

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: City of Corsicana

PLANT NAME OR NUMBER: Lake Halbert

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.: 1750002

Operator's Signature: _____

Report for the Month of: December 2008

Certificate No. & Grade: W00012234 A

Date: January 5, 2009

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	<u>79</u>	Number of 4-hour periods when plant was off-line:	<u>107</u>
Number of readings above 0.10 NTU:	<u>12</u>	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	<u>0</u>
Number of readings above 0.3 NTU:	<u>0</u>		
Number of readings above 0.5 NTU:	<u>0</u>		
Number of readings above 1.0 NTU:	<u>0</u>		
Maximum allowable turbidity level:	<u>0.3</u>	Number of days with readings above 1.0 NTU:	<u>0</u> (2)
Percentage of readings above this limit:	<u>0.0</u> % (1)	Number of days with readings above 5.0 NTU:	<u>0</u> (3)
Statistical Summary	Maximum turbidity reading:	<u>0.15</u> NTU	Average turbidity value:
	Minimum turbidity reading:	<u>0.06</u> NTU	<u>0.09</u> NTU
		Average turbidity value:	<u>0.017</u> NTU
		Standard deviation:	
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:	<u>0</u>	Average log inactivation for Giardia:	<u>NA</u>
Number of days with a low CT for more than 4.0 consecutive hours:	<u>0</u> (4)	Average log inactivation for viruses:	<u>NA</u>
		Number of days when profiling data was not collected:	<u>25</u>
		Number of days when CT data was not collected:	<u>25</u>
Minimum disinfectant residual required leaving the plant:	<u>0.5</u> 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:	<u>0</u>		
Number of days with a low residual for more than 4.0 consecutive hours:	<u>0</u> (5)	Number of days when disinfectant residual leaving the plant was not properly monitored:	<u>0</u>

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:	<u>0.5</u> mg/L	<input type="radio"/> Free Chlorine <input checked="" type="radio"/> Total Chlorine	
Total number of readings this month:	<u>61</u>	Percentage of readings with a low residual this month:	<u>0.0</u> % (6A)
Average disinfectant residual value:	<u>2.40</u>	Percentage of readings with a low residual last month:	<u>0.0</u> % (6B)
Number of readings with a low residual:	<u>0</u>		
Number of readings with no detectable residual:	<u>0</u>		

