

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 WTP

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
Report for
the Month of: March 2012

Operator's Signature: _____
Certificate No. & Grade: WO0012234, A Date: April 2, 2012

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	<u>144</u>	Number of 4-hour periods when plant was off-line:	<u>42</u>
Number of readings above 0.10 NTU:	<u>131</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 days when plant was on-line but individual filter turbidity data was not collected:	<u>0</u>
Number of readings above 0.5 NTU:	<u>0</u>	Number of days with readings above 1.0 NTU:	<u>0</u> (2)
Number of readings above 1.0 NTU:	<u>0</u>	Number of days with readings above 5.0 NTU:	<u>0</u> (3)
Maximum allowable turbidity level:	<u>0.3</u>		
Percentage of readings above this limit:	<u>0.0</u> % (1)		
Statistical Summary		Maximum turbidity reading:	<u>0.31</u> NTU
		Minimum turbidity reading:	<u>0.09</u> NTU
		CFE 95 th percentile value:	<u>0.22</u> NTU
		Average turbidity value:	<u>0.14</u> NTU
		Standard deviation:	<u>0.043</u> NTU
		IFE 95 th percentile:	<u>0.160</u> NTU
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, measured as 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, measured as Total Chlorine		
Total number of readings this month:	<u>61</u>	(at least 31 required) (8)	
Average disinfectant residual value:	<u>2.13</u>	Percentage of readings with a low residual this month:	<u>0.0</u> % (6A)
Number of readings with a low residual:	<u>0</u>		
Number of readings with no detectable residual:	<u>0</u>	Percentage of readings with a low residual last month:	<u>0.0</u> % (6B)

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is required because there was at least one treatment technique or monitoring/reporting violation reported.

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 (9) Filter Assessment (10) CPE (11)
 No additional IFE Reports are required this month.

SURFACE WATER MONTHLY OPERATING REPORT
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 WTP

PWS ID No.: 1750002

Connections: 10,849

Month: March Year: 2012

Population: 23,770

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	1.680	1.555	21	87								0.09	0.10	0.12	0.11	0.09	0.12	3.0	
2	1.350	0.912	22	88								0.11	0.10	0.30	X	X	X	3.0	
3	1.780	1.762	20	89								0.19	0.14	0.11	0.12	0.11	0.11	3.0	
4	1.330	1.246	19	85								0.11	0.10	0.11	0.10	0.10	0.09	3.4	
5	1.010	0.930	16	85								X	X	X	0.12	0.12	0.11	3.2	
6	1.180	1.025	15	85								X	X	X	0.14	0.13	0.11	3.1	
7	1.480	1.411	21	88								0.12	0.11	0.11	X	X	0.15	2.9	
8	0.940	0.856	23	85								0.14	0.12	0.14	0.12	X	X	3.0	
9	0.820	0.728	36	90								X	X	X	X	0.21	0.18	1.4	
10	1.780	1.490	26	89								0.15	0.12	0.12	0.11	0.11	0.15	3.0	
11	1.580	1.444	30	90								0.16	0.14	0.13	0.12	0.13	0.11	3.0	
12	0.790	0.689	26	89								0.12	0.11	X	X	0.12	0.11	3.1	
13	1.570	1.517	26	89								0.16	0.14	0.13	0.13	0.11	0.11	3.3	
14	0.990	0.866	24	90								0.12	0.12	0.14	0.10	X	X	3.2	
15	1.650	1.650	21	90								X	0.12	0.11	0.10	0.14	0.13	2.9	
16	1.570	1.471	22	89								0.12	0.12	0.20	0.31	0.25	0.29	2.3	
17	1.570	1.570	22	89								0.16	0.14	0.15	0.15	0.13	0.12	2.1	
18	0.980	0.948	21	88								0.10	0.11	0.11	0.10	X	X	3.8	
19	1.570	1.491	47	92								0.12	0.12	0.17	0.11	0.11	0.10	3.3	
20	0.150	0.150	38	98								0.20	0.22	X	X	X	X	3.5	
21	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
22	1.760	1.699	43	78								X	X	0.28	0.22	0.24	0.18	3.0	
23	1.510	1.506	42	73								0.15	0.14	X	0.17	0.14	0.12	2.7	
24	1.670	1.622	38	73								0.12	0.11	0.12	0.12	0.12	0.11	3.2	
25	1.320	1.240	35	79								0.12	0.12	0.11	0.11	0.11	X	3.2	
26	0.400	0.347	30	78								X	X	X	X	0.12	0.11	2.4	
27	1.670	1.552	30	72								0.19	0.19	0.15	0.14	0.14	0.14	3.1	
28	1.570	1.441	51	75								0.13	0.14	0.15	0.15	0.16	0.17	3.2	
29	1.570	1.458	48	77								0.18	0.16	0.11	0.16	0.15	0.15	3.5	
30	1.570	1.466	40	77								0.15	0.14	0.21	0.20	0.18	0.17	3.3	
31	1.510	1.435	40	76								0.18	0.17	0.20	0.21	0.24	0.20	3.7	
Total	40.320	37.477																	
Avg	1.301	1.209																	
Max	1.780	1.762																	
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: WO0012234, A Date: April 2, 2012

