

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
Report for the Month of: February 2007

Operator's Signature: _____
Certificate No. & Grade: W00012234 A Date: March 1, 2007

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	<u>167</u>	Number of 4-hour periods when plant was off-line:	<u>1</u>
Number of readings above 0.10 NTU:	<u>13</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:	<u>0.08</u> NTU
	Minimum turbidity reading: <u>0.05</u> NTU	Standard deviation:	<u>0.015</u> NTU
Additional report(s) for individual filter monitoring required:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter Profile	<input type="radio"/> Filter Assessment
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	<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>28</u>
		Number of days when CT data was not collected:	<u>28</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>53</u>	Percentage of readings with a low residual this month:	<u>0.0</u> % (6A)
Average disinfectant residual value:	<u>2.74</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:	
		COMMISSION	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: 11,050

Month: February 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	3.218	3.132	49	87							0.11	0.10	0.14	0.08	0.10	0.09	3.3	
2	3.235	3.137	52	86							0.09	0.10	0.11	0.08	0.07	0.07	3.3	
3	2.316	2.208	42	93							0.09	X	0.08	0.07	0.08	0.09	2.5	
4	3.171	3.137	42	94							0.10	0.10	0.11	0.10	0.09	0.09	3.3	
5	3.194	3.129	44	90							0.08	0.08	0.08	0.08	0.09	0.08	3.3	
6	3.178	3.135	46	89							0.08	0.08	0.08	0.08	0.08	0.09	3.3	
7	3.259	3.190	51	91							0.08	0.08	0.09	0.09	0.09	0.06	3.2	
8	3.205	3.045	53	94							0.11	0.09	0.12	0.11	0.10	0.09	3.3	
9	3.081	3.047	51	93							0.11	0.10	0.13	0.13	0.15	0.11	3.4	
10	3.356	3.312	52	89							0.12	0.10	0.07	0.07	0.05	0.07	3.3	
11	3.210	3.146	50	99							0.08	0.07	0.09	0.08	0.08	0.06	3.3	
12	3.216	3.186	48	125							0.08	0.09	0.10	0.09	0.08	0.09	3.3	
13	3.194	3.054	47	133							0.07	0.07	0.09	0.10	0.09	0.08	3.1	
14	3.035	3.028	54	150							0.09	0.09	0.10	0.09	0.09	0.09	3.0	
15	3.369	3.226	58	145							0.07	0.08	0.06	0.09	0.08	0.10	3.4	
16	3.255	3.250	58	143							0.09	0.08	0.08	0.08	0.06	0.05	3.4	
17	3.058	2.883	56	138							0.08	0.09	0.08	0.10	0.10	0.08	3.2	
18	3.204	3.162	54	156							0.08	0.07	0.09	0.08	0.09	0.08	3.5	
19	3.195	3.166	48	143							0.09	0.08	0.07	0.08	0.09	0.08	3.3	
20	3.378	3.315	49	159							0.07	0.07	0.09	0.09	0.09	0.08	3.3	
21	3.142	3.036	51	131							0.08	0.08	0.09	0.08	0.07	0.08	3.4	
22	3.185	3.161	57	113							0.07	0.08	0.07	0.07	0.07	0.07	3.4	
23	3.222	3.117	55	108							0.08	0.07	0.08	0.06	0.07	0.06	3.4	
24	3.248	3.178	45	105							0.07	0.08	0.07	0.07	0.07	0.07	3.3	
25	3.125	3.122	67	108							0.08	0.08	0.07	0.08	0.08	0.08	3.4	
26	3.240	3.098	54	104							0.06	0.08	0.10	0.08	0.07	0.08	3.4	
27	3.211	3.075	52	106							0.07	0.08	0.09	0.08	0.08	0.08	3.3	
28	3.289	3.188	55	107							0.08	0.08	0.09	0.07	0.07	0.06	3.3	
29																		
30																		
31																		
Total	88.989	86.863																
Avg	3.178	3.102																
Max	3.378	3.315																
Min	2.316	2.208																

