

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>July 2007</u>	Operator's Signature: _____ Certificate No. & Grade: <u>W00012234 A</u> Date: <u>August 2, 2007</u>

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	90	Number of 4-hour periods when plant was off-line:	96
Number of readings above 0.10 NTU:	40	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:	0.23 NTU	Average turbidity value:
	Minimum turbidity reading:	0.05 NTU	0.11 NTU
			Standard deviation:
			0.041 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:	27
		Number of days when CT data was not collected:	27
Minimum disinfectant residual required leaving the plant:	0.2 mg/L	<input checked="" type="radio"/> Free Chlorine <input 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:	0.2 mg/L	<input checked="" type="radio"/> Free Chlorine <input 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:	1.16	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
 PWS ID No.: 1750002
 Month: July Year: 2007

PLANT NAME OR NUMBER: Lake Halbert
 Connections: 11,500
 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	Aik.	Basin No.						Turbidity						Lowest Residual	Time	
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6			
1	1.350	1.343	40	97								X	X	X	0.07	0.11	0.08	3.2	
2	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
3	2.673	2.483	31	88								X	0.11	0.14	0.16	0.19	X	2.9	
4	1.368	1.255	59	100								X	X	X	X	0.10	0.09	3.1	
5	2.252	2.060	41	103								0.06	X	0.21	0.16	0.10	X	3.3	
6	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
7	2.425	2.419	48	92								X	X	X	0.20	0.20	0.18	2.9	
8	1.025	1.007	42	90								0.11	0.11	X	X	X	X	3.2	
9	1.000	0.991	40	94								X	X	X	X	0.13	0.11	2.4	
10	2.535	2.524	29	91								0.11	0.09	0.09	0.08	0.09	X	2.9	
11	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
12	3.157	3.056	56	93								X	0.11	0.08	0.07	0.07	0.05	2.6	
13	0.800	0.778	36	102								X	X	X	X	0.12	0.08	3.1	
14	3.070	2.898	53	95								0.12	0.15	0.23	0.18	0.18	0.14	2.1	
15	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
16	1.475	1.468	52	98								X	X	X	X	0.18	0.11	2.0	
17	2.980	2.899	45	98								0.10	0.10	0.10	0.08	0.08	0.08	3.2	
18	2.175	2.163	63	94								X	X	X	0.07	0.07	0.05	3.6	
19	2.520	2.329	65	99								0.07	0.08	0.08	0.06	0.10	X	3.1	
20	1.808	1.737	40	98								X	X	0.15	0.19	0.10	0.12	3.1	
21	1.675	1.665	48	102								0.12	X	X	X	0.18	0.17	2.5	
22	1.225	1.217	41	98								X	X	X	X	0.10	0.10	3.3	
23	0.750	0.748	49	104								X	X	X	X	0.09	0.09	2.5	
24	1.775	1.750	40	91								0.10	0.09	0.09	0.10	0.07	0.08	2.0	
25	2.875	2.771	40	92								0.07	0.07	0.11	0.08	0.06	0.07	2.9	
26	1.300	1.280	44	99								0.09	0.07	0.10	X	X	X	3.1	
27	1.204	1.143	39	102								X	X	X	X	0.07	0.06	2.1	
28	1.807	1.745	45	101								0.13	X	X	X	X	0.11	2.1	
29	0.350	0.340	56	92								0.11	X	X	X	X	X	3.0	
30	1.277	1.107	34	99								X	X	X	0.21	0.12	0.11	1.0	
31	1.225	1.206	39	102								X	X	X	X	0.12	0.11	3.5	
Total	48.076	46.382																	
Avg	1.551	1.496																	
Max	3.157	3.056																	
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: August 2, 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: July 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	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs	Max	4 Hrs		
1	0.21	0.11	0.06	0.05	0.05	0.04	0.07	0.05												
2	X	X	X	X	X	X	X	X												
3	0.13	0.12	0.22	0.22	0.23	0.23	0.21	0.21												
4	0.11	0.11	0.13	0.13	0.17	0.17	0.21	0.21												
5	0.11	0.10	0.27	0.27	0.16	0.12	0.29	0.29												
6	X	X	X	X	X	X	X	X												
7	0.24	0.23	0.15	0.15	0.09	0.09	0.27	0.27												
8	0.17	X	0.10	X	0.07	X	0.13	X												
9	0.14	0.14	0.09	0.09	0.06	0.06	0.11	0.11												
10	0.14	X	0.09	X	0.06	X	0.11	X												
11	X	X	X	X	X	X	X	X												
12	0.10	0.10	0.07	0.06	0.05	0.05	0.08	0.08												
13	0.23	0.23	0.05	0.05	0.04	0.04	0.07	0.07												
14	0.29	0.29	0.25	0.25	0.23	0.23	0.07	X												
15	X	X	X	X	X	X	X	X												
16	0.16	0.16	0.11	0.11	0.11	0.11	0.06	0.06												
17	0.13	X	0.08	X	0.09	X	0.18	0.12												
18	0.09	0.09	0.05	0.05	0.06	0.06	0.12	0.06												
19	0.10	X	0.17	0.17	0.20	0.20	0.14	X												
20	0.24	0.24	0.15	0.15	0.13	0.13	0.10	0.08												
21	0.24	0.20	0.11	0.10	0.10	0.10	0.11	0.11												
22	0.15	0.15	0.08	0.08	0.08	0.08	0.10	0.10												
23	0.15	0.14	0.08	0.08	0.08	0.07	0.08	0.08												
24	0.13	X	0.12	X	0.09	X	0.05	0.05												
25	0.10	X	0.05	0.05	0.08	X	0.12	0.12												
26	0.09	X	0.06	X	0.05	X	0.14	X												
27	0.10	0.08	0.07	0.04	0.05	0.05	0.12	0.12												
28	0.29	0.29	0.20	0.20	0.09	0.05	0.14	0.10												
29	0.20	X	0.14	X	0.06	X	0.11	X												
30	0.28	0.25	0.15	0.12	0.12	0.12	0.08	0.08												
31	0.20	0.16	0.12	0.12	0.09	0.09	0.08	0.06												

