

# 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

<b>PUBLIC WATER SYSTEM NAME:</b> <u>City of Corsicana</u>	<b>PLANT NAME OR NUMBER:</b> <u>Lake Halbert</u>
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.	
<b>PWS ID No.:</b> <u>1750002</u> <b>Report for the Month of:</b> <u>September 2007</u>	<b>Operator's Signature:</b> _____ <b>Certificate No. &amp; Grade:</b> <u>W00012234 A</u> <b>Date:</b> <u>October 1, 2007</u>

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	75	Number of 4-hour periods when plant was off-line:	105
Number of readings above 0.10 NTU:	33	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	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:	0.18 NTU	Average turbidity value:
	Minimum turbidity reading:	0.06 NTU	0.10 NTU
			Standard deviation:
			0.023 NTU
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 <input type="radio"/> Filter Assessment <input type="radio"/> CPE	
		Number of days when plant was on-line but individual filter turbidity data was not collected: <u>0</u>	
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	NA
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	NA
		Number of days when profiling data was not collected:	30
		Number of days when CT data was not collected:	30
Minimum disinfectant residual required leaving the plant:	0.5 mg/L	<input type="radio"/> Free Chlorine <input checked="" type="radio"/> Total Chlorine	
Number of days with a low residual for no more than 4.0 consecutive hours:	0		
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM			
Minimum disinfectant residual required in distribution system:	0.5 mg/L	<input type="radio"/> Free Chlorine <input checked="" type="radio"/> Total Chlorine	
Total number of readings this month:	63	Percentage of readings with a low residual this month:	0.0 % (6A)
Average disinfectant residual value:	1.98	Percentage of readings with a low residual last month:	0.0 % (6B)
Number of readings with a low residual:	0		
Number of readings with no detectable residual:	0		

PUBLIC NOTIFICATION			
TREATMENT TECHNIQUE VIOLATIONS	YES/NO	If YES, date when notice was given to:	
		COMMISSIONERS	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	No		
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	No		

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: September Year: 2007

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							
			NTU	Alk.	Basin No.						Turbidity						Lowest Residual	Time
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6		
1	2.282	2.243	24	103							X	X	X	0.06	0.06	0.08	3.6	
2	2.239	2.199	23	109							X	X	X	0.07	0.11	0.09	3.7	
3	2.089	1.979	25	102							X	X	0.08	0.07	0.09	0.12	3.4	
4	1.750	1.658	34	103							X	X	X	0.07	0.12	0.10	3.6	
5	1.375	1.364	32	106							X	X	X	X	0.16	0.10	3.6	
6	2.155	2.112	23	108							X	X	X	0.08	0.07	0.09	3.2	
7	1.313	1.270	34	108							X	X	X	X	0.11	0.14	3.0	
8	1.375	1.370	39	99							X	X	0.15	0.13	X	X	3.3	
9	0.450	0.423	53	98							X	X	X	X	0.13	0.12	2.7	
10	1.125	1.100	44	101							X	X	X	0.10	0.10	0.09	3.0	
11	1.475	1.450	34	118							X	X	X	X	0.09	0.06	3.1	
12	1.240	1.128	27	100							X	X	X	0.09	0.09	0.10	3.6	
13	1.100	1.084	31	102							X	X	0.10	0.12	0.09	X	2.8	
14	1.874	1.842	25	100							X	X	X	0.08	0.10	0.10	3.3	
15	1.375	1.372	24	100							X	X	X	X	0.09	0.09	2.7	
16	1.388	1.342	27	104							X	X	X	X	0.10	0.15	2.8	
17	2.300	2.275	34	99							X	X	X	0.09	0.12	0.11	3.4	
18	1.898	1.807	37	103							X	X	X	0.08	0.12	0.08	3.2	
19	1.959	1.907	32	106							X	X	X	0.08	0.11	0.12	3.5	
20	1.350	1.325	31	108							X	X	X	X	0.11	0.10	3.1	
21	0.875	0.869	32	103							X	X	X	0.11	0.10	0.09	3.5	
22	1.850	1.749	27	101							X	X	X	0.09	0.14	X	3.8	
23	1.675	1.660	32	102							X	X	X	X	0.18	0.12	3.4	
24	1.325	1.309	37	98							X	X	X	X	0.10	0.11	3.1	
25	2.156	2.039	35	102							X	X	X	0.11	0.13	0.13	3.4	
26	1.132	1.062	37	107							X	X	X	0.12	0.11	0.11	3.4	
27	1.575	1.550	38	102							X	X	X	0.11	0.10	X	3.7	
28	1.525	1.505	46	110							X	X	X	X	0.11	0.11	2.9	
29	1.600	1.598	34	120							X	X	X	X	0.10	0.08	3.5	
30	0.753	0.610	37	102							X	X	X	X	X	0.11	3.2	
31																		
<b>Total</b>	46.578	45.201																
<b>Avg</b>	1.553	1.507																
<b>Max</b>	2.300	2.275																
<b>Min</b>	0.450	0.423																