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: March 1, 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: February 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																		
1	0.10	0.10	0.09	X	0.11	0.11	0.09	X												
2	0.08	X	0.09	0.09	0.09	X	0.13	0.13												
3	0.12	0.12	0.08	0.07	0.07	0.07	0.12	0.12												
4	0.11	X	0.09	0.09	0.11	0.11	0.11	X												
5	0.11	0.11	0.09	0.09	0.09	X	0.10	X												
6	0.10	X	0.07	X	0.11	0.11	0.08	X												
7	0.10	0.10	0.09	0.09	0.09	X	0.10	X												
8	0.09	X	0.07	X	0.12	0.12	0.13	0.13												
9	0.13	0.13	0.11	0.11	0.10	X	0.12	X												
10	0.09	X	0.11	0.11	0.07	X	0.11	X												
11	0.11	0.11	0.10	X	0.11	0.11	0.09	X												
12	0.09	X	0.10	0.10	0.08	X	0.09	X												
13	0.13	0.13	0.09	X	0.12	0.12	0.15	0.15												
14	0.09	X	0.09	0.09	0.09	X	0.11	X												
15	0.11	0.11	0.10	0.10	0.11	0.11	0.09	X												
16	0.09	X	0.09	X	0.09	X	0.09	X												
17	0.11	0.11	0.09	0.09	0.10	0.10	0.11	0.11												
18	0.08	X	0.09	0.09	0.08	X	0.09	X												
19	0.10	0.10	0.08	X	0.06	X	0.09	X												
20	0.08	X	0.09	0.09	0.10	0.10	0.09	X												
21	0.10	0.10	0.07	X	0.08	X	0.08	X												
22	0.08	X	0.09	X	0.06	X	0.13	0.13												
23	0.10	0.10	0.07	X	0.10	0.10	0.11	X												
24	0.07	X	0.09	0.09	0.07	X	0.09	X												
25	0.10	0.10	0.06	X	0.06	X	0.08	X												
26	0.07	X	0.09	0.09	0.10	0.10	0.13	0.13												
27	0.10	0.10	0.09	0.09	0.12	0.12	0.12	X												
28	0.07	X	0.08	X	0.11	X	0.13	0.13												
29																				
30																				
31																				

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. and Grade: W00012234 A Date: March 1, 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: February Year: 2007 PWS IC

DISINFECTION PROCESS PARAMETERS										
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS					
Parameters	Disinfection Zones					Log Inactivations				Parar
	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 (f

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time _{in}
1	NA D1								
	FCL D2	3.7	3.500	8.0	7.5				
	CLA D3	3.3	3.500	8.0	7.5				
	D4								
	D5								
2	NA D1								
	FCL D2	3.7	3.500	8.0	7.4				
	CLA D3	3.5	3.500	8.0	7.4				
	D4								
	D5								
3	NA D1								
	FCL D2	3.5	3.500	8.0	7.4				
	CLA D3	3.6	3.500	8.0	7.4				
	D4								
	D5								
4	NA D1								
	FCL D2	3.6	3.500	9.0	7.5				
	CLA D3	3.3	3.500	7.0	7.5				
	D4								
	D5								
5	NA D1								
	FCL D2	3.5	3.500	10.0	7.8				
	CLA D3	3.2	3.500	8.0	7.6				
	D4								
	D5								
6	NA D1								
	FCL D2	3.6	3.500	8.0	7.5				
	CLA D3	3.4	3.500	8.0	7.5				
	D4								
	D5								
7	NA D1								
	FCL D2	3.7	3.500	10.0	7.5				
	CLA D3	3.2	3.500	8.0	7.5				
	D4								
	D5								
8	NA D1								
	FCL D2	3.5	3.500	10.0	7.6				
	CLA D3	3.4	3.500	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 _{in}	Date
9	NA D1									17
	FCL D2	3.5	3.500	10.0	7.3					
	CLA D3	3.4	3.500	10.0	7.2					
	D4									
	D5									
10	NA D1									18
	FCL D2	3.6	3.500	10.0	7.2					
	CLA D3	3.5	3.500	10.0	7.3					
	D4									
	D5									
11	NA D1									19
	FCL D2	3.5	3.500	10.0	7.5					
	CLA D3	3.4	3.500	9.0	7.6					
	D4									
	D5									
12	NA D1									20
	FCL D2	3.6	3.500	9.0	7.8					
	CLA D3	3.4	3.500	9.0	7.7					
	D4									
	D5									
13	NA D1									21
	FCL D2	3.6	3.500	11.0	7.4					
	CLA D3	3.2	3.500	10.0	7.4					
	D4									
	D5									
14	NA D1									22
	FCL D2	3.4	3.500	10.0	7.7					
	CLA D3	3.1	3.500	9.0	7.6					
	D4									
	D5									
15	NA D1									23
	FCL D2	3.8	3.500	9.0	7.2					
	CLA D3	3.4	3.500	9.0	7.3					
	D4									
	D5									
16	NA D1									24
	FCL D2	3.7	3.500	8.0	7.5					
	CLA D3	3.5	3.500	8.0	7.4					
	D4									
	D5									

