

# 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

Operator's Signature: \_\_\_\_\_

Report for  
the Month of: July 2014

Certificate No. & Grade: WO0012234, A

Date: August 1, 2014

## TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	<u>166</u>	Number of 4-hour periods when plant was off-line:	<u>20</u>
Number of readings above 0.10 NTU:	<u>0</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)		
<b>Statistical Summary</b>	Maximum turbidity reading:	<u>0.08</u> NTU	Average turbidity value:
	Minimum turbidity reading:	<u>0.03</u> NTU	<u>0.05</u> NTU
	CFE 95 <sup>th</sup> percentile value:	<u>0.06</u> NTU	Standard deviation:
			<u>0.009</u> NTU
			IFE 95 <sup>th</sup> percentile:
			<u>0.070</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>31</u>
		Number of days when CT data was not collected:	<u>0</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>2.17</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 not required because there were no treatment technique or monitoring/reporting violations 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: 10,854

Month: July Year: 2014

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	1.500	1.455	27	116							0.05	0.05	0.04	0.04	0.08	0.05	2.7	
2	2.330	2.314	29	116							0.05	0.05	0.04	0.04	0.04	0.04	2.9	
3	1.490	1.496	38	116							x	x	0.06	0.05	0.05	0.05	2.6	
4	2.022	2.022	37	115							x	x	0.08	0.04	0.05	0.05	2.5	
5	2.243	2.243	35	117							x	x	0.06	0.04	0.04	0.04	2.7	
6	2.760	2.676	36	116							0.05	0.05	0.05	0.04	0.05	0.04	3.0	
7	1.614	1.518	15	113							x	x	0.08	0.05	0.07	0.06	2.3	
8	1.365	1.365	15	116							x	x	0.06	0.04	0.05	0.05	2.6	
9	1.642	1.543	16	115							x	x	x	0.05	0.04	0.04	3.0	
10	2.406	2.406	20	116							0.04	0.04	0.04	0.05	0.05	0.04	2.8	
11	1.569	1.569	20	115							0.04	0.04	0.04	0.04	0.04	0.04	2.5	
12	1.650	1.650	31	116							0.04	0.04	0.05	0.05	0.05	0.04	2.9	
13	1.530	1.499	29	115							0.05	0.04	0.04	0.04	0.04	0.04	3.0	
14	2.131	2.131	25	114							0.04	0.04	x	0.05	0.04	0.04	2.9	
15	2.347	2.273	29	116							0.04	0.04	0.08	0.04	0.04	0.04	2.7	
16	2.302	2.302	30	116							0.04	0.04	0.04	0.04	0.03	0.03	2.9	
17	1.846	1.846	26	116							0.04	0.04	0.03	0.04	0.04	0.04	2.9	
18	1.604	1.604	31	115							0.04	0.04	0.04	0.04	0.05	0.05	3.0	
19	0.920	0.962	33	113							0.07	0.06	0.05	0.05	x	x	2.7	
20	0.620	0.690	42	114							x	x	0.06	0.06	x	x	2.7	
21	1.600	1.595	50	115							0.07	0.05	0.04	0.04	0.05	0.05	2.7	
22	1.600	1.542	36	116							0.05	0.05	0.04	0.04	0.06	0.05	2.8	
23	1.615	1.615	31	114							0.05	0.05	0.04	0.05	0.04	0.05	2.9	
24	1.765	1.765	39	113							0.04	0.04	0.04	0.04	0.04	0.04	2.9	
25	2.501	2.420	35	113							0.06	0.05	0.04	0.04	0.04	0.04	2.8	
26	2.390	2.321	32	112							0.04	0.04	0.04	0.05	0.05	0.05	2.8	
27	1.628	1.628	31	113							0.05	0.05	0.05	0.05	0.05	0.05	2.9	
28	1.853	1.767	31	109							0.05	0.05	0.04	0.04	0.04	0.04	2.8	
29	2.115	2.029	30	108							0.04	0.04	0.04	0.05	0.05	0.05	3.0	
30	1.596	1.596	27	107							0.05	0.05	0.05	0.05	0.05	0.05	2.9	
31	1.621	1.621	26	106							0.07	0.06	0.05	0.05	0.05	0.05	2.8	
<b>Total</b>	56.175	55.463																
<b>Avg</b>	1.812	1.789																
<b>Max</b>	2.760	2.676																
<b>Min</b>	0.620	0.690																

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: August 1, 2014

# 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 WTP

PWS ID No.: 1750002

Month:

July

Year:

