

# 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>April 2007</u>	<b>Operator's Signature:</b> _____ <b>Certificate No. &amp; Grade:</b> <u>W00012234 A</u> <b>Date:</b> <u>May 4, 2007</u>

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	104	Number of 4-hour periods when plant was off-line:	76
Number of readings above 0.10 NTU:	24	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:	0.16 NTU	Average turbidity value:
	Minimum turbidity reading:	0.06 NTU	0.09 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:	26
		Number of days when CT data was not collected:	26
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:	60	Percentage of readings with a low residual this month:	0.0 % (6A)
Average disinfectant residual value:	2.38	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: April 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	3.352	3.125	77	80							0.09	0.09	0.11	0.10	0.07	0.06	3.2	
2	3.196	3.163	75	70							0.09	0.10	0.12	0.08	0.08	0.08	3.1	
3	1.293	1.211	54	66							0.09	0.10	0.16	X	X	X	3.2	
4	1.575	1.586	58	73							X	X	0.14	0.12	0.08	X	2.7	
5	1.333	1.237	50	80							X	X	X	X	0.10	0.09	2.5	
6	2.732	2.697	54	70							0.11	0.11	0.10	0.08	X	X	2.8	
7	1.300	0.003	61	77							X	X	X	X	0.07	0.06	2.6	
8	3.110	2.969	58	73							0.08	0.09	0.11	0.09	0.07	0.07	3.2	
9	1.150	1.140	53	76							X	X	X	0.08	0.09	0.08	2.7	
10	2.994	2.842	55	77							0.08	0.07	0.16	0.10	0.11	0.10	3.3	
11	2.667	2.632	51	75							0.07	0.07	0.08	0.09	0.07	0.07	3.0	
12	1.007	0.962	54	73							X	X	X	X	X	0.09	3.0	
13	3.267	3.146	55	73							0.10	0.11	0.08	0.07	0.06	0.06	3.4	
14	3.197	3.097	56	88							0.08	0.07	0.07	0.08	0.07	0.09	3.6	
15	0.665	0.573	53	76							0.09	0.10	X	X	X	X	3.7	
16	3.648	3.621	53	75							0.10	0.10	0.16	0.12	0.10	0.11	3.3	
17	1.427	1.326	56	74							0.07	0.10	0.14	X	X	X	3.3	
18	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
19	3.479	3.428	57	85							0.14	0.11	0.11	0.08	0.07	0.07	3.2	
20	1.990	1.949	58	78							0.07	0.07	0.09	0.10	X	X	3.1	
21	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
22	2.475	2.366	56	83							X	X	X	0.09	0.06	0.06	3.4	
23	1.622	1.578	58	76							0.10	0.12	0.14	0.12	X	X	3.2	
24	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
25	1.610	1.601	59	81							X	X	0.15	0.11	0.10	0.09	2.5	
26	0.680	0.673	56	88							0.08	0.08	X	X	X	X	3.5	
27	1.290	1.255	37	92							X	X	X	X	X	0.07	2.5	
28	3.532	3.445	47	98							0.09	0.07	0.07	0.07	0.07	0.07	3.3	
29	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
30	2.340	2.265	61	87							X	X	X	0.11	0.08	0.09	3.5	
31																		
<b>Total</b>	56.931	53.890																
<b>Avg</b>	1.898	1.796																
<b>Max</b>	3.648	3.621																
<b>Min</b>	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: W00012234 A Date: May 4, 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: April 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																
1	0.12	0.12	0.14	0.14	0.16	0.16	0.14	0.14												
2	0.13	0.13	0.09	X	0.09	X	0.15	X												
3	0.11	X	0.09	X	0.17	X	0.09	X												
4	0.08	0.08	0.11	0.11	0.12	0.12	0.08	0.08												
5	0.12	0.12	0.09	0.09	0.10	0.10	0.18	0.18												
6	0.11	X	0.09	0.09	0.10	X	0.16	X												
7	0.06	0.06	0.08	0.08	0.15	0.08	0.09	0.09												
8	0.09	0.09	0.09	0.09	0.10	0.10	0.11	X												
9	0.10	0.10	0.08	0.08	0.08	0.08	0.08	0.07												
10	0.09	X	0.09	0.09	0.09	0.09	0.11	0.11												
11	0.07	X	0.09	0.08	0.08	X	0.09	X												
12	0.19	0.19	0.08	0.08	0.07	0.07	0.15	0.08												
13	0.08	0.08	0.09	0.08	0.09	0.09	0.09	0.09												
14	0.12	X	0.09	0.09	0.08	X	0.08	X												
15	0.12	X	0.07	X	0.09	0.09	0.18	X												
16	0.11	0.11	0.09	0.09	0.09	X	0.10	0.10												
17	0.06	X	0.09	X	0.18	X	0.12	X												
18	X	X	X	X	X	X	X	X												
19	0.10	0.10	0.09	0.09	0.10	0.10	0.12	0.12												
20	0.08	X	0.10	0.08	0.08	X	0.10	X												