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: October 1, 2007

# 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  
Month: September Year: 2007

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	0.09	0.09	0.06	0.06	0.06	0.06	0.06	0.05												
2	0.18	0.18	0.14	0.14	0.06	0.06	0.06	0.06												
3	0.13	0.13	0.09	0.09	0.06	0.06	0.11	0.11												
4	0.10	0.10	0.07	0.07	0.12	0.12	0.10	0.10												
5	0.06	0.06	0.05	0.05	0.15	0.15	0.12	0.11												
6	0.05	0.05	0.05	0.05	0.12	0.11	0.12	0.10												
7	0.19	0.17	0.05	0.05	0.11	0.11	0.12	0.10												
8	0.14	0.14	0.18	0.18	0.10	0.10	0.10	0.10												
9	0.08	0.08	0.11	0.11	0.08	0.08	0.09	0.09												
10	0.08	0.08	0.10	0.10	0.07	0.07	X	X												
11	0.07	0.07	0.08	0.08	0.07	0.07	0.09	0.08												
12	0.16	0.10	0.07	0.06	0.19	0.18	0.15	0.13												
13	0.10	0.10	0.07	0.06	0.19	0.17	0.17	0.17												
14	0.27	0.27	0.06	0.06	0.14	0.14	0.13	0.13												
15	0.20	0.20	0.05	0.05	0.11	0.11	0.12	0.12												
16	0.19	0.19	0.18	0.18	0.12	0.12	0.12	0.10												
17	0.15	0.14	0.17	0.15	0.10	0.09	0.11	0.11												
18	0.12	0.12	0.13	0.11	0.08	0.08	0.11	0.11												
19	0.27	0.26	0.09	0.08	0.07	0.06	0.21	0.20												
20	0.22	0.17	0.07	0.06	0.06	0.06	0.16	0.14												
21	0.19	0.18	0.07	0.07	0.06	0.06	X	X												
22	0.19	0.18	0.09	0.07	0.27	0.27	0.15	0.14												
23	0.14	0.13	0.25	0.25	0.21	0.21	0.13	0.13												
24	0.12	0.11	0.16	0.14	0.16	0.14	0.13	0.13												
25	0.12	0.12	0.15	0.15	0.16	0.15	0.13	0.12												
26	0.25	0.25	0.08	0.08	0.08	0.08	0.15	0.13												
27	0.16	0.16	0.08	0.07	0.10	0.10	0.21	0.21												
28	0.14	0.14	0.07	0.07	0.09	0.09	0.19	0.18												
29	0.11	0.11	0.06	0.06	0.08	0.08	0.16	0.16												
30	0.11	0.11	0.06	0.06	0.07	0.07	0.15	0.13												
31																				

  

SUMMARY & COMPLIANCE ACTIONS	Filter No.											Plant
	Criteria											
	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 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: October 1, 2007

