

# 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: June 2014

Operator's Signature: \_\_\_\_\_  
Certificate No. & Grade: WO0012234, A Date: July 1, 2014

## TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	<u>172</u>	Number of 4-hour periods when plant was off-line:	<u>8</u>
Number of readings above 0.10 NTU:	<u>1</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>0.16</u> NTU
		Minimum turbidity reading:	<u>0.03</u> NTU
		CFE 95 <sup>th</sup> percentile value:	<u>0.09</u> NTU
		Average turbidity value:	<u>0.07</u> NTU
		Standard deviation:	<u>0.014</u> NTU
		IFE 95 <sup>th</sup> percentile:	<u>0.079</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>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>60</u>	(at least 30 required) (8)	
Average disinfectant residual value:	<u>1.82</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: 10,855

Month: June 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	1.620	1.588	46	121							0.09	0.09	0.08	0.08	0.07	0.07	3.4	
2	1.600	1.572	52	120							0.08	0.08	0.08	0.07	0.08	0.08	3.3	
3	1.600	1.615	45	119							0.09	0.09	0.08	0.08	0.08	0.08	3.6	
4	2.321	2.321	50	120							0.07	0.07	0.06	0.06	0.03	0.06	3.7	
5	3.000	2.895	42	120							0.07	0.07	0.08	0.07	0.07	0.07	3.7	
6	2.860	2.744	34	120							0.07	0.07	0.07	0.08	0.09	0.08	3.2	
7	2.241	2.140	31	119							x	x	0.10	0.08	0.07	0.07	2.8	
8	2.577	2.377	42	121							0.08	0.08	0.08	0.08	0.08	0.08	3.0	
9	0.506	0.506	47	120							0.08	0.08	x	x	x	x	3.5	
10	1.650	1.650	39	118							x	0.16	0.10	0.09	0.08	0.08	2.7	
11	2.294	2.294	35	118							0.07	0.07	0.06	0.06	x	0.07	2.7	
12	1.623	1.623	50	118							0.07	0.07	0.06	0.06	0.06	0.06	2.9	
13	1.617	1.617	45	118							0.07	0.06	0.07	0.07	0.08	0.07	2.9	
14	1.660	1.573	36	116							0.07	0.07	0.08	0.07	0.07	0.07	2.7	
15	1.527	1.438	37	117							0.08	0.07	0.07	0.07	0.07	0.07	2.8	
16	1.704	1.610	36	117							0.07	0.07	0.07	0.07	0.07	0.07	2.6	
17	1.500	1.564	30	116							0.07	0.07	0.06	0.06	0.06	0.06	3.0	
18	1.622	1.622	29	116							0.06	0.06	0.06	0.06	0.06	0.06	2.9	
19	1.568	1.483	24	116							0.06	0.06	0.07	0.07	0.07	0.07	2.9	
20	1.669	1.572	37	117							0.07	0.07	0.07	0.07	0.06	0.07	2.8	
21	1.620	1.645	42	117							0.07	0.07	0.07	0.06	0.06	0.06	2.9	
22	1.732	1.732	46	116							0.06	0.06	0.06	0.06	0.06	0.06	2.9	
23	1.618	1.532	35	115							0.06	0.06	0.06	0.06	0.06	0.06	2.9	
24	1.639	1.453	32	116							0.06	0.06	0.06	0.05	0.06	0.06	2.9	
25	1.550	1.550	42	117							0.06	0.05	0.07	0.06	0.10	0.08	3.0	
26	1.500	1.499	29	117							0.08	0.08	0.06	0.06	0.06	0.05	3.0	
27	1.643	1.643	31	115							0.06	0.06	0.06	0.05	0.05	0.05	3.0	
28	1.500	1.587	33	113							0.05	0.05	0.05	0.05	0.05	0.06	3.0	
29	1.500	1.593	34	116							0.05	0.06	0.05	0.05	0.05	0.05	3.0	
30	1.500	1.465	32	116							0.05	0.06	0.05	0.05	0.04	0.03	2.9	
31																		
<b>Total</b>	52.561	51.503																
<b>Avg</b>	1.752	1.717																
<b>Max</b>	3.000	2.895																
<b>Min</b>	0.506	0.506																