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: Lake Halbert WTP
Month: March Year: 2012

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	0.08	X	X	X	X	X	0.09	X												
2	0.09	0.05	0.10	0.10	0.06	0.06	0.08	0.03													
3	0.10	X	X	X	X	X	0.06	X													
4	0.09	X	X	X	X	X	0.06	X													
5	X	X	0.13	0.13	X	X	0.06	0.06													
6	X	X	X	X	0.12	0.12	0.08	0.06													
7	X	X	X	X	0.10	0.10	0.06	0.06													
8	0.13	0.13	X	X	X	X	0.06	0.06													
9	X	X	X	X	0.09	0.09	0.06	0.06													
10	0.12	0.09	0.16	0.16	0.08	X	0.06	X													
11	0.08	X	0.12	X	X	X	X	X													
12	0.11	0.11	0.08	X	X	X	0.12	0.12													
13	0.10	X	X	X	X	X	0.10	X													
14	0.07	X	X	X	X	X	0.08	X													
15	0.15	X	X	X	X	X	0.07	X													
16	0.10	0.08	X	X	X	X	0.07	X													
17	0.12	X	X	X	X	X	0.07	X													
18	0.08	X	X	X	X	X	0.06	X													
19	0.13	0.13	X	X	X	X	0.07	X													
20	0.13	X	X	X	X	X	0.16	X													
21	X	X	X	X	X	X	X	X													
22	0.16	0.13	X	X	0.14	0.14	0.26	0.26													
23	0.09	0.09	X	X	X	X	0.07	0.06													
24	0.09	X	X	X	X	X	0.07	X													
25	X	X	0.08	0.08	X	X	0.05	X													
26	0.11	0.11	X	X	X	X	0.16	0.16													
27	0.10	X	X	X	X	X	0.14	X													
28	0.07	X	X	X	X	X	0.07	X													
29	0.06	X	X	X	X	X	0.07	X													
30	0.10	0.10	X	X	X	X	0.07	X													
31	0.09	X	X	X	X	X	0.07	X													

SUMMARY & COMPLIANCE ACTIONS	Criteria	Filter No.										Plant										
		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																	
	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 filter/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: WO0012234, A Date: April 2, 2012

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: Lake Halbert WTP
Month: March Year: 2012

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)	4.000	4.000	4.000			0.5	2.0
T ₁₀ (minutes)	78.3	15.1	9.0				