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: August 2, 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: July Year: 2007

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 <input type="checkbox"/>
1	NA D1								
	FCL D2	3.6	2.400	27.0	7.2				
	FCL D3	3.3	2.400	27.0	7.2				
	D4								
	D5								
2	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
3	NA D1								
	FCL D2	3.6	3.900	26.0	7.3				
	FCL D3	3.2	3.900	26.0	7.2				
	D4								
	D5								
4	NA D1								
	FCL D2	3.3	3.900	26.0	7.0				
	FCL D3	3.1	3.900	27.0	7.0				
	D4								
	D5								
5	NA D1								
	FCL D2	3.6	3.900	27.0	7.1				
	FCL D3	3.3	3.900	26.0	7.3				
	D4								
	D5								
6	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
7	NA D1								
	FCL D2	3.6	3.800	26.0	7.1				
	FCL D3	3.0	3.800	26.0	7.1				
	D4								
	D5								
8	NA D1								
	FCL D2	3.4	3.800	26.0	7.1				
	FCL D3	3.2	3.800	26.0	7.1				
	D4								
	D5								

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time <input type="checkbox"/>
9	NA D1								
	FCL D2	4.0	3.800	28.0	7.2				
	FCL D3	2.4	3.800	28.0	7.2				
	D4								
	D5								
10	NA D1								
	FCL D2	3.1	3.800	26.0	7.2				
	FCL D3	2.9	3.800	27.0	7.2				
	D4								
	D5								
11	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
12	NA D1								
	FCL D2	3.1	3.800	27.0	7.4				
	FCL D3	2.6	3.800	27.0	7.4				
	D4								
	D5								
13	NA D1								
	FCL D2	3.3	3.800	28.0	7.2				
	FCL D3	2.8	3.800	28.0	7.3				
	D4								
	D5								
14	NA D1								
	FCL D2	4.1	3.800	29.0	7.1				
	FCL D3	3.6	3.800	29.0	7.2				
	D4								
	D5								
15	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
16	NA D1								
	FCL D2	3.0	3.800	29.0	6.9				
	FCL D3	2.0	3.800	29.0	6.7				
	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. W00012234 A and Grade: _____ Date: August 2, 2007

