

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: February 2012

Operator's Signature: _____
Certificate No. & Grade: WO0012234, A Date: March 1, 2012

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	<u>149</u>	Number of 4-hour periods when plant was off-line:	<u>25</u>
Number of readings above 0.10 NTU:	<u>81</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>0.20</u> NTU	Average turbidity value:	<u>0.11</u> NTU
	Minimum turbidity reading:	<u>0.07</u> NTU	Standard deviation:	<u>0.024</u> NTU
	CFE 95 th percentile value:	<u>0.16</u> NTU	IFE 95 th percentile:	<u>0.140</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>29</u>
		Number of days when CT data was not collected:	<u>29</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>59</u>	(at least 29 required) (8)	
Average disinfectant residual value:	<u>2.26</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:	<input checked="" 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 (9)	<input type="radio"/> Filter Assessment (10)	<input type="radio"/> 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: 10,835

Month: February 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	0.760	0.760	14	83							X	X	0.14	0.11	X	X	2.8	
2	1.570	1.570	17	85							X	0.15	0.15	0.18	0.16	0.12	3.0	
3	1.590	1.403	17	84							0.12	0.12	0.14	0.14	0.15	X	3.3	
4	1.580	1.487	15	86							0.20	0.16	0.18	0.13	0.12	0.13	2.3	
5	1.570	1.507	18	86							0.11	0.10	0.08	0.08	0.07	0.07	3.7	
6	1.580	1.480	16	86							0.10	0.09	0.11	0.14	0.13	0.13	3.8	
7	1.670	1.521	16	84							0.14	0.12	0.15	0.14	0.11	0.11	2.2	
8	1.570	1.478	16	83							0.13	0.12	0.12	0.12	0.11	0.11	3.2	
9	1.570	1.570	18	84							0.10	0.10	0.15	0.14	0.13	0.10	3.6	
10	1.570	1.474	17	85							0.09	0.09	0.13	0.14	0.14	0.14	2.0	
11	0.980	0.916	18	86							0.14	0.13	X	X	X	0.12	3.6	
12	1.570	1.570	16	84							0.13	0.11	0.11	0.09	0.09	0.11	3.8	
13	1.050	1.016	14	85							0.10	0.09	X	X	0.10	0.09	3.6	
14	1.690	1.584	16	86							0.10	0.10	0.11	0.12	0.10	0.09	3.2	
15	1.770	1.770	16	84							0.10	0.10	0.10	0.11	0.10	0.10	3.1	
16	1.770	1.632	17	84							0.11	0.11	0.11	0.10	0.10	0.10	3.2	
17	1.640	1.549	17	86							0.10	0.10	0.11	0.18	0.11	0.11	3.4	
18	0.560	0.560	17	87							X	X	0.17	0.16	0.14	X	3.2	
19	1.770	1.644	21	84							X	0.16	0.16	0.12	0.13	0.14	3.2	
20	1.580	1.580	18	84							0.11	0.10	0.09	0.09	0.09	0.09	3.5	
21	1.050	0.992	19	84							X	X	X	0.10	0.09	0.09	3.3	
22	1.020	0.960	18	84							X	X	X	0.12	0.10	0.10	3.1	
23	1.250	1.250	19	85							X	X	0.10	0.10	0.11	0.10	2.8	
24	1.770	1.680	20	86							0.10	0.09	0.10	0.10	0.10	0.10	3.2	
25	1.770	1.770	20	86							0.10	0.10	0.10	0.09	0.09	0.10	3.5	
26	1.770	1.770	20	86							0.11	0.11	0.11	0.10	0.08	0.09	3.0	
27	1.100	1.017	22	84							0.09	0.08	0.11	0.08	X	X	3.6	
28	1.750	1.576	20	84							0.14	0.09	0.11	0.10	0.10	0.10	2.1	
29	1.780	1.670	20	84							0.12	0.11	0.14	0.12	0.11	0.10	2.2	
30																		
31																		
Total	42.670	40.756																
Avg	1.471	1.405																
Max	1.780	1.770																
Min	0.560	0.560																