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	1.4	1.800	16.0	6.5				
	CLA D3	3.5	1.800	16.0	7.2				
	D4								
	D5								
2	NA D1								
	FCL D2	1.4	1.800	18.0	7.4				
	CLA D3	3.0	1.800	17.0	7.5				
	D4								
	D5								
3	NA D1								
	FCL D2	1.1	1.800	17.0	6.8				
	CLA D3	3.0	1.800	17.0	6.9				
	D4								
	D5								
4	NA D1								
	FCL D2	1.4	1.600	16.0	6.9				
	CLA D3	3.6	1.600	17.0	7.5				
	D4								
	D5								
5	NA D1								
	FCL D2	1.2	1.800	17.0	7.2				
	CLA D3	3.3	1.800	18.0	7.9				
	D4								
	D5								
6	NA D1								
	FCL D2	1.5	1.800	17.0	7.1				
	CLA D3	3.4	1.800	18.0	7.4				
	D4								
	D5								
7	NA D1								
	FCL D2	1.5	1.800	18.0	7.0				
	CLA D3	3.4	1.800	18.0	7.5				
	D4								
	D5								
8	NA D1								
	FCL D2	1.5	1.700	17.0	7.0				
	CLA D3	3.2	1.700	17.0	7.3				
	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	1.0	1.800	16.0	6.5				
	CLA D3	1.4	1.800	16.0	7.0				
	D4								
	D5								
10	NA D1								
	FCL D2	1.2	1.800	16.0	6.8				
	CLA D3	3.0	1.800	16.0	7.1				
	D4								
	D5								
11	NA D1								
	FCL D2	1.1	1.800	15.0	7.0				
	CLA D3	3.5	1.800	16.0	7.5				
	D4								
	D5								
12	NA D1								
	FCL D2	1.5	1.600	16.0	6.8				
	CLA D3	3.1	1.600	16.0	7.6				
	D4								
	D5								
13	NA D1								
	FCL D2	1.2	1.600	16.0	7.0				
	CLA D3	3.4	1.800	17.0	7.8				
	D4								
	D5								
14	NA D1								
	FCL D2	1.2	1.600	16.0	6.9				
	CLA D3	3.2	1.600	17.0	7.4				
	D4								
	D5								
15	NA D1								
	FCL D2	1.0	2.000	20.0	7.0				
	CLA D3	2.9	2.000	19.0	7.2				
	D4								
	D5								
16	NA D1								
	FCL D2	1.1	1.600	19.0	7.1				
	CLA D3	2.8	1.600	19.0	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.

SUBMITTED BY: _____ Certificate No. _____ and Grade: WO0012234, A Date: April 2, 2012

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
PWS ID No.: 1750002

PLANT NAME OR NUMBER: Lake Halbert WTP
Month: March Year: 2012

DISINFECTION PROCESS PARAMETERS							
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS		
Parameters	Disinfection Zones					Log Inactivations	
	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Virus
Flow Rate (MGD)	4.000	4.000	4.000				
T ₁₀ (minutes)	78.3	15.1	9.0			0.5	2.0

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time ₁₀
17	NA D1								
	FCL D2	1.7	1.600	19.0	7.0				
	CLA D3	2.1	1.600	19.0	7.5				
	D4								
	D5								
18	NA D1								
	FCL D2	1.3	1.600	20.0	6.9				
	CLA D3	3.9	1.600	22.0	7.7				
	D4								
	D5								
19	NA D1								
	FCL D2	1.4	1.600	21.0	7.0				
	CLA D3	3.4	1.600	21.0	7.3				
	D4								
	D5								
20	NA D1								
	FCL D2	1.3	1.600	21.0	6.9				
	CLA D3	3.5	1.600	21.0	7.3				
	D4								
	D5								
21	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
22	NA D1								
	FCL D2	1.0	3.200	21.0	7.0				
	CLA D3	3.0	3.200	21.0	7.4				
	D4								
	D5								
23	NA D1								
	FCL D2	1.3	1.700	19.0	7.4				
	CLA D3	2.8	1.700	20.0	7.7				
	D4								
	D5								
24	NA D1								
	FCL D2	1.0	1.700	18.0	7.4				
	CLA D3	3.4	1.700	18.0	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 ₁₀
25	NA D1								
	FCL D2	1.4	1.700	19.0	7.0				
	CLA D3	3.5	1.700	20.0	7.5				
	D4								
	D5								
26	NA D1								
	FCL D2	1.1	1.700	20.0	7.0				
	CLA D3	2.4	1.700	19.0	7.2				
	D4								
	D5								
27	NA D1								
	FCL D2	1.2	1.700	20.0	7.0				
	CLA D3	3.5	1.700	20.0	8.4				
	D4								
	D5								
28	NA D1								
	FCL D2	1.2	1.600	21.0	7.0				
	CLA D3	3.5	1.600	21.0	7.1				
	D4								
	D5								
29	NA D1								
	FCL D2	1.4	1.600	20.0	7.0				
	CLA D3	3.9	1.600	20.0	7.4				
	D4								
	D5								
30	NA D1								
	FCL D2	1.1	1.600	20.0	6.8				
	CLA D3	3.3	1.600	20.0	7.1				
	D4								
	D5								
31	NA D1								
	FCL D2	1.4	1.600	20.0	7.0				
	CLA D3	4.1	1.600	20.0	7.2				
	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: WO0012234, A Date: April 2, 2012

