

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>October 2008</u>	Operator's Signature: _____ Certificate No. & Grade: <u>W00012234 A</u> Date: <u>November 3, 2008</u>

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	77	Number of 4-hour periods when plant was off-line:	109
Number of readings above 0.10 NTU:	2	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:	0.03 NTU	0.07 NTU
			Standard deviation:
			0.021 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:	61	Percentage of readings with a low residual this month:	0.0 % (6A)
Average disinfectant residual value:	1.74	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: October Year: 2008

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	2.747	2.671	30	126								0.08	0.08	0.07	0.08	0.07	0.05	3.1	
2	2.300	2.286	33	122								X	X	X	0.09	0.09	0.08	3.2	
3	2.914	2.405	30	118								0.08	0.07	0.06	0.09	X	X	3.5	
4	0.900	0.876	23	118								X	X	X	X	0.08	0.10	3.6	
5	2.000	1.977	33	124								X	X	X	X	0.07	0.07	3.6	
6	0.714	0.651	31	126								X	X	X	X	0.08	0.06	3.8	
7	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
8	1.725	1.723	38	127								X	X	0.09	0.08	0.06	0.07	2.9	
9	1.225	1.224	40	117								X	X	X	0.06	0.06	0.06	3.1	
10	0.875	0.871	27	119								0.05	0.05	0.07	X	X	X	3.2	
11	1.354	1.240	35	116								X	X	X	0.05	0.06	0.06	2.6	
12	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
13	0.991	0.945	40	124								X	X	X	X	0.05	0.08	2.9	
14	1.455	1.390	39	127								0.04	0.04	X	X	0.03	0.04	2.5	
15	2.050	2.028	40	128								0.08	0.07	0.07	0.07	0.10	0.09	3.6	
16	2.800	2.793	37	106								X	X	X	X	0.09	0.07	3.2	
17	0.350	0.332	26	112								0.08	X	X	X	X	X	3.9	
18	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
19	0.433	0.330	41	118								X	X	X	X	0.06	X	3.1	
20	0.425	0.400	40	122								X	X	X	X	0.06	X	3.0	
21	1.717	1.494	41	118								X	X	0.09	0.09	0.18	0.12	2.5	
22	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
23	2.575	2.563	37	118								X	0.08	0.09	0.07	0.08	0.07	3.2	
24	0.825	0.820	40	124								X	X	X	X	0.07	0.07	3.6	
25	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
26	0.352	0.350	42	124								X	X	X	X	0.09	X	3.2	
27	1.167	1.062	39	128								X	X	X	X	0.06	0.06	3.2	
28	2.344	2.290	33	121								0.06	0.06	0.08	0.09	0.04	0.04	3.3	
29	1.400	1.394	27	119								X	X	X	0.06	0.04	0.03	2.9	
30	0.899	0.825	28	120								X	X	X	X	X	0.06	2.8	
31	1.950	1.820	29	119								0.08	0.09	0.07	0.08	X	X	3.6	
Total	38.487	36.760																	
Avg	1.242	1.186																	
Max	2.914	2.793																	
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: November 3, 2008

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: October Year: 2008

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	0.05	X	0.06	X	0.06	0.06	X	X												
2	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.04												
3	0.07	0.07	0.07	0.07	0.05	X	0.03	X												
4	0.07	0.07	0.07	0.07	0.08	0.08	0.05	0.05												
5	0.06	0.06	0.06	0.06	0.07	0.07	0.03	0.03												
6	0.05	0.05	0.06	0.06	0.05	0.05	X	X												
7	X	X	X	X	X	X	X	X												
8	0.04	0.04	0.04	0.04	0.04	0.04	X	X												
9	0.02	0.02	0.04	0.04	0.02	0.02	X	X												
10	0.03	0.02	0.04	0.04	0.03	0.02	X	X												
11	X	X	0.04	0.04	0.02	0.02	0.02	0.02												
12	X	X	X	X	X	X	X	X												
13	0.05	0.05	0.05	0.05	0.03	0.03	X	X												
14	0.04	0.04	0.04	0.04	0.05	0.05	X	X												
15	0.04	X	0.04	X	0.04	X	X	X												
16	0.04	0.04	0.05	0.05	0.05	0.05	0.03	0.03												
17	0.03	X	0.04	X	0.04	X	0.02	X												
18	X	X	X	X	X	X	X	X												
19	0.04	0.04	0.03	0.03	0.04	0.04	X	X												
20	0.03	0.03	0.03	0.03	0.03	0.03	X	X												
21	0.09	0.09	0.08	0.08	0.02	0.02	X	X												
22	X	X	X	X	X	X	X	X												
23	0.05	0.04	0.06	0.06	0.04	0.04	X	X												
24	0.07	0.07	0.09	0.09	0.06	0.06	0.04	0.03												
25	X	X	X	X	X	X	X	X												
26	0.04	0.04	0.04	0.04	0.04	0.04	X	X												
27	0.03	0.03	0.03	0.03	0.07	0.07	X	X												
28	0.04	0.04	0.05	X	0.04	X	X	X												
29	0.04	0.03	0.03	0.03	0.04	0.02	X	X												
30	0.03	0.03	0.04	0.04	0.03	0.03	0.02	0.02												
31	0.06	0.06	0.06	0.06	0.07	X	0.03	X												