NOTE: ONLY use the "Time_{in}" 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: March 1, 2007 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.)

C WATER
 EM NAME: City of Corsicana
 D No.: 1750002

PLANT NAME
 OR NUMBER: Lake Halbert
 Month: February Year: 2007

DISINFECTION PROCESS PARAMETERS									
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS				
Disinfection Zones					Log Inactivations				
meters	D1	D2	D3	D4	D5	Giardia lamblia Cysts		Virus	
Rate (MGD)	4.000	4.000	4.000			0.5		2.0	
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	3.6	3.500	7.0	7.3					
CLA D3	3.3	3.500	8.0	7.4					
D4									
D5									
NA D1									
FCL D2	3.5	3.500	7.0	7.6					
CLA D3	3.5	3.500	8.0	7.6					
D4									
D5									
NA D1									
FCL D2	3.4	3.500	8.0	7.5					
CLA D3	3.5	3.500	8.0	7.4					
D4									
D5									
NA D1									
FCL D2	3.8	3.500	8.0	7.5					
CLA D3	3.3	3.500	8.0	7.4					
D4									
D5									
NA D1									
FCL D2	3.8	3.500	8.0	7.5					
CLA D3	3.4	3.500	8.0	7.4					
D4									
D5									
NA D1									
FCL D2	3.7	3.500	10.0	7.5					
CLA D3	3.4	3.500	10.0	7.4					
D4									
D5									
NA D1									
FCL D2	3.6	3.500	11.0	7.3					
CLA D3	3.5	3.500	11.0	7.4					
D4									
D5									
NA D1									
FCL D2	3.6	3.500	12.0	7.3					
CLA D3	3.4	3.500	11.0	7.4					
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	3.8	3.500	14.0	7.4				
	CLA D3	3.6	3.500	13.0	7.4				
	D4								
	D5								
26	NA D1								
	FCL D2	3.7	3.500	14.0	7.4				
	CLA D3	3.6	3.500	13.0	7.5				
	D4								
	D5								
27	NA D1								
	FCL D2	3.5	3.500	14.0	7.4				
	CLA D3	3.5	3.500	13.0	7.4				
	D4								
	D5								
28	NA D1								
	FCL D2	3.7	3.500	15.0	7.6				
	CLA D3	3.5	3.500	14.0	7.6				
	D4								
	D5								
29	D1								
	D2								
	D3								
	D4								
	D5								
30	D1								
	D2								
	D3								
	D4								
	D5								
31	D1								
	D2								
	D3								
	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.

TESTED BY: _____ Certificate No. and Grade: W00012234 A Date: March 1, 2007