MONTHLY TOTAL ORGANIC CARBON REMOVAL REPORT (TOCMOR)

FOR SURFACE WATER OR GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER SYSTEMS

PUBLIC WATER SYSTEM NAME: City Of Corsicana
 PWS ID No.: 1750002

PLANT NAME OR NUMBER: Lake Halbert WTP
 Month: March Year: 2012

Type of treatment: Conventional Unconventional explain: _____

Note: Systems are required to run one TOC Sample Set every month. Additional space is provided for those systems that do additional sampling

Test No.	Test Date	Monthly TOC Sample Set			Actual % TOC Removed	Step 1 Required Removal %	Step 1 Removal Ratio	Optional data		COMPLIANCE REMOVAL RATIO
		Raw Alkalinity	Raw TOC	Treated TOC				Step 2 Required % Removal	Step 2 Removal Ratio	
		Enter the Sample Set results						calculated	calculated from matrix	
1	3/6	93	6.52	4.21	35.4	35	1.01			1.01
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Avg		93.00	6.52	4.21	35.43		1.01			1.01
Max		93.00	6.52	4.21	35.43		1.01			1.01
Min		93.00	6.52	4.21	35.43		1.01			1.01

TOTAL ORGANIC CARBON (TOC) REMOVAL SUMMARY

TOC Summary					Monthly Compliance Ratio
Raw Water Alkalinity	Raw Water TOC	Treated Water TOC	TOC % Removal	ACC # used	
93	6.52	4.21	35.4	NA	1.01

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.

Operator's Signature: _____ Certificate No. and Grade: WO0012234, A

Date: April 2, 2012

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

TOC ALTERNATIVE COMPLIANCE CRITERIA REPORT
FOR SURFACE WATER OR GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER SYSTEMS

PUBLIC WATER SYSTEM NAME: City Of Corsicana
PWS ID No.: 1750002

PLANT NAME OR NUMBER: Lake Halbert WTP
Month: March Year: 2012

This Alternative Compliance Criteria (ACC) Report is being submitted to request the following ACC: (check one)
(Before you can begin entering data, you must put an "X" in the box that shows the number of the Alternative Compliance Criteria you are applying for.)

#1 #2 #3 #4 #5 #6 #7 #8

ACC #1	Source Water TOC less than 2.0? (either based on most recent month's data OR calculated quarterly as a running annual average)												
	Current Month TOC												
	Month/Year	Q1			Q2			Q3			Q4		
	Average Raw Water TOC	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011	01/2012	02/2012	03/2012
	Quarterly Average RAA												

ACC #2	Treated Water TOC less than 2.0? (either based on most recent month's data OR calculated quarterly as a running annual average)												
	Current Month TOC	4.21											
	Month/Year	Q1			Q2			Q3			Q4		
	Average Treated Water TOC	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011	01/2012	02/2012	03/2012
	Quarterly Average RAA												

ACC #3	Source Water TOC less than 4.0? (calculated quarterly as a running annual average) AND Source water alkalinity over 60 mg/L (as CaCO3)? (calculated quarterly as a running annual average)												
	Month/Year	Q1			Q2			Q3			Q4		
	Average Raw Water TOC	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011	01/2012	02/2012	03/2012
	Quarterly Average RAA												
	Average Raw Water Alkalinity												