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: March 1, 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: February 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	0.10	0.10	X	X	X	X	0.17	0.17												
2	0.10	0.10	0.13	0.13	X	X	0.08	0.08												
3	0.08	X	0.19	0.19	X	X	0.24	X												
4	0.12	X	X	X	X	X	0.09	X												
5	0.09	X	X	X	X	X	0.08	X												
6	0.08	X	X	X	X	X	0.13	0.13												
7	0.08	X	0.12	0.12	X	X	0.14	X												
8	X	X	0.11	X	X	X	0.09	X												
9	X	X	0.10	X	X	X	0.08	X												
10	0.14	0.14	0.08	X	X	X	0.07	X												
11	0.11	0.11	X	X	X	X	0.07	0.07												
12	0.10	X	X	X	X	X	0.07	X												
13	0.08	0.08	X	X	X	X	0.06	0.06												
14	0.11	0.11	X	X	X	X	0.06	X												
15	0.09	X	0.11	0.11	X	X	0.05	X												
16	0.07	X	0.10	X	X	X	X	X												
17	0.07	X	0.08	X	X	X	0.09	0.09												
18	X	X	0.07	0.07	X	X	0.09	0.09												
19	0.13	0.13	X	X	X	X	0.07	0.07												
20	0.07	X	X	X	X	X	0.07	X												
21	0.08	0.08	X	X	X	X	0.05	0.05												
22	0.09	0.09	X	X	X	X	0.03	0.03												
23	0.10	0.10	X	X	0.08	0.07	0.05	0.05												
24	0.07	X	0.12	0.12	0.08	X	X	X												
25	0.11	0.11	0.11	X	0.06	0.06	X	X												
26	0.09	X	0.10	X	X	X	X	X												
27	0.07	X	0.07	X	X	X	X	X												
28	0.10	0.10	0.13	0.11	0.06	0.06	0.04	0.04												
29	0.08	X	0.10	X	X	X	0.11	0.11												
30																				
31																				

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: W00012234, A Date: March 1, 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: February 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	Timer
1	NA D1								
	FCL D2	1.0	2.100	16.0	7.0				
	CLA D3	2.8	2.100	14.0	7.2				
	D4								
	D5								
2	NA D1								
	FCL D2	1.0	1.600	14.0	7.1				
	CLA D3	3.0	1.600	14.0	7.5				
	D4								
	D5								
3	NA D1								
	FCL D2	1.1	1.600	14.0	6.9				
	CLA D3	3.3	1.600	14.0	7.2				
	D4								
	D5								
4	NA D1								
	FCL D2	1.0	1.600	16.0	6.9				
	CLA D3	3.9	1.600	14.0	7.4				
	D4								
	D5								
5	NA D1								
	FCL D2	1.0	1.600	15.0	7.0				
	CLA D3	3.7	1.600	15.0	7.6				
	D4								
	D5								
6	NA D1								
	FCL D2	1.1	1.600	14.0	7.0				
	CLA D3	3.8	1.600	14.0	7.5				
	D4								
	D5								
7	NA D1								
	FCL D2	1.4	1.700	14.0	7.0				
	CLA D3	3.9	1.700	14.0	7.6				
	D4								
	D5								
8	NA D1								
	FCL D2	1.3	1.600	15.0	7.0				
	CLA D3	3.2	1.600	15.0	7.5				
	D4								
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Timer
9	NA D1								
	FCL D2	1.2	1.600	15.0	7.0				
	CLA D3	3.9	1.600	15.0	7.3				
	D4								
	D5								
10	NA D1								
	FCL D2	1.3	1.600	13.0	6.8				
	CLA D3	2.7	1.600	13.0	7.2				
	D4								
	D5								
11	NA D1								
	FCL D2	1.3	1.600	13.0	6.8				
	CLA D3	3.7	1.600	13.0	7.0				
	D4								
	D5								
12	NA D1								
	FCL D2	1.4	1.600	13.0	7.0				
	CLA D3	3.8	1.600	13.0	7.3				
	D4								
	D5								
13	NA D1								
	FCL D2	1.4	1.600	14.0	6.9				
	CLA D3	3.9	1.600	14.0	7.5				
	D4								
	D5								
14	NA D1								
	FCL D2	1.4	1.800	13.0	7.1				
	CLA D3	4.0	1.800	13.0	7.2				
	D4								
	D5								
15	NA D1								
	FCL D2	1.3	1.800	13.0	6.9				
	CLA D3	3.8	1.800	13.0	7.3				
	D4								
	D5								
16	NA D1								
	FCL D2	1.6	1.800	13.0	7.0				
	CLA D3	3.4	1.800	14.0	7.5				
	D4								
	D5								

