0	
25	1.132	1.056	50	108							X	X	X	X	0.18	0.17	2.0	
26	1.596	1.502	50	106							X	X	X	0.27	0.18	0.16	2.5	
27	0.596	0.515	54	106							0.20	0.16	X	X	X	X	2.9	
28	1.300	1.287	56	101							X	X	X	0.26	0.15	0.11	2.5	
29	1.297	1.127	95	85							X	X	X	X	0.12	0.14	2.5	
30	1.847	1.288	70	100							0.16	X	X	X	0.24	0.20	3.2	
31	0.750	0.745	57	86							0.16	0.18	X	X	X	X	3.7	
Total	38.414	35.712																
Avg	1.239	1.152																
Max	2.826	2.697																
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:** _____

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: May **Year:** 2008

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																				
2	X	X	X	X	X	X	X	X												
3																				
4																				
5	X	X	X	X	X	X	X	X												
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15	X	X	X	X	X	X	X	X												
16																				
17																				
18																				
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26																				
27																				
28																				
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											
Number of days with event(s) above 1.0 NTU two months ago											
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											
Does the plant have an approved Corrective Action Plan?											
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?											

SUBMITTED BY: _____ **Certificate No. and Grade:** W00012234 A **Date:** _____

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:** May **Year:** 2008 **PWS ID**

DISINFECTION PROCESS PARAMETERS

APPROVED CT STUDY PARAMETERS | **PERFORMANCE STANDARDS**

Parameters	Disinfection Zones D1	D2	D3	D4	D5	Log Inactivations: Giardia lamblia Cysts	Log Inactivations: Viruses	Param
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} (m

PERFORMANCE DATA

DISINFECTION PROCESS DATA

Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time■
1	*D1*								
	D2								
	D3								
	D4								
	D5								
2	NA *D1*								
	NA *D2*								
	NA *D3*					NA	NA	NA	
	D4								
	D5								
3	*D1*								
	D2								
	D3								
	D4								
	D5								
4	*D1*								
	D2								
	D3								
	D4								
	D5								
5	NA *D1*								
	NA *D2*								
	NA *D3*					NA	NA	NA	
	D4								
	D5								
6	*D1*								
	D2								
	D3								
	D4								
	D5								
7	*D1*								
	D2								
	D3								
	D4								
	D5								
8	*D1*								
	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■	Date
9	*D1*									17
	D2									
	D3									
	D4									
	D5									
10	*D1*									18
	D2									
	D3									
	D4									
	D5									
11	*D1*									19
	D2									
	D3									
	D4									
	D5									
12	*D1*									20
	D2									
	D3									
	D4									
	D5									
13	*D1*									21
	D2									
	D3									
	D4									
	D5									
14	*D1*									22
	D2									
	D3									
	D4									
	D5									
15	NA *D1*									23
	NA *D2*									
	NA *D3*					NA	NA	NA		
	D4									
	D5									
16	*D1*									24
	D2									
	D3									
	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:** _____ **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:** May — **Year:** 2008

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
ninutes)	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■
D1								
D2								
D3								
D4								
D5								
D1								
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D5								

PERFORMANCE DATA

DISINFECTION PROCESS DATA

Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time■
	D1								
	D2								
25	D3								
	D4								
	D5								
	D1								
	D2								
26	D3								
	D4								
	D5								
	D1								
	D2								
27	D3								
	D4								
	D5								
	D1								
	D2								
28	D3								
	D4								
	D5								
	D1								
	D2								
29	D3								
	D4								
	D5								
	D1								
	D2								
30	D3								
	D4								
	D5								
	D1								
	D2								
31	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:** ______________