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: December 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	2.419	2.277	21	134							X	X	0.09	0.09	0.06	0.08	3.4	
2	0.925	0.912	20	134							0.06	0.07	X	X	X	X	3.7	
3	2.555	2.341	24	128							X	X	0.11	0.10	0.08	0.07	2.8	
4	1.375	1.362	30	127							0.09	0.08	0.06	X	X	X	3.2	
5	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
6	2.170	2.044	24	126							X	X	0.09	0.09	0.08	0.08	2.8	
7	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
8	1.567	1.375	31	128							X	X	X	X	0.07	0.09	3.1	
9	3.377	3.280	25	127							0.10	0.09	0.11	0.10	0.08	0.09	2.7	
10	1.268	1.149	24	126							0.07	0.08	0.09	X	X	X	3.0	
11	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
12	2.747	2.481	19	124							X	0.10	0.10	0.10	0.08	0.10	2.7	
13	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
14	1.006	0.816	24	124							X	X	0.08	0.07	0.07	X	2.9	
15	1.141	1.140	24	131							X	X	X	0.09	0.07	0.08	2.7	
16	1.417	1.317	30	134							X	X	X	X	0.10	0.10	2.6	
17	3.048	2.947	25	130							0.09	0.08	0.10	0.14	0.08	0.10	3.2	
18	1.275	1.261	14	124							X	X	X	X	0.08	0.08	2.8	
19	1.250	1.248	13	128							X	X	X	X	0.10	0.08	2.9	
20	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
21	1.469	1.377	25	130							X	0.09	0.08	X	X	X	2.7	
22	0.713	0.592	25	132							X	X	X	X	0.10	0.12	3.0	
23	2.150	1.945	24	130							0.12	0.11	0.12	X	0.10	0.10	2.2	
24	1.392	1.282	21	134							X	X	0.09	0.12	X	X	2.4	
25	1.906	1.895	23	132							X	X	X	0.11	0.15	0.12	2.9	
26	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
27	2.686	2.505	30	132							X	0.10	0.09	0.08	0.09	0.09	2.8	
28	0.687	0.560	29	132							X	X	0.10	0.09	X	X	3.2	
29	1.110	1.043	27	130							X	X	X	X	0.12	0.10	3.0	
30	1.300	1.283	29	138							0.09	0.09	0.10	X	X	X	2.5	
31	1.325	1.308	30	140							X	X	0.09	0.08	X	X	2.8	
Total	42.278	39.740																
Avg	1.364	1.282																
Max	3.377	3.280																
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: January 5, 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: December 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	0.06	0.06	0.07	0.07	0.06	0.06	0.03	0.03												
2	0.04	X	0.04	X	0.04	X	0.02	X												
3	0.06	0.04	0.06	0.05	0.06	0.04	0.07	0.07												
4	0.07	0.07	0.06	X	0.05	X	0.06	X												
5	X	X	X	X	X	X	X	X												
6	0.06	0.06	0.05	0.05	0.04	0.04	0.11	0.11												
7	X	X	X	X	X	X	X	X												
8	0.04	0.04	0.05	0.05	0.08	0.08	0.05	0.05												
9	0.07	0.07	0.08	X	0.06	X	0.07	X												
10	0.05	X	0.05	X	0.05	X	0.07	X												
11	X	X	X	X	X	X	X	X												
12	0.11	0.11	0.10	0.10	0.08	0.08	0.10	0.10												
13	X	X	X	X	X	X	X	X												
14	0.07	0.07	0.06	0.06	0.06	0.06	0.09	0.09												
15	0.07	0.07	0.06	0.06	0.07	0.07	0.10	0.10												
16	0.05	0.05	0.05	0.05	0.06	0.06	0.09	0.09												
17	0.08	0.07	0.07	0.07	0.06	X	0.08	X												
18	0.05	0.05	0.05	0.04	0.04	0.04	0.07	0.06												
19	0.08	0.08	0.05	0.04	0.05	0.05	0.07	0.07												
20	X	X	X	X	X	X	X	X												
21	0.07	0.07	0.08	0.08	0.07	0.07	0.06	0.06												
22	0.05	0.05	0.07	0.07	0.06	0.06	X	X												
23	0.05	0.05	0.07	0.07	0.06	0.06	0.13	0.13												
24	0.08	0.08	0.08	0.08	0.07	0.07	0.11	0.11												
25	0.06	0.06	0.10	0.10	0.10	0.10	0.14	0.14												
26	X	X	X	X	X	X	X	X												
27	0.04	0.04	0.06	0.05	0.07	0.07	0.11	0.11												
28	0.08	0.08	X	X	0.05	0.05	0.08	0.08												
29	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08												
30	0.05	X	0.06	X	0.07	X	0.08	X												
31	0.05	0.05	0.04	0.04	0.06	0.06	0.08	0.08												

SUMMARY & COMPLIANCE ACTIONS	Criteria	Filter No.										Plant	
		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: January 5, 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: December Year: 2008