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
	Number of days with event(s) above 1.0 NTU this month											0
	Number of days with event(s) above 1.0 NTU last month											0
	Number of days with event(s) above 1.0 NTU two months ago											0
	Total number of days with event(s) above 1.0 NTU in three months											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	
Is the plant required to submit a Filter Profile Report?											N	
Is the plant required to submit a Filter Assessment Report?											N	
Is the plant required to submit a Request for Compliance CPE?											N	

SUBMITTED BY: _____ Certificate No. and Grade: W00012234 A Date: November 3, 2008

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: October Year: 2008 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 ^h
1	NA D1								
	FCL D2	3.4	2.500	24.0	7.5				
	CLA D3	3.2	2.500	24.0	7.6				
	D4								
	D5								
2	NA D1								
	FCL D2	2.7	3.800	24.0	7.9				
	CLA D3	3.2	3.800	24.0	7.8				
	D4								
	D5								
3	NA D1								
	FCL D2	3.6	3.800	24.0	7.7				
	CLA D3	3.6	3.800	24.0	7.7				
	D4								
	D5								
4	NA D1								
	FCL D2	4.0	3.800	24.0	7.5				
	CLA D3	3.6	3.800	24.0	7.6				
	D4								
	D5								
5	NA D1								
	FCL D2	3.7	3.800	26.0	7.6				
	CLA D3	3.8	3.800	26.0	7.5				
	D4								
	D5								
6	NA D1								
	FCL D2	3.8	2.500	26.0	7.7				
	CLA D3	4.0	2.500	26.0	7.6				
	D4								
	D5								
7	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
8	NA D1								
	FCL D2	3.1	2.100	24.0	7.6				
	CLA D3	2.9	2.100	24.0	7.5				
	D4								
	D5								

PERFORMANCE DATA										
DISINFECTION PROCESS DATA										
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time ^h	Date
9	NA D1									17
	FCL D2	3.1	2.100	23.0	7.4					
	CLA D3	3.3	2.100	23.0	7.6					
	D4									
	D5									
10	NA D1									18
	FCL D2	3.5	2.100	22.0	7.5					
	CLA D3	3.9	2.100	23.0	7.5					
	D4									
	D5									
11	NA D1									19
	FCL D2	4.5	2.100	22.0	7.3					
	CLA D3	2.6	2.100	22.0	7.6					
	D4									
	D5									
12	NA D1									20
	NA D2									
	NA D3					NA	NA	NA		
	D4									
	D5									
13	NA D1									21
	FCL D2	3.3	2.100	23.0	7.4					
	CLA D3	2.9	2.100	23.0	7.5					
	D4									
	D5									
14	NA D1									22
	FCL D2	2.7	2.500	23.0	7.6					
	CLA D3	2.5	2.500	23.0	7.4					
	D4									
	D5									
15	NA D1									23
	FCL D2	3.6	2.500	24.0	7.5					
	CLA D3	3.8	2.500	24.0	7.5					
	D4									
	D5									
16	NA D1									24
	FCL D2	2.5	4.000	23.0	7.8					
	CLA D3	3.2	4.000	23.0	7.7					
	D4									
	D5									

NOTE: ONLY use the "Time^h" 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: November 3, 2008 SUBMIT

