

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>January 2009</u>	Operator's Signature: _____ Certificate No. & Grade: <u>W00012234 A</u> Date: <u>February 2, 2009</u>

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	78	Number of 4-hour periods when plant was off-line:	108
Number of readings above 0.10 NTU:	20	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:	0.17 NTU	Average turbidity value:
	Minimum turbidity reading:	0.07 NTU	0.10 NTU
			Standard deviation:
			0.018 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:	25
		Number of days when CT data was not collected:	25
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:	2.63	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: January 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	1.893	1.787	41	144							X	X	X	0.08	0.08	0.12	2.0	
2	1.392	1.292	32	142							X	X	0.09	X	X	0.10	3.0	
3	1.075	1.050	37	120							X	X	X	X	0.09	0.08	2.6	
4	1.106	0.985	34	126							X	X	0.09	0.10	X	X	3.0	
5	0.540	0.410	40	130							X	X	X	X	0.11	0.10	2.9	
6	0.920	0.848	37	140							0.12	0.10	0.14	X	X	X	3.1	
7	0.974	0.930	34	144							X	X	0.11	0.09	X	X	2.5	
8	2.350	2.275	35	141							X	X	X	0.09	0.08	0.10	2.7	
9	1.672	1.597	34	141							0.11	0.10	0.09	X	X	X	3.2	
10	1.367	1.267	37	146							X	X	X	X	0.09	0.09	2.4	
11	1.012	0.883	34	132							X	X	0.10	0.09	0.10	X	3.2	
12	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
13	2.050	2.026	32	140							X	X	X	0.10	0.09	0.11	2.8	
14	3.272	3.158	29	138							0.10	0.08	0.09	0.08	0.09	0.09	3.0	
15	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
16	2.452	2.401	31	147							X	X	X	0.10	0.10	0.08	3.2	
17	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
18	1.017	0.746	32	136							X	X	0.12	0.11	0.11	X	2.9	
19	2.635	2.536	32	139							X	X	0.09	0.10	0.11	0.11	2.7	
20	2.069	1.945	30	143							0.07	0.08	0.16	X	0.10	X	3.0	
21	1.986	1.935	27	144							X	X	0.09	0.09	0.10	0.10	3.3	
22	0.829	0.701	24	143							X	X	0.16	0.07	X	X	3.3	
23	0.869	0.832	24	146							X	X	X	X	0.14	0.11	2.5	
24	3.000	2.909	27	147							0.10	X	X	0.09	0.10	0.10	3.1	
25	0.901	0.788	27	144							X	X	0.10	0.08	X	X	3.2	
26	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
27	2.050	2.035	23	151							X	X	0.11	0.11	0.10	0.09	2.6	
28	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
29	2.467	2.207	24	146							X	X	0.17	0.10	0.09	0.10	2.2	
30	2.981	2.864	20	149							0.13	0.09	0.08	0.09	0.09	0.09	2.9	
31	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
Total	42.879	40.407																
Avg	1.383	1.303																
Max	3.272	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: February 2, 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: January 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	0.07	0.07	0.07	0.05	0.07	0.06	0.08	0.07												
2	0.05	0.05	0.07	0.06	0.08	0.04	0.07	0.07												
3	0.04	0.04	0.06	0.05	0.04	0.04	0.06	0.06												
4	0.07	0.07	0.08	0.04	0.08	0.08	0.06	0.06												
5	0.08	0.08	0.08	0.08	0.08	0.08	X	X												
6	0.06	X	0.06	X	0.07	X	X	X												
7	0.06	0.06	0.06	0.06	0.07	0.07	0.14	0.14												