NOTE: † ONLY use the "Timer" 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: March 1, 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: Lake Halbert WTP
OR NUMBER: _____
Month: February 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			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	Timer†
17	NA D1								
	FCL D2	1.4	1.800	12.0	6.7				
	CLA D3	3.4	1.800	12.0	7.1				
	D4								
	D5								
18	NA D1								
	FCL D2	1.3	1.800	14.0	7.0				
	CLA D3	3.2	1.800	12.0	7.7				
	D4								
	D5								
19	NA D1								
	FCL D2	1.5	1.800	13.0	6.9				
	CLA D3	3.2	1.800	13.0	7.5				
	D4								
	D5								
20	NA D1								
	FCL D2	1.4	1.800	12.0	7.0				
	CLA D3	3.9	1.800	12.0	7.4				
	D4								
	D5								
21	NA D1								
	FCL D2	1.5	1.800	14.0	7.0				
	CLA D3	3.6	1.800	12.0	7.2				
	D4								
	D5								
22	NA D1								
	FCL D2	1.4	1.800	17.0	7.0				
	CLA D3	3.1	1.800	14.0	7.1				
	D4								
	D5								
23	NA D1								
	FCL D2	1.0	1.800	15.0	7.4				
	CLA D3	3.0	1.800	14.0	7.8				
	D4								
	D5								
24	NA D1								
	FCL D2	1.1	1.800	14.0	6.9				
	CLA D3	3.4	1.800	14.0	7.2				
	D4								
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Timer†
25	NA D1								
	FCL D2	1.6	1.800	14.0	6.9				
	CLA D3	3.7	1.800	14.0	7.1				
	D4								
	D5								
26	NA D1								
	FCL D2	1.3	1.800	14.0	6.9				
	CLA D3	3.5	1.800	14.0	7.8				
	D4								
	D5								
27	NA D1								
	FCL D2	1.4	1.800	14.0	6.8				
	CLA D3	3.9	1.800	14.0	7.3				
	D4								
	D5								
28	NA D1								
	FCL D2	1.4	1.800	16.0	7.0				
	CLA D3	3.8	1.800	17.0	7.5				
	D4								
	D5								
29	NA D1								
	FCL D2	1.2	1.800	16.0	7.0				
	CLA D3	3.3	1.800	15.0	7.3				
	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

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

SUBMITTED BY: _____

Certificate No. and Grade: W00012234, A

Date: March 1, 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: February 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						<i>calculated</i>	<i>calculated from matrix</i>	
1	2/7	88	6.42	3.94	38.6	35	1.10			1.10
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		88.00	6.42	3.94	38.63		1.10			1.10
Max		88.00	6.42	3.94	38.63		1.10			1.10
Min		88.00	6.42	3.94	38.63		1.10			1.10

TOTAL ORGANIC CARBON (TOC) REMOVAL SUMMARY

TOC Summary					Monthly Compliance Ratio
Raw Water Alkalinity	Raw Water TOC	Treated Water TOC	TOC % Removal	ACC # used	
88	6.42	3.94	38.6	NA	1.10

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: March 1, 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: February 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		
		01/2011	02/2011	03/2011	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011
6.42													
Average Raw Water TOC													
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	Month/Year	Q1			Q2			Q3			Q4		
		01/2011	02/2011	03/2011	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011
3.94													
Average Treated Water TOC													
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		
	01/2011	02/2011	03/2011	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011
Average Raw Water TOC												
Quarterly Average												
RAA												
Average Raw Water Alkalinity												
Quarterly Average												
RAA												

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 December 2011: mg/L HAA5 RAA for the 4 quarters that end December 2011: 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 December 2011: mg/L HAA5 RAA for the 4 quarters that end December 2011: mg/L

AND only chlorine is used in the whole plant and distribution system. Chlorine only?:

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)

(Source water SUVA is the dissolved organic carbon concentration divided by the ultraviolet light absorption at 254 nanometers in the source water before any treatment of any kind. Measure monthly.)