21	X	X	X	X	X	X	X	X												
22	0.06	0.06	0.08	0.08	0.08	0.08	0.12	0.11												
23	0.10	0.10	0.16	0.10	0.09	X	0.12	X												
24	X	X	X	X	X	X	X	X												
25	0.09	0.09	0.11	0.11	0.07	0.07	0.08	0.07												
26	0.06	X	0.07	X	0.06	X	0.07	X												
27	0.07	0.07	0.08	0.08	0.07	0.07	0.08	0.08												
28	0.09	0.09	0.10	0.10	0.10	0.10	0.09	X												
29	X	X	X	X	X	X	X	X												
30	0.06	0.06	0.08	0.08	0.09	0.09	0.13	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: May 4, 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: April 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	3.6	3.500	22.0	7.4				
	CLA D3	3.4	3.500	21.0	7.4				
	D4								
	D5								
2	NA D1								
	FCL D2	3.5	3.500	21.0	7.3				
	CLA D3	3.3	3.500	21.0	7.1				
	D4								
	D5								
3	NA D1								
	FCL D2	3.9	3.500	21.0	7.5				
	CLA D3	3.6	3.500	21.0	7.5				
	D4								
	D5								
4	NA D1								
	FCL D2	2.5	3.500	21.0	7.4				
	CLA D3	2.7	3.500	21.0	7.2				
	D4								
	D5								
5	NA D1								
	FCL D2	4.4	4.000	20.0	7.3				
	CLA D3	4.3	4.000	20.0	6.9				
	D4								
	D5								
6	NA D1								
	FCL D2	3.4	4.000	19.0	7.3				
	CLA D3	3.2	4.000	20.0	7.3				
	D4								
	D5								
7	NA D1								
	FCL D2	3.0	4.000	20.0	7.4				
	CLA D3	2.6	4.000	18.0	7.5				
	D4								
	D5								
8	NA D1								
	FCL D2	3.9	3.500	18.0	7.5				
	CLA D3	3.7	3.500	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 <input type="checkbox"/>
9	NA D1								
	FCL D2	2.5	2.500	17.0	7.3				
	CLA D3	2.7	2.500	17.0	7.3				
	D4								
	D5								
10	NA D1								
	FCL D2	3.0	3.500	16.0	7.5				
	CLA D3	3.4	3.500	16.0	7.4				
	D4								
	D5								
11	NA D1								
	FCL D2	3.6	3.500	18.0	7.6				
	CLA D3	3.3	3.500	17.0	7.4				
	D4								
	D5								
12	NA D1								
	FCL D2	3.3	3.500	18.0	7.4				
	CLA D3	3.0	3.500	19.0	7.0				
	D4								
	D5								
13	NA D1								
	FCL D2	4.2	3.500	17.0	7.4				
	CLA D3	3.9	3.500	17.0	7.3				
	D4								
	D5								
14	NA D1								
	FCL D2	3.8	3.500	17.0	7.3				
	CLA D3	3.6	3.500	17.0	7.3				
	D4								
	D5								
15	NA D1								
	FCL D2	3.6	3.500	17.0	7.4				
	CLA D3	3.8	3.500	17.0	7.5				
	D4								
	D5								
16	NA D1								
	FCL D2	3.8	4.000	16.0	7.4				
	CLA D3	3.3	4.000	17.0	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. W00012234 A and Grade: \_\_\_\_\_ Date: May 4, 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: April 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
17	NA D1								
	FCL D2	3.7	4.000	17.0	7.5				
	CLA D3	3.6	4.000	17.0	7.5				
	D4								
	D5								
18	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
19	NA D1								
	FCL D2	3.8	3.800	18.0	7.4				
	CLA D3	3.3	3.800	17.0	7.4				
	D4								
	D5								
20	NA D1								
	FCL D2	3.5	3.800	18.0	7.4				
	CLA D3	3.5	3.800	18.0	7.4				
	D4								
	D5								
21	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
22	NA D1								
	FCL D2	3.7	3.800	18.0	7.3				
	CLA D3	3.8	3.800	18.0	7.2				
	D4								
	D5								
23	NA D1								
	FCL D2	3.8	3.800	21.0	7.6				
	CLA D3	3.7	3.800	20.0	7.0				
	D4								
	D5								
24	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
25	NA D1								
	FCL D2	2.6	2.600	20.0	7.4				
	CLA D3	2.5	2.600	20.0	7.6				
	D4								
	D5								
26	NA D1								
	FCL D2	3.9	2.600	21.0	7.3				
	CLA D3	3.7	2.600	21.0	7.2				
	D4								
	D5								
27	NA D1								
	FCL D2	2.7	3.800	20.0	7.0				
	CLA D3	2.5	3.800	21.0	7.0				
	D4								
	D5								
28	NA D1								
	FCL D2	3.8	3.800	20.0	7.5				
	CLA D3	3.5	3.800	21.0	7.6				
	D4								
	D5								
29	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
30	NA D1								
	FCL D2	3.8	4.000	16.0	7.4				
	CLA D3	3.3	4.000	17.0	7.5				
	D4								
	D5								
31	D1								
	D2								
	D3								
	D4								
	D5								
24	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: W00012234 A Date: May 4, 2007