

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: <u>City of Corsicana</u>	PLANT NAME OR NUMBER: <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.	
PWS ID No.: <u>1750002</u> Report for the Month of: <u>March 2009</u>	Operator's Signature: _____ Certificate No. & Grade: <u>W00012234 A</u> Date: <u>April 1, 2009</u>

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	70	Number of 4-hour periods when plant was off-line:	116
Number of readings above 0.10 NTU:	36	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:	0.27 NTU	Average turbidity value:
	Minimum turbidity reading:	0.07 NTU	0.11 NTU
			Standard deviation:
			0.030 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:	
		0	
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:	20
		Number of days when CT data was not collected:	20
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:	61	Percentage of readings with a low residual this month:	0.0 % (6A)
Average disinfectant residual value:	2.50	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: March Year: 2009

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	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X
2	2.646	2.568	37	133								X	X	0.13	0.14	0.11	0.10	3.1
3	3.435	3.158	44	134								0.09	0.09	0.12	0.12	0.10	0.10	3.4
4	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X
5	2.241	2.191	43	135								X	X	0.08	0.10	0.09	0.10	3.0
6	0.860	0.810	38	134								X	0.15	0.12	0.12	X	X	2.6
7	1.875	1.861	41	135								X	X	X	0.10	0.10	0.10	3.2
8	1.167	1.067	34	132								0.09	0.08	0.09	0.08	X	X	3.5
9	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X
10	2.535	2.332	35	132								X	X	0.10	0.11	0.12	0.12	2.8
11	1.225	1.200	36	130								0.11	0.09	0.11	X	X	X	3.7
12	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X
13	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X
14	1.921	1.869	30	129								X	X	0.27	0.19	0.12	0.11	2.0
15	1.273	1.068	33	132								X	X	0.12	0.10	0.12	X	3.3
16	0.675	0.659	37	136								X	X	X	X	0.09	X	3.3
17	2.467	2.420	32	134								X	X	0.12	0.08	0.11	0.10	3.0
18	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X
19	2.448	2.286	41	130								X	X	0.15	0.10	0.09	0.11	3.2
20	1.714	1.614	47	129								0.12	0.10	X	X	0.12	0.10	2.7
21	0.788	0.694	49	126								X	X	X	X	0.10	0.09	2.7
22	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X
23	2.589	2.489	30	133								X	X	0.07	0.13	0.11	0.11	2.9
24	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X
25	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X
26	2.377	2.303	19	128								X	X	X	0.14	0.10	0.08	2.7
27	0.300	0.292	21	130								0.12	X	X	X	X	X	3.6
28	1.546	1.193	31	127								X	0.09	0.14	0.14	0.13	0.13	2.3
29	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X
30	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X
31	2.656	2.570	31	133								X	X	0.19	0.17	0.10	0.10	3.0
Total	36.738	34.644																
Avg	1.185	1.118																
Max	3.435	3.158																
Min	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: April 1, 2009

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: March Year: 2009

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																		
1	X	X	X	X	X	X	X	X												
2	0.07	0.07	0.07	0.07	0.11	0.11	0.06	0.06												
3	0.07	0.07	0.06	0.06	0.07	X	0.11	0.11												
4	X	X	X	X	X	X	X	X												
5	0.07	0.07	X	X	0.06	0.05	0.09	0.09												
6	0.10	0.10	X	X	0.09	0.09	0.08	0.08												
7	0.08	0.08	X	X	0.10	0.10	0.07	0.07												
8	0.11	0.11	X	X	0.07	X	0.07	X												
9	X	X	X	X	X	X	X	X												
10	0.11	0.11	X	X	0.12	0.12	0.06	0.06												
11	0.09	0.09	X	X	0.07	X	0.05	X												
12	X	X	X	X	X	X	X	X												
13	X	X	X	X	X	X	X	X												
14	0.10	0.10	X	X	0.09	0.09	0.20	0.20												
15	0.07	0.07	X	X	0.07	0.07	0.08	0.08												
16	0.06	0.06	X	X	0.06	0.06	0.09	0.09												
17	0.09	0.09	X	X	0.06	0.06	0.08	0.08												
18	X	X	X	X	X	X	X	X												
19	0.07	0.07	X	X	0.09	0.09	0.07	0.07												
20	X	X	0.08	0.06	0.06	0.05	0.05	0.05												
21	X	X	0.05	0.04	0.06	0.05	0.05	0.05												
22	X	X	X	X	X	X	X	X												
23	0.10	0.10	0.10	0.10	0.11	0.11	0.08	0.07												
24	X	X	X	X	X	X	X	X												
25	X	X	X	X	X	X	X	X												
26	0.09	0.09	0.08	0.08	0.08	0.08	0.16	0.16												
27	0.05	X	0.05	X	0.05	X	0.09	X												
28	0.10	0.10	0.12	0.12	0.23	0.23	0.21	0.21												
29	X	X	X	X	X	X	X	X												
30	X	X	X	X	X	X	X	X												
31	0.11	0.11	0.12	0.12	0.10	0.10	0.21	0.21												

SUMMARY & COMPLIANCE ACTIONS	Criteria											Plant
	Filter No.											
	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. W00012234 A and Grade: _____ Date: April 1, 2009

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: March Year: 2009
PUBLIC SYSTEM ID: PWS ID