8	0.05	0.05	0.05	0.05	0.06	0.06	0.12	0.12												
9	0.06	X	0.05	0.05	0.05	X	0.08	X												
10	0.04	0.04	0.05	0.05	0.04	0.04	0.07	0.07												
11	0.06	0.06	0.08	0.08	0.07	0.07	X	X												
12	X	X	X	X	X	X	X	X												
13	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07												
14	0.06	0.06	0.08	0.06	0.05	X	0.06	X												
15	X	X	X	X	X	X	X	X												
16	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06												
17	X	X	X	X	X	X	X	X												
18	0.08	0.08	0.08	0.08	0.07	0.07	0.05	0.05												
19	0.07	0.07	0.07	0.07	0.07	0.07	0.05	0.05												
20	0.09	0.09	0.07	0.07	0.05	0.05	0.09	0.09												
21	0.06	0.06	0.06	0.06	0.08	0.08	0.09	0.09												
22	0.05	0.05	0.05	0.05	0.08	0.08	0.08	0.07												
23	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07												
24	0.06	0.06	0.06	0.06	0.06	0.05	0.08	0.06												
25	0.07	0.07	0.08	0.08	0.04	0.04	0.06	0.05												
26	X	X	X	X	X	X	X	X												
27	0.10	0.10	0.10	0.10	0.05	0.05	0.06	0.05												
28	X	X	X	X	X	X	X	X												
29	0.08	0.08	0.08	0.08	0.11	0.11	0.07	0.05												
30	0.07	X	0.06	0.06	0.06	X	0.11	0.11												
31	X	X	X	X	X	X	X	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	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: February 2, 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: January 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								
	FCL D2	2.6	3.800	13.0	7.5				
	CLA D3	2.5	3.800	13.0	7.6				
	D4								
	D5								
2	NA D1								
	FCL D2	3.0	3.800	16.0	7.4				
	CLA D3	3.1	3.800	15.0	7.4				
	D4								
	D5								
3	NA D1								
	FCL D2	2.6	3.800	22.0	7.7				
	CLA D3	2.6	3.800	21.0	7.7				
	D4								
	D5								
4	NA D1								
	FCL D2	3.3	3.800	15.0	7.7				
	CLA D3	3.0	3.800	14.0	7.6				
	D4								
	D5								
5	NA D1								
	FCL D2	3.3	2.500	15.0	7.7				
	CLA D3	2.9	2.500	15.0	7.6				
	D4								
	D5								
6	NA D1								
	FCL D2	3.5	3.800	13.0	7.5				
	CLA D3	3.3	3.800	12.0	7.5				
	D4								
	D5								
7	NA D1								
	FCL D2	2.6	3.800	15.0	7.6				
	CLA D3	2.5	3.800	12.0	7.6				
	D4								
	D5								
8	NA D1								
	FCL D2	3.3	3.800	13.0	7.7				
	CLA D3	2.7	3.800	10.0	7.7				
	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									17
	FCL D2	3.3	4.000	12.0	7.7					
	CLA D3	3.4	4.000	15.0	7.8					
	D4									
	D5									
10	NA D1									18
	FCL D2	3.0	4.000	14.0	7.4					
	CLA D3	2.4	4.000	11.0	7.6					
	D4									
	D5									
11	NA D1									19
	FCL D2	3.9	2.600	12.0	7.5					
	CLA D3	3.7	2.600	12.0	7.3					
	D4									
	D5									
12	NA D1									20
	NA D2									
	NA D3					NA	NA	NA		
	D4									
	D5									
13	NA D1									21
	FCL D2	2.5	3.900	15.0	7.1					
	CLA D3	2.8	3.900	13.0	7.2					
	D4									
	D5									
14	NA D1									22
	FCL D2	3.4	3.900	11.0	7.6					
	CLA D3	3.5	3.900	10.0	7.5					
	D4									
	D5									
15	NA D1									23
	NA D2									
	NA D3					NA	NA	NA		
	D4									
	D5									
16	NA D1									24
	FCL D2	3.4	3.900	10.0	7.6					
	CLA D3	3.2	3.900	10.0	7.8					
	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: February 2, 2009 SUBMIT