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: July 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  
PWS ID No.: 1750002

PLANT NAME  
OR NUMBER: Lake Halbert WTP  
Month: June 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	0.04	x	0.05	x	0.07	0.07	0.04	x												
2	0.06	0.06	0.05	x	0.07	x	x	x												
3	0.06	x	x	x	0.06	x	x	x												
4	0.05	x	0.08	0.08	0.05	x	0.04	0.03												
5	0.08	0.08	0.07	x	0.09	0.09	0.05	x												
6	0.07	x	0.06	x	0.07	x	0.07	0.07												
7	0.05	0.05	0.05	0.05	0.06	0.06	0.07	0.07												
8	0.07	0.07	0.08	0.08	0.06	x	0.07	x												
9	0.06	x	0.06	x	0.09	0.09	0.06	x												
10	0.07	0.07	x	x	0.11	0.11	x	x												
11	0.06	0.06	0.05	0.05	0.06	0.05	0.05	0.05												
12	0.04	x	0.06	x	0.06	x	x	x												
13	0.06	0.06	0.05	x	0.05	x	x	x												
14	0.06	x	0.07	0.07	0.05	x	x	x												
15	0.05	x	0.07	x	0.05	x	0.07	0.07												
16	0.04	x	0.06	x	x	x	0.07	x												
17	0.04	x	0.06	x	x	x	0.06	x												
18	0.04	x	0.05	x	0.07	0.07	0.06	x												
19	x	x	0.05	x	0.07	x	0.06	x												
20	0.06	0.06	0.04	x	0.06	x	0.05	x												
21	0.05	x	0.07	0.07	0.05	x	0.05	x												
22	0.04	x	x	x	0.05	x	0.04	x												
23	0.04	x	0.06	0.06	0.04	x	0.04	x												
24	0.05	0.05	0.06	x	0.06	0.06	0.04	x												
25	0.05	x	0.05	x	0.06	x	x	x												
26	0.04	x	0.05	x	0.05	x	x	x												
27	0.04	x	0.05	x	0.05	x	x	x												
28	0.04	x	0.05	x	0.06	x	x	x												
29	0.04	x	0.05	x	0.05	x	x	x												
30	0.04	x	0.05	x	0.05	x	0.07	0.07												
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: WO0012234, A Date: July 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: June 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	1.4	1.800	25.0	6.7				
	CLA D3	3.8	1.800	25.0	7.3	4.35*	98.96*	8.70	
	D4							(G)	
	D5								
2	FCL D1								
	FCL D2	1.6	1.600	25.0	6.7				
	CLA D3	3.7	1.600	25.0	7.4	5.43*	127.10*	10.86	
	D4							(G)	
	D5								
3	FCL D1								
	FCL D2	1.5	1.600	25.0	6.7				
	CLA D3	3.8	1.600	25.0	7.5	5.17*	119.23*	10.34	
	D4							(G)	
	D5								
4	FCL D1								
	FCL D2	1.3	3.000	26.0	6.8				
	CLA D3	3.9	3.000	26.0	7.6	2.54*	59.14*	5.08	
	D4							(G)	
	D5								
5	FCL D1								
	FCL D2	1.6	3.000	27.0	6.8				
	CLA D3	3.8	3.000	27.0	7.4	3.19*	77.88*	6.39	
	D4							(G)	
	D5								
6	FCL D1								
	FCL D2	1.7	3.000	27.0	6.8				
	CLA D3	3.7	3.000	28.0	7.8	3.35*	82.74*	6.69	
	D4							(G)	
	D5								
7	FCL D1								
	FCL D2	1.5	3.000	27.0	6.8				
	CLA D3	2.8	3.000	27.0	7.5	2.99*	72.92*	5.97	
	D4							(G)	
	D5								
8	FCL D1								
	FCL D2	1.5	3.000	28.0	6.8				
	CLA D3	3.6	3.000	28.0	7.3	3.23*	78.26*	6.46	
	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	1.2	2.200	28.0	6.8				
	CLA D3	3.5	2.200	28.0	7.4	3.67*	85.49*	7.33	
	D4							(G)	
	D5								
10	FCL D1								
	FCL D2	1.1	1.500	27.0	6.7				
	CLA D3	2.7	1.500	27.0	7.3	4.78*	107.11*	9.55	
	D4							(G)	
	D5								
11	FCL D1								
	FCL D2	0.6	3.000	27.0	6.8				
	CLA D3	3.0	3.000	27.0	7.7	1.39*	29.41*	2.79	