2014

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	0.05	0.05	0.05	x	0.04	x	0.07	x												
2	0.05	x	0.06	0.06	0.04	x	0.06	x												
3	0.04	0.04	0.05	0.05	0.07	0.07	0.04	0.04												
4	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.04												
5	0.04	0.04	0.05	0.05	0.05	0.05	0.04	0.04												
6	0.06	0.06	0.05	x	0.05	x	0.05	x												
7	0.05	0.05	0.07	0.07	0.04	0.04	0.03	0.03												
8	0.04	0.04	0.06	0.06	0.04	0.04	0.03	0.03												
9	0.04	0.04	0.06	0.06	0.06	0.05	0.04	0.03												
10	0.04	x	0.05	x	0.06	x	0.04	x												
11	0.04	x	0.05	x	x	x	0.04	x												
12	0.04	x	0.05	x	0.06	0.06	0.04	x												
13	x	x	0.06	x	0.05	x	0.04	x												
14	0.05	0.05	0.06	0.06	0.05	0.05	0.03	0.03												
15	0.04	x	0.05	x	0.07	0.07	0.03	x												
16	0.04	x	0.05	x	0.07	x	0.03	x												
17	0.04	x	0.05	x	0.06	x	0.03	x												
18	0.04	x	0.06	x	0.06	x	0.07	0.07												
19	x	x	0.05	x	0.05	x	0.06	x												
20	x	x	0.05	0.05	0.05	0.05	0.05	0.05												
21	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05												
22	0.06	x	0.06	0.06	0.05	x	0.04	x												
23	0.04	x	0.06	x	x	x	0.04	x												
24	0.04	x	0.06	x	0.07	0.07	0.04	x												
25	0.06	x	0.05	x	0.07	x	0.04	x												
26	0.07	0.07	0.07	0.07	0.06	x	0.04	x												
27	0.05	x	x	x	0.06	x	0.04	x												
28	0.05	x	0.07	0.07	0.07	0.07	0.05	x												
29	0.08	0.08	0.06	x	0.07	x	0.04	x												
30	0.09	x	x	x	0.07	x	0.04	x												
31	0.08	x	x	x	0.05	x	0.04	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: August 1, 2014

# 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: July Year: 2014

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 <sub>10</sub> (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	FCL D1								
	FCL D2	1.0	1.500	28.0	6.9				
	CLA D3	3.0	1.500	28.0	7.6	4.42*	104.51*	8.85	
	D4							(G)	
	D5								
2	FCL D1								
	FCL D2	1.5	3.000	28.0	6.9				
	CLA D3	3.1	3.000	28.0	7.6	3.09*	78.19*	6.19	
	D4							(G)	
	D5								
3	FCL D1								
	FCL D2	0.8	2.400	28.0	6.9				
	CLA D3	2.6	2.400	28.0	7.4	2.27*	52.29*	4.54	
	D4							(G)	
	D5								
4	FCL D1								
	FCL D2	1.0	3.000	28.0	6.8				
	CLA D3	2.5	3.000	28.0	7.3	2.26*	52.19*	4.53	
	D4							(G)	
	D5								
5	FCL D1								
	FCL D2	1.0	3.000	27.0	6.8				
	CLA D3	2.7	3.000	29.0	7.3	2.13*	48.77*	4.26	
	D4							(G)	
	D5								
6	FCL D1								
	FCL D2	1.1	3.000	28.0	6.8				
	CLA D3	3.2	3.000	28.0	7.3	2.49*	57.47*	4.98	
	D4							(G)	
	D5								
7	FCL D1								
	FCL D2	0.7	2.400	28.0	6.8				
	CLA D3	2.3	2.400	29.0	7.3	2.07*	45.79*	4.15	
	D4							(G)	
	D5								
8	FCL D1								
	FCL D2	1.0	2.000	29.0	6.8				
	CLA D3	2.6	2.000	29.0	7.5	3.64*	83.92*	7.27	
	D4							(G)	
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time=
9	FCL D1								
	FCL D2	1.1	2.200	29.0	6.9				
	CLA D3	3.2	2.200	29.0	7.5	3.50*	83.99*	7.00	
	D4							(G)	
	D5								
10	FCL D1								
	FCL D2	1.0	2.200	30.0	6.9				
	CLA D3	2.9	2.200	30.0	7.5	3.43*	81.83*	6.86	
	D4							(G)	
	D5								
11	FCL D1								
	FCL D2	1.0	1.500	30.0	6.9				
	CLA D3	3.2	1.500	30.0	7.5	5.06*	120.12*	10.12	
	D4							(G)	
	D5								
12	FCL D1								
	FCL D2	1.1	1.500	30.0	6.9				
	CLA D3	3.1	1.500	29.0	7.4	5.47*	131.93*	10.94	
	D4							(G)	
	D5								
13	FCL D1								
	FCL D2	1.2	1.500	29.0	6.8				
	CLA D3	3.0	1.500	29.0	7.3	5.69*	134.24*	11.38	
	D4							(G)	
	D5								
14	FCL D1								
	FCL D2	1.1	3.000	30.0	6.8				
	CLA D3	3.1	3.000	30.0	7.5	2.83*	66.00*	5.66	
	D4							(G)	
	D5								
15	FCL D1								
	FCL D2	1.1	2.200	30.0	6.8				
	CLA D3	3.1	2.200	30.0	7.4	3.86*	90.00*	7.72	
	D4							(G)	
	D5								
16	FCL D1								
	FCL D2	1.0	2.200	30.0	6.8				
	CLA D3	3.2	2.200	31.0	7.3	3.57*	81.95*	7.14	
	D4							(G)	
	D5								