DISINFECTION PROCESS PARAMETERS										
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS					
Parameters	Disinfection Zones					Log Inactivations				Paran
	D1	D2	D3	D4	D5	Giardia lamblia Cysts		Viruses		
Flow Rate (MGD)	4.000	4.000	4.000			0.5		2.0		Flow
T ₁₀ (minutes)	78.3	15.1	9.0							T ₁₀ (m

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
1	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
2	NA D1								
	FCL D2	3.2	3.800	16.0	7.7				
	CLA D3	3.4	3.800	15.0	7.7				
	D4								
	D5								
3	NA D1								
	FCL D2	3.5	3.800	15.0	7.4				
	CLA D3	3.6	3.800	14.0	7.5				
	D4								
	D5								
4	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
5	NA D1								
	FCL D2	2.7	2.600	17.0	7.5				
	CLA D3	3.2	2.600	15.0	7.5				
	D4								
	D5								
6	NA D1								
	FCL D2	3.2	2.600	18.0	7.5				
	CLA D3	3.3	2.600	18.0	7.7				
	D4								
	D5								
7	NA D1								
	FCL D2	3.5	3.000	18.0	7.6				
	CLA D3	3.2	3.000	16.0	7.7				
	D4								
	D5								
8	NA D1								
	FCL D2	3.6	3.000	19.0	7.7				
	CLA D3	3.8	3.000	18.0	7.8				
	D4								
	D5								

PERFORMANCE DATA										
DISINFECTION PROCESS DATA										
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time	Date
9	NA D1									
	NA D2									
	NA D3					NA	NA	NA		17
	D4									
	D5									
10	NA D1									
	FCL D2	3.2	3.300	21.0	7.6					
	CLA D3	3.6	3.300	20.0	7.8					18
	D4									
	D5									
11	NA D1									
	FCL D2	3.7	3.300	20.0	7.6					
	CLA D3	3.7	3.300	20.0	7.5					19
	D4									
	D5									
12	NA D1									
	NA D2									
	NA D3					NA	NA	NA		20
	D4									
	D5									
13	NA D1									
	NA D2									
	NA D3					NA	NA	NA		21
	D4									
	D5									
14	NA D1									
	FCL D2	2.8	3.500	17.0	7.6					
	CLA D3	2.0	3.500	15.0	7.7					22
	D4									
	D5									
15	NA D1									
	FCL D2	3.5	3.500	15.0	7.6					
	CLA D3	3.3	3.500	14.0	7.5					23
	D4									
	D5									
16	NA D1									
	FCL D2	3.4	3.500	16.0	7.5					
	CLA D3	3.3	3.500	15.0	7.4					24
	D4									
	D5									

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

NOTE:

SUBMITTED BY: _____ Certificate No. and Grade: W00012234 A Date: April 1, 2009 SUBMI

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.)

WATER SYSTEM NAME: <u>City of Corsicana</u>	PLANT NAME OR NUMBER: <u>Lake Halbert</u>
ID No.: <u>1750002</u>	Month: <u>March</u> Year: <u>2009</u>

DISINFECTION PROCESS PARAMETERS							
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS		
Parameters	Disinfection Zones					Log Inactivations	
	D1	D2	D3	D4	D5	Giardia lamblia Cysts	Virus
Rate (MGD)	4.000	4.000	4.000			0.5	2.0
Time (minutes)	78.3	15.1	9.0				

PERFORMANCE DATA								
DISINFECTION PROCESS DATA								
Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
NA D1								
FCL D2	3.0	3.500	19.0	7.7				
CLA D3	3.6	3.500	14.0	7.9				
D4								
D5								
NA D1								
NA D2								
NA D3					NA	NA	NA	
D4								
D5								
NA D1								
FCL D2	2.9	3.500	16.0	7.4				
CLA D3	3.2	3.500	16.0	7.6				
D4								
D5								
NA D1								
FCL D2	3.3	3.500	16.0	7.6				
CLA D3	3.7	3.500	17.0	7.8				
D4								
D5								
NA D1								
FCL D2	2.9	2.500	18.0	7.5				
CLA D3	2.7	2.500	18.0	7.7				
D4								
D5								
NA D1								
NA D2								
NA D3					NA	NA	NA	
D4								
D5								
NA D1								
FCL D2	3.8	3.200	18.0	7.4				
CLA D3	3.1	3.200	18.0	7.4				
D4								
D5								
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									
	NA D2									
	NA D3					NA	NA	NA		
	D4									
	D5									
26	NA D1									
	FCL D2	2.9	3.500	18.0	7.6					
	CLA D3	2.7	3.500	18.0	7.5					
	D4									
	D5									
27	NA D1									
	FCL D2	3.2	3.500	19.0	7.6					
	CLA D3	2.6	3.500	19.0	7.7					
	D4									
	D5									
28	NA D1									
	FCL D2	2.7	2.200	18.0	7.6					
	CLA D3	2.3	2.200	20.0	7.5					
	D4									
	D5									
29	NA D1									
	NA D2									
	NA D3					NA	NA	NA		
	D4									
	D5									
30	NA D1									
	NA D2									
	NA D3					NA	NA	NA		
	D4									
	D5									
31	NA D1									
	FCL D2	3.1	3.500	17.0	7.5					
	CLA D3	3.0	3.500	16.0	7.5					
	D4									
	D5									
						Max	NA	NA		
						Min	NA	NA		
						Avg	NA	NA		
						SD	NA	NA		

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

ISSUED BY: _____ Certificate No. and Grade: W00012234 A Date: April 1, 2009