	D4							(G)	
	D5								
12	FCL D1								
	FCL D2	1.0	1.500	27.0	6.9				
	CLA D3	2.9	1.500	27.0	7.5	4.14*	97.49*	8.27	
	D4							(G)	
	D5								
13	FCL D1								
	FCL D2	1.1	1.500	26.0	6.8				
	CLA D3	3.1	1.500	26.0	7.5	4.36*	100.03*	8.72	
	D4							(G)	
	D5								
14	FCL D1								
	FCL D2	1.0	1.500	27.0	6.8				
	CLA D3	3.0	1.500	27.0	7.4	4.29*	97.51*	8.58	
	D4							(G)	
	D5								
15	FCL D1								
	FCL D2	1.2	1.500	27.0	6.8				
	CLA D3	3.1	1.500	27.0	7.6	5.00*	116.89*	10.00	
	D4							(G)	
	D5								
16	FCL D1								
	FCL D2	1.1	1.500	27.0	6.8				
	CLA D3	3.0	1.500	28.0	7.7	4.64*	107.24*	9.29	
	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: July 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: June 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	1.2	1.500	28.0	6.8				
	CLA D3	3.2	1.500	28.0	7.7	5.35*	125.30*	10.70	
	D4							(G)	
	D5								
18	FCL D1								
	FCL D2	1.2	1.500	28.0	6.8				
	CLA D3	3.0	1.500	28.0	7.7	5.33*	125.25*	10.66	
	D4							(G)	
	D5								
19	FCL D1								
	FCL D2	1.1	1.500	28.0	6.9				
	CLA D3	3.0	1.500	28.0	7.7	4.79*	114.88*	9.58	
	D4							(G)	
	D5								
20	FCL D1								
	FCL D2	1.2	1.500	28.0	6.9				
	CLA D3	3.1	1.500	28.0	7.7	5.16*	125.28*	10.32	
	D4							(G)	
	D5								
21	FCL D1								
	FCL D2	1.4	2.400	28.0	6.9				
	CLA D3	3.3	2.400	29.0	7.4	3.67*	91.33*	7.34	
	D4							(G)	
	D5								
22	FCL D1								
	FCL D2	1.1	1.800	28.0	6.8				
	CLA D3	3.4	1.800	28.0	7.4	4.16*	95.83*	8.32	
	D4							(G)	
	D5								
23	FCL D1								
	FCL D2	1.2	1.500	28.0	6.8				
	CLA D3	3.0	1.500	28.0	7.4	5.33*	125.25*	10.66	
	D4							(G)	
	D5								
24	FCL D1								
	FCL D2	1.0	1.500	27.0	6.9				
	CLA D3	3.0	1.500	28.0	7.6	4.15*	97.57*	8.29	
	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	1.1	1.500	28.0	6.8					
	CLA D3	3.1	1.500	28.0	7.6	4.97*	114.91*	9.93		
	D4							(G)		
	D5									
26	FCL D1									
	FCL D2	1.0	1.500	27.0	6.9					
	CLA D3	3.0	1.500	27.0	7.5	4.15*	97.51*	8.29		
	D4							(G)		
	D5									
27	FCL D1									
	FCL D2	1.1	1.500	27.0	6.9					
	CLA D3	3.1	1.500	27.0	7.6	4.50*	107.21*	9.00		
	D4							(G)		
	D5									
28	FCL D1									
	FCL D2	1.2	1.500	28.0	6.9					
	CLA D3	3.1	1.500	28.0	7.7	5.16*	125.28*	10.32		
	D4							(G)		
	D5									
29	FCL D1									
	FCL D2	1.1	1.500	28.0	6.9					
	CLA D3	3.1	1.500	28.0	7.7	4.80*	114.91*	9.60		
	D4							(G)		
	D5									
30	FCL D1									
	FCL D2	1.0	1.500	29.0	6.9					
	CLA D3	3.1	1.500	29.0	7.6	4.73*	112.04*	9.46		
	D4							(G)		
	D5									
31	D1									
	D2									
	D3									
	D4									
	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: July 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: June 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						<i>calculated</i>	<i>calculated from matrix</i>	
1	6/2	114	6.68	4.80	28.1	35	0.80			0.80
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										
<b>Avg</b>		114.00	6.68	4.80	28.14		0.80			0.80
<b>Max</b>		114.00	6.68	4.80	28.14		0.80			0.80
<b>Min</b>		114.00	6.68	4.80	28.14		0.80			0.80