AND TTHM and HAA5 no greater than 0.040 mg/L and 0.030 mg/L, respectively? (calculated as a running annual average of quarterly averages)
TTHM RAA for the 4 quarters that end March 2012: mg/L HAA5 RAA for the 4 quarter that end March 2012: mg/L

ACC #4	TTHM and HAA5 no greater than 0.040 mg/L and 0.030 mg/L, respectively? (calculated as a running annual average of quarterly averages)												
	TTHM RAA for the 4 quarters that end March 2012: <input type="text"/> mg/L						HAA5 RAA for the 4 quarters that end March 2012: <input type="text"/> mg/L						
	AND only chlorine is used in the whole plant and distribution system. Chlorine only?: <input type="text"/>												

I certify that for the last 12 months, only free chlorine was used as a disinfectant for primary disinfection and for maintenance of a residual in the distribution system.

Certified Operators Signature/ Certificate Number / Date

ACC #5	Source water SUVA less than or equal to 2.0 L/mg-m? (either based on most recent month's data OR calculated quarterly as a running annual average)												
	Current Month SUVA												
	Month/Year	Q1			Q2			Q3			Q4		
	Monthly Raw Water SUVA	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011	01/2012	02/2012	03/2012
	Quarterly Average RAA												

ACC #6	Treated water SUVA less than or equal to 2.0 L/mg-m? (either based on most recent month's data OR calculated quarterly as a running annual average)												
	(Treated water SUVA is the dissolved organic carbon concentration divided by the ultraviolet light absorption at 254 nanometers in the finished water before any disinfection of any kind, or measured using a finished water SUVA jar test. (See the Instructions worksheet for more info.) Measure monthly.												
	Treated water SUVA measured:	In Plant <input type="text"/> By Finished Water SUVA Jar Test <input type="text"/>											
	Current Month SUVA												
	Month/Year	Q1			Q2			Q3			Q4		

Certified Operators Signature / Certificate Number / Date

Month/Year	Q1			Q2			Q3			Q4		
Monthly Treated Water SUVA	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011	01/2012	02/2012	03/2012
Quarterly Average RAA												

ACC #7	Treated water alkalinity less than 60 mg/L (as CaCO3)? (softening practiced) (either based on most recent month's data OR calculated quarterly as a running annual average)												
	Current Month ALK												
	Month/Year	Q1			Q2			Q3			Q4		
	Monthly Treated Alkalinity	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011	01/2012	02/2012	03/2012
	Quarterly Average RAA												

ACC #8	Magnesium hardness removal greater than or equal to 10 mg/L (as CaCO3)? (softening practiced) (either based on most recent month's data OR calculated quarterly as a running annual average)												
	Current Month Mg Hardness												
	Raw												
	Treated												
	Removal												
Month/Year	Q1			Q2			Q3			Q4			
Monthly Raw Mg Hardness	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011	01/2012	02/2012	03/2012	
Monthly Treated Mg Hardness													
Monthly Mg Removal													
Quarterly Average Removal RAA Removal													

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.

Operator's Signature: _____ Certificate No. and Grade: WO0012234, A Date: April 2, 2012

STEP 2 JAR TEST REPORT

FOR SURFACE WATER OR GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER SYSTEMS