Current Month SUVA	Month/Year	Q1			Q2			Q3			Q4		
		01/2011	02/2011	03/2011	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011
Monthly Raw Water SUVA													
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
 By Finished Water SUVA Jar Test

I certify that an oxidant was used upstream of the Treated Water TOC monitoring point during the period for which treated water SUVA data is reported.

Certified Operators Signature / Certificate Number / Date

Current Month SUVA	Month/Year	Q1			Q2			Q3			Q4		
		01/2011	02/2011	03/2011	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011
Monthly Treated Water SUVA													
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		
		01/2011	02/2011	03/2011	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011
Monthly Treated Alkalinity													
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	Month/Year	Q1			Q2			Q3			Q4		
		01/2011	02/2011	03/2011	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011
Raw													
Treated													
Removal													
Monthly Raw Mg Hardness													
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: March 1, 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: _____

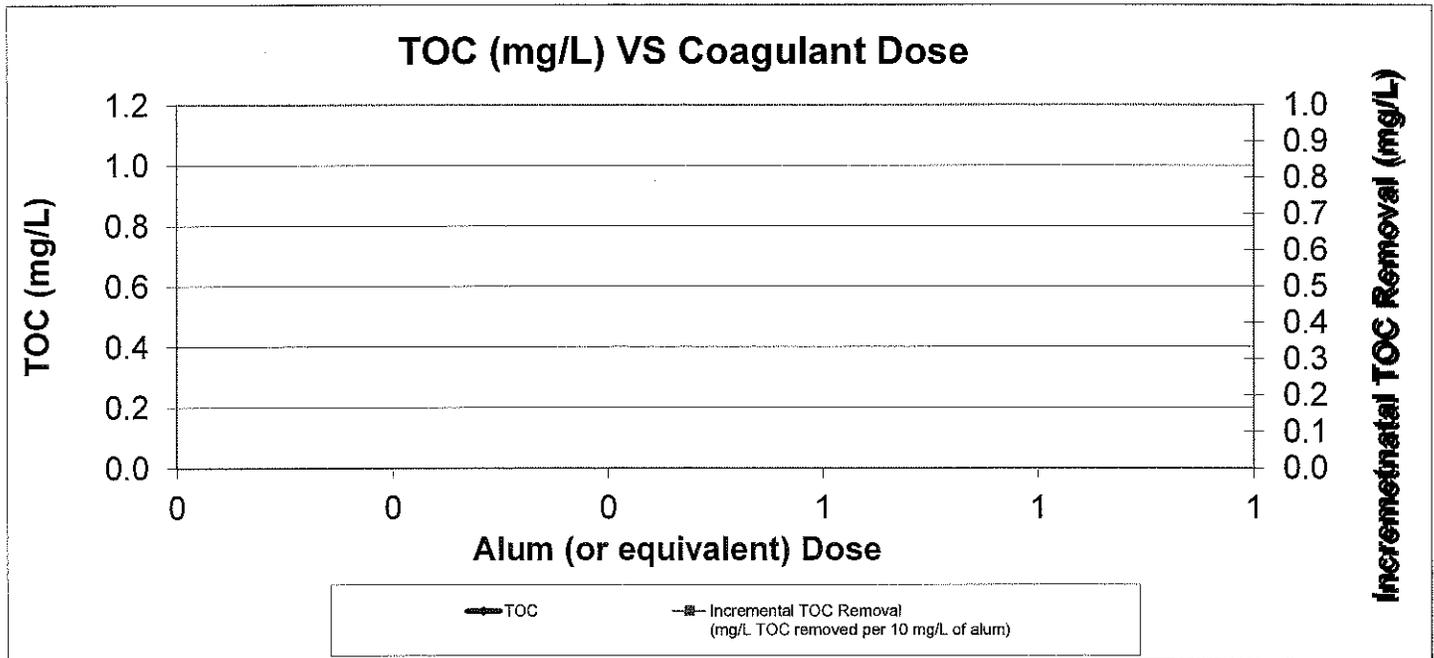
PLANT CONDITIONS								
RAW WATER SOURCE(s)	COAGULANT		COAGULANT AID		FLOC AID		pH ADJUSTMENT	
	Type	Dose (mg/L)	Type	Dose (mg/L)	Type	Dose (mg/L)	Type	Dose (mg/L)

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	0								
1									
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