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 ₁₀ (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
1	NA D1								
	FCL D2	3.2	2.800	14.0	7.6				
	CLA D3	3.4	2.800	14.0	7.5				
	D4								
	D5								
2	NA D1								
	FCL D2	3.7	2.800	12.0	7.7				
	CLA D3	3.7	2.800	12.0	7.6				
	D4								
	D5								
3	NA D1								
	FCL D2	3.0	2.800	13.0	7.6				
	CLA D3	2.8	2.800	13.0	7.6				
	D4								
	D5								
4	NA D1								
	FCL D2	3.6	3.700	12.0	7.7				
	CLA D3	3.5	3.700	13.0	7.6				
	D4								
	D5								
5	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
6	NA D1								
	FCL D2	3.5	3.800	12.0	7.3				
	CLA D3	2.8	3.800	11.0	7.4				
	D4								
	D5								
7	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
8	NA D1								
	FCL D2	3.4	3.800	15.0	7.7				
	CLA D3	3.1	3.800	14.0	7.6				
	D4								
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
9	NA D1								
	FCL D2	3.4	3.800	12.0	7.7				
	CLA D3	3.2	3.800	12.0	7.8				
	D4								
	D5								
10	NA D1								
	FCL D2	3.4	3.800	12.0	7.7				
	CLA D3	3.2	3.800	12.0	7.6				
	D4								
	D5								
11	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
12	NA D1								
	FCL D2	3.2	3.800	13.0	7.4				
	CLA D3	2.7	3.800	13.0	7.4				
	D4								
	D5								
13	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
14	NA D1								
	FCL D2	3.1	2.800	12.0	7.7				
	CLA D3	2.9	2.800	12.0	7.6				
	D4								
	D5								
15	NA D1								
	FCL D2	2.8	3.800	14.0	7.5				
	CLA D3	3.0	3.800	11.0	7.4				
	D4								
	D5								
16	NA D1								
	FCL D2	3.3	3.800	11.0	7.6				
	CLA D3	2.6	3.800	11.0	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. and Grade: W00012234 A Date: January 5, 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 (cont.)

PUBLIC WATER SYSTEM NAME: City of Corsicana
PWS ID No.: 1750002

PLANT NAME OR NUMBER: Lake Halbert
Month: December Year: 2008

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 ₁₀ (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	3.9	3.800	10.0	7.6				
	CLA D3	3.6	3.800	9.0	7.5				
	D4								
	D5								
18	NA D1								
	FCL D2	3.4	3.800	14.0	7.6				
	CLA D3	2.8	3.800	12.0	7.6				
	D4								
	D5								
19	NA D1								
	FCL D2	3.6	4.000	15.0	7.6				
	CLA D3	2.9	4.000	14.0	7.6				
	D4								
	D5								
20	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
21	NA D1								
	FCL D2	3.4	3.800	12.0	7.8				
	CLA D3	3.2	3.800	12.0	7.7				
	D4								
	D5								
22	NA D1								
	FCL D2	3.3	2.800	12.0	7.7				
	CLA D3	3.0	2.800	12.0	7.6				
	D4								
	D5								
23	NA D1								
	FCL D2	3.1	3.800	11.0	7.6				
	CLA D3	2.9	3.800	11.0	7.6				
	D4								
	D5								
24	NA D1								
	FCL D2	3.7	3.800	11.0	7.5				
	CLA D3	3.4	3.800	10.0	7.6				
	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	3.1	3.800	12.0	7.6				
	CLA D3	2.9	3.800	12.0	7.6				
	D4								
	D5								
26	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
27	NA D1								
	FCL D2	2.9	4.000	17.0	7.6				
	CLA D3	2.9	4.000	17.0	7.8				
	D4								
	D5								
28	NA D1								
	FCL D2	3.5	2.400	15.0	7.6				
	CLA D3	3.2	2.400	15.0	7.5				
	D4								
	D5								
29	NA D1								
	FCL D2	3.2	4.000	14.0	7.6				
	CLA D3	3.0	4.000	13.0	7.5				
	D4								
	D5								
30	NA D1								
	FCL D2	3.2	3.800	14.0	7.6				
	CLA D3	3.4	3.800	12.0	7.7				
	D4								
	D5								
31	NA D1								
	FCL D2	3.1	3.800	13.0	7.6				
	CLA D3	2.8	3.800	13.0	7.7				
	D4								
	D5								
						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: January 5, 2009