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

\* Not representative of total log inactivation(s) and/or total inactivation ratio for all disinfection zones; Excluded from statistical summary calculations.

SUBMITTED BY: \_\_\_\_\_ Certificate No. and Grade: WO0012234, A Date: August 1, 2014

# 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: July Year: 2014

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 <sub>10</sub> (minutes)	78.3	15.1	9.0						

PERFORMANCE DATA									
Date	DISINFECTION PROCESS DATA								
	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time=
17	FCL D1								
	FCL D2	1.1	2.200	29.0	6.8				
	CLA D3	3.0	2.200	29.0	7.3	3.61*	83.95*	7.22	
	D4							(G)	
	D5								
18	FCL D1								
	FCL D2	1.0	1.500	29.0	6.9				
	CLA D3	3.0	1.500	29.0	7.6	4.72*	112.01*	9.44	
	D4							(G)	
	D5								
19	FCL D1								
	FCL D2	0.8	1.500	28.0	6.8				
	CLA D3	2.9	1.500	28.0	7.7	3.78*	83.75*	7.56	
	D4							(G)	
	D5								
20	FCL D1								
	FCL D2	0.7	1.500	28.0	6.7				
	CLA D3	2.7	1.500	28.0	7.5	3.47*	73.32*	6.94	
	D4							(G)	
	D5								
21	FCL D1								
	FCL D2	0.6	1.600	29.0	6.8				
	CLA D3	2.7	1.600	29.0	7.3	2.94*	63.26*	5.88	
	D4							(G)	
	D5								
22	FCL D1								
	FCL D2	0.8	1.600	29.0	6.8				
	CLA D3	2.8	1.600	28.0	7.3	3.77*	84.07*	7.54	
	D4							(G)	
	D5								
23	FCL D1								
	FCL D2	0.8	1.600	28.0	6.8				
	CLA D3	2.9	1.600	28.0	7.3	3.54*	78.51*	7.09	
	D4							(G)	
	D5								
24	FCL D1								
	FCL D2	0.9	2.400	27.0	6.8				
	CLA D3	3.0	2.400	28.0	7.6	2.45*	54.93*	4.91	
	D4							(G)	
	D5								

PERFORMANCE DATA										
Date	DISINFECTION PROCESS DATA									
	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time=	
25	FCL D1									
	FCL D2	0.9	2.400	27.0	6.8					
	CLA D3	3.0	2.400	27.0	7.6	2.45*	54.90*	4.91		
	D4							(G)		
	D5									
26	FCL D1									
	FCL D2	0.9	2.400	28.0	6.8					
	CLA D3	2.9	2.400	28.0	7.4	2.61*	58.82*	5.22		
	D4							(G)		
	D5									
27	FCL D1									
	FCL D2	0.9	1.500	29.0	6.8					
	CLA D3	2.9	1.500	29.0	7.5	4.46*	100.87*	8.92		
	D4							(G)		
	D5									
28	FCL D1									
	FCL D2	0.7	2.000	29.0	6.8					
	CLA D3	3.0	2.000	29.0	7.3	2.71*	59.01*	5.41		
	D4							(G)		
	D5									
29	FCL D1									
	FCL D2	0.9	2.000	29.0	6.8					
	CLA D3	3.0	2.000	30.0	7.4	3.35*	75.72*	6.70		
	D4							(G)		
	D5									
30	FCL D1									
	FCL D2	0.9	1.500	29.0	6.8					
	CLA D3	3.0	1.500	29.0	7.4	4.47*	100.90*	8.94		
	D4							(G)		
	D5									
31	FCL D1									
	FCL D2	0.8	1.500	28.0	6.8					
	CLA D3	3.0	1.500	28.0	7.3	3.79*	83.77*	7.58		
	D4							(G)		
	D5									
								Max	NA	NA
								Min	NA	NA
								Avg	NA	NA
								SD	NA	NA

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

\* Not representative of total log inactivation(s) and/or total inactivation ratio for all disinfection zones; Excluded from statistical summary calculations.