PUBLIC WATER SYSTEM NAME: City Of Corsicana
 PWS ID No.: 1750002

PLANT NAME OR NUMBER: Lake Halbert WTP
 DATE OF JAR TEST: _____

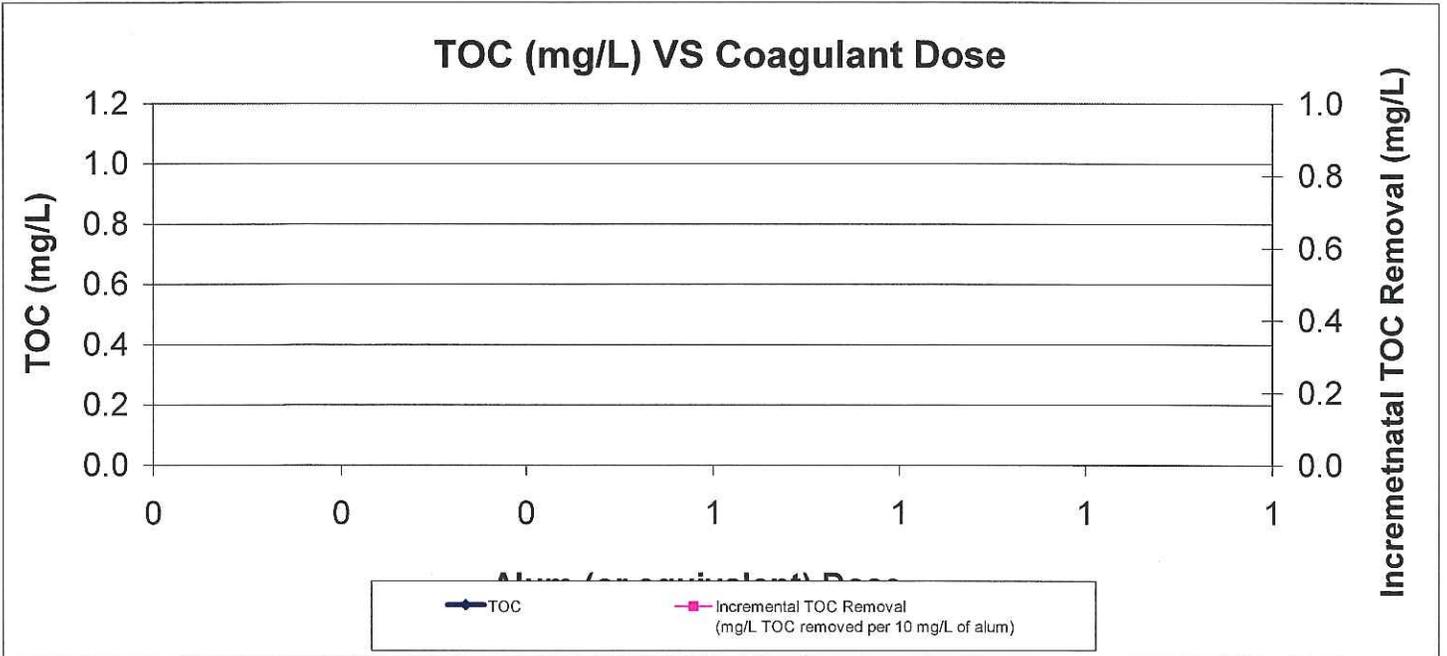
PLANT CONDITIONS								
RAW WATER SOURCE(s)	COAGULANT		COAGULANT AID		FLOC AID		pH ADJUSTMENT	
	Type	Dose (mg/L)	Type	Dose (mg/L)	Type	Dose (mg/L)	Type	Dose (mg/L)

STEP 2 JAR TEST PARAMETERS									
COAGULANT		BASE		JAR SIZE	JAR TEST CONDITIONS				
Type	Stock Solution Concentration (g/L)	Type	Stock Solution Concentration (g/L)	Volume (liters)	Rapid Mix		Flocculation		Settling
					Speed (rpm)	Duration (minutes)	Speed (rpm)	Duration (minutes)	Duration (minutes)

JAR TEST RESULTS									
Jar No.	COAGULANT		BASE		Alkalinity (mg/L as CaCO ₃)	pH	TOC (mg/L)	Incremental TOC Removal (mg/L TOC removed per 10 mg/L of alum)	Cumulative TOC Removal (%)
	Dose (Alum eq.) (mg/L)	Volume (mL)	Dose (mg/L)	Volume (mL)					
RAW									
1					Target pH (based on raw water alkalinity)				
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

Has the TCEQ approved this source as "Not Amenable" to Treatment even though Target pH was not reached?
 If "yes", provide the date of the TCEQ letter or e-mail.

TOC, % Removal at Apparent PODR:



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.

Operator's Signature: _____

Certificate No. and Grade: WO0012234, A