# 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  
Month: September Year: 2007

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 <input type="checkbox"/>
1	NA D1								
	FCL D2	3.9	3.800	27.0	7.4				
	CLA D3	3.8	3.800	29.0	7.6				
	D4								
	D5								
2	NA D1								
	FCL D2	3.9	3.800	28.0	7.4				
	CLA D3	3.7	3.800	28.0	7.4				
	D4								
	D5								
3	NA D1								
	FCL D2	4.3	3.800	27.0	7.3				
	CLA D3	3.4	3.800	29.0	7.6				
	D4								
	D5								
4	NA D1								
	FCL D2	4.3	3.800	26.0	7.2				
	CLA D3	3.6	3.800	28.0	7.6				
	D4								
	D5								
5	NA D1								
	FCL D2	3.9	3.800	27.0	7.5				
	CLA D3	3.9	3.800	27.0	7.5				
	D4								
	D5								
6	NA D1								
	FCL D2	3.4	3.800	27.0	7.6				
	CLA D3	3.2	3.800	27.0	7.5				
	D4								
	D5								
7	NA D1								
	FCL D2	4.1	3.800	28.0	7.4				
	CLA D3	3.0	3.800	28.0	7.7				
	D4								
	D5								
8	NA D1								
	FCL D2	3.8	3.800	27.0	7.5				
	CLA D3	3.4	3.800	28.0	7.4				
	D4								
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time <input type="checkbox"/>
9	NA D1								
	FCL D2	2.9	2.500	28.0	7.3				
	CLA D3	2.7	2.500	28.0	7.2				
	D4								
	D5								
10	NA D1								
	FCL D2	2.8	2.000	26.0	7.5				
	CLA D3	3.0	2.000	30.0	7.4				
	D4								
	D5								
11	NA D1								
	FCL D2	3.5	3.800	27.0	7.4				
	CLA D3	3.1	3.800	29.0	7.6				
	D4								
	D5								
12	NA D1								
	FCL D2	3.7	2.600	26.0	7.8				
	CLA D3	3.6	2.600	27.0	7.7				
	D4								
	D5								
13	NA D1								
	FCL D2	3.2	3.800	26.0	7.2				
	CLA D3	2.8	3.800	26.0	7.2				
	D4								
	D5								
14	NA D1								
	FCL D2	3.6	3.800	26.0	7.3				
	CLA D3	3.3	3.800	28.0	7.6				
	D4								
	D5								
15	NA D1								
	FCL D2	3.1	3.800	26.0	7.4				
	CLA D3	2.7	3.800	28.0	7.3				
	D4								
	D5								
16	NA D1								
	FCL D2	3.0	3.800	27.0	7.6				
	CLA D3	2.8	3.800	27.0	7.6				
	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. W00012234 A and Grade: \_\_\_\_\_ Date: October 1, 2007

# 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  
Month: September Year: 2007

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									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time <input type="checkbox"/>
17	NA D1								
	FCL D2	3.7	3.800	26.0	7.4				
	CLA D3	3.6	3.800	27.0	7.6				
	D4								
	D5								
18	NA D1								
	FCL D2	3.1	3.800	26.0	7.3				
	CLA D3	3.3	3.800	27.0	7.6				
	D4								
	D5								
19	NA D1								
	FCL D2	3.6	3.800	27.0	7.5				
	CLA D3	3.5	3.800	27.0	7.4				
	D4								
	D5								
20	NA D1								
	FCL D2	3.5	3.800	27.0	7.4				
	CLA D3	3.1	3.800	27.0	7.4				
	D4								
	D5								
21	NA D1								
	FCL D2	3.5	2.000	25.0	7.4				
	CLA D3	3.5	2.000	28.0	7.8				
	D4								
	D5								
22	NA D1								
	FCL D2	3.8	3.800	25.0	7.4				
	CLA D3	3.9	3.800	27.0	7.4				
	D4								
	D5								
23	NA D1								
	FCL D2	3.7	3.800	27.0	7.4				
	CLA D3	3.5	3.800	27.0	7.4				
	D4								
	D5								
24	NA D1								
	FCL D2	2.9	3.800	26.0	7.4				
	CLA D3	3.1	3.800	27.0	7.4				
	D4								
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time <input type="checkbox"/>
25	NA D1								
	FCL D2	3.8	3.800	26.0	7.6				
	CLA D3	3.7	3.800	27.0	7.8				
	D4								
	D5								
26	NA D1								
	FCL D2	4.0	2.500	26.0	7.2				
	CLA D3	4.0	2.500	26.0	7.1				
	D4								
	D5								
27	NA D1								
	FCL D2	3.8	3.800	23.0	7.6				
	CLA D3	3.7	3.800	26.0	7.4				
	D4								
	D5								
28	NA D1								
	FCL D2	3.0	3.800	26.0	7.6				
	CLA D3	2.9	3.800	22.0	7.5				
	D4								
	D5								
29	NA D1								
	FCL D2	3.9	3.800	26.0	7.5				
	CLA D3	3.5	3.800	27.0	7.5				
	D4								
	D5								
30	NA D1								
	FCL D2	4.0	2.500	25.0	7.8				
	CLA D3	3.2	2.500	27.0	7.8				
	D4								
	D5								
31	D1								
	D2								
	D3								
	D4								
	D5								
	Max	NA	NA						
	Min	NA	NA						
	Avg	NA	NA						
	SD	NA	NA						

NOTE:  ONLY use the "Time

SUBMITTED BY: \_\_\_\_\_ Certificate No. and Grade: W00012234 A Date: October 1, 2007