### 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	
114	6.68	4.80	28.1	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: July 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: June 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	<b>Source water SUVA less than or equal to 2.0 L/mg-m?</b> (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
	1.93

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: July 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

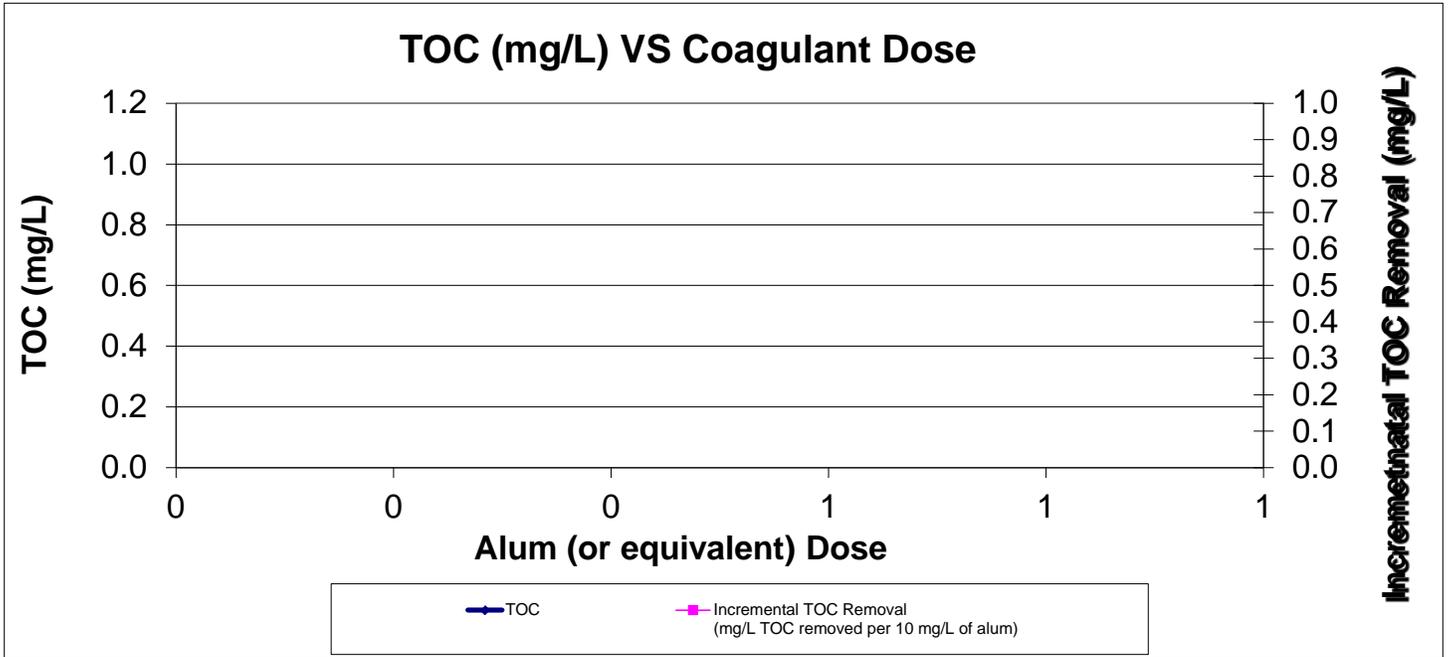
PLANT NAME OR NUMBER: Lake Halbert WTP  
 DATE OF JAR TEST: \_\_\_\_\_

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