SUBMITTED BY: \_\_\_\_\_ Certificate No. \_\_\_\_\_ and Grade: WO0012234, A Date: August 1, 2014

# 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  
 Type of treatment:  Conventional  Unconventional explain: \_\_\_\_\_

PLANT NAME OR NUMBER: Lake Halbert WTP  
 Month: July Year: 2014

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	7/1	117	6.58	4.87	26.0	35	0.74			0.74
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
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24										
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26										
27										
28										
29										
30										
31										
<b>Avg</b>		117.00	6.58	4.87	25.99		0.74			0.74
<b>Max</b>		117.00	6.58	4.87	25.99		0.74			0.74
<b>Min</b>		117.00	6.58	4.87	25.99		0.74			0.74

### TOTAL ORGANIC CARBON (TOC) REMOVAL SUMMARY

TOC Summary: Don't forget to include a copy of your P.7-TOC ACC worksheet with your report.					Monthly Compliance Ratio
Raw Water Alkalinity	Raw Water TOC	Treated Water TOC	TOC % Removal	ACC # used	
117	6.58	4.87	26.0	5 Mo. Avg	1.00

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: August 1, 2014

**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: July Year: 2014

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

ACC #2

ACC #3

ACC #4

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
1.84

ACC #6

ACC #7

ACC #8

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: August 1, 2014

# STEP 2 JAR TEST REPORT

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

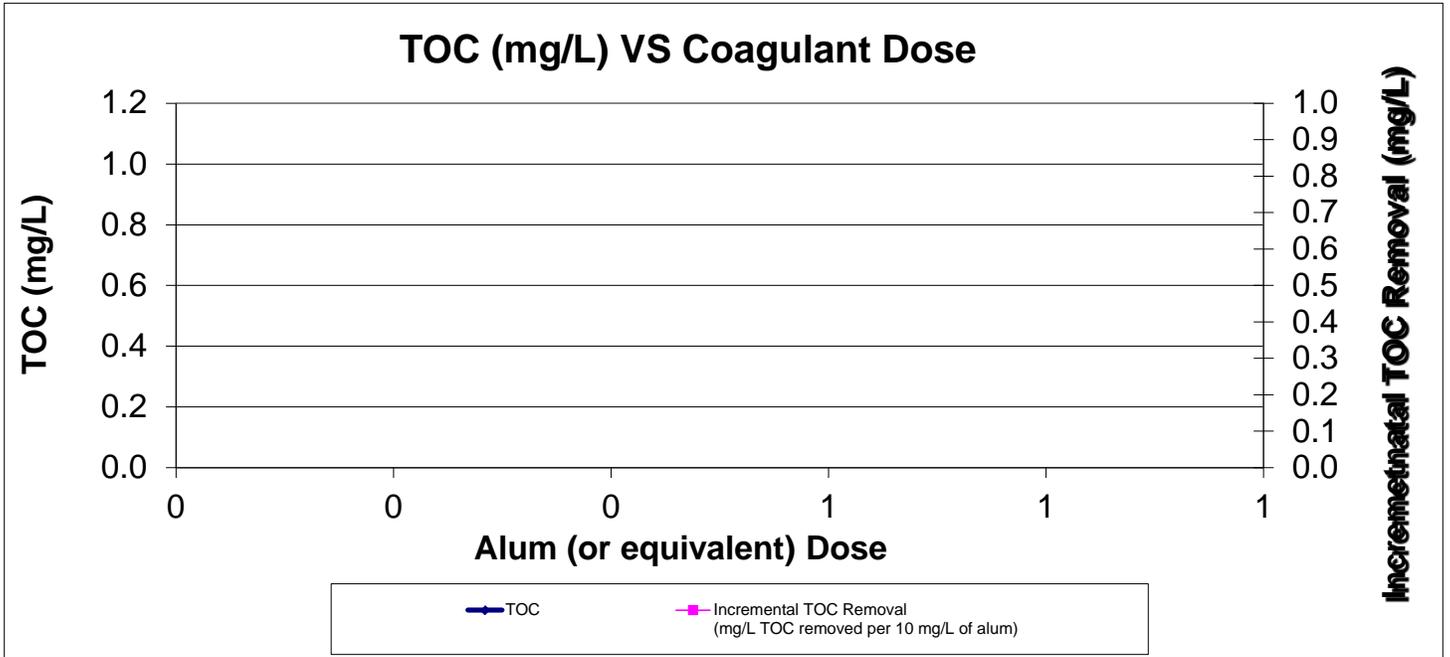
PUBLIC WATER SYSTEM NAME: City Of Corsicana  
 PWS ID No.: 1750002

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 <sub>3</sub> )	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									
2									
3									
4									
5					Target pH (based on raw water alkalinity)				
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