

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>May 2007</u>	Operator's Signature: _____ Certificate No. & Grade: <u>W00012234 A</u> Date: <u>June 1, 2007</u>

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	73	Number of 4-hour periods when plant was off-line:	113
Number of readings above 0.10 NTU:	34	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:	Average turbidity value:	0.11 NTU
	Minimum turbidity reading:	Standard deviation:	0.025 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:	2.07	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: May 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	2.560	2.480	59	80								0.08	0.09	0.09	0.10	0.13	0.12	3.3	
2	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
3	1.329	1.293	59	86								X	X	X	0.16	0.10	0.07	2.8	
4	0.610	0.602	52	86								0.09	0.10	X	X	X	X	4.1	
5	2.025	1.984	48	80								0.10	0.09	X	X	0.09	0.10	3.1	
6	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
7	3.005	2.097	54	88								X	X	X	X	0.10	0.10	3.0	
8	3.062	3.026	51	83								0.10	0.10	0.11	0.13	0.11	X	3.3	
9	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
10	2.079	2.007	49	86								X	X	X	0.15	0.12	0.07	2.6	
11	0.800	0.777	49	86								0.11	0.10	X	X	X	X	3.5	
12	1.628	1.526	70	87								X	X	X	X	0.12	0.07	2.5	
13	3.192	3.045	61	86								0.11	0.10	X	X	0.08	0.07	3.3	
14	0.375	0.370	62	84								0.14	X	X	X	X	X	3.7	
15	2.251	2.066	56	86								X	X	X	X	0.12	0.12	3.1	
16	3.868	3.799	58	85								0.18	0.16	0.14	0.08	0.09	0.07	3.3	
17	0.275	0.266	58	108								X	X	X	X	X	0.10	3.4	
18	2.246	2.072	52	82								0.13	0.12	0.10	0.09	0.09	0.09	2.0	
19	0.103	0.091	52	88								0.10	X	X	X	X	X	2.5	
20	1.276	1.176	60	84								X	X	X	X	0.13	0.14	2.6	
21	1.583	1.421	58	85								X	X	X	0.16	0.15	0.15	3.1	
22	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
23	1.725	1.717	52	90								X	X	0.15	0.14	0.11	0.10	3.4	
24	0.450	0.446	64	86								0.11	0.11	X	X	X	X	3.2	
25	1.143	0.997	43	90								X	X	X	X	0.10	0.10	3.1	
26	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
27	0.837	0.796	55	100								X	0.12	0.09	0.12	X	X	3.0	
28	0.625	0.579	51	100								X	X	X	X	X	0.11	2.9	
29	1.145	1.141	69	91								X	X	0.15	0.09	0.10	X	3.3	
30	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
31	2.085	2.083	58	87								X	X	X	0.12	0.10	0.09	2.5	
Total	40.277	37.857																	
Avg	1.299	1.221																	
Max	3.868	3.799																	
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: June 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: May 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	0.11	0.10	0.08	0.08	0.11	0.11	0.11	X												
2	X	X	X	X	X	X	X	X												
3	0.11	0.11	X	X	0.10	0.10	0.09	0.09												
4	0.10	X	X	X	0.08	X	0.08	X												
5	0.08	0.08	0.08	0.07	0.13	0.13	0.08	0.07												
6	X	X	X	X	X	X	X	X												
7	0.10	0.10	0.05	0.05	0.11	0.11	0.15	0.15												
8	0.09	X	0.01	0.01	0.09	X	0.12	X												
9	X	X	X	X	X	X	X	X												
10	0.07	0.07	0.13	0.13	0.07	0.07	0.15	0.15												
11	0.06	X	0.07	X	0.06	X	0.15	X												
12	0.07	0.07	0.08	0.07	0.08	0.06	0.17	0.17												
13	0.15	0.11	0.08	0.07	0.12	0.10	0.13	0.13												
14	0.09	X	0.04	0.01	0.08	X	0.09	X												
15	0.11	0.10	X	X	0.22	0.22	0.26	0.26												
16	0.16	0.16	0.01	0.01	0.16	X	0.21	X												
17	0.12	X	X	X	0.09	X	0.13	X												
18	0.14	0.14	X	X	0.09	0.09	0.15	0.14												
19	0.05	X	X	X	0.07	X	0.10	X												
20	0.08	0.08	X	X	0.07	0.07	0.29	0.29												
21	0.20	0.20	X	X	0.21	0.20	0.19	0.16												
22	X	X	X	X	X	X	X	X												
23	0.11	0.11	0.17	0.17	0.15	0.15	0.15	0.15												
24	0.08	X	0.11	X	0.11	X	0.13	X												
25	0.08	0.08	0.12	0.11	0.12	0.11	0.16	X												
26	X	X	X	X	X	X	X	X												
27	0.07	0.07	0.09	0.09	0.10	0.10	0.22	0.20												
28	0.11	0.11	0.08	0.08	0.10	0.10	0.13	X												
29	0.15	0.11	0.08	0.07	0.10	0.08	0.20	0.20												
30	X	X	X	X	X	X	X	X												
31	0.10	0.10	0.07	0.07	0.10	0.10	0.19	0.19												

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: June 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: May Year: 2007

DISINFECTION PROCESS PARAMETERS						
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS	
Parameters	Disinfection Zones				Log Inactivations	
	D1	D2	D3	D4	D5	Giardia lamblia Cysts
Flow Rate (MGD)	4.000	4.000	4.000			Viruses
T ₁₀ (minutes)	78.3	15.1	9.0			0.5
						2.0

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	3.9	3.600	22.0	7.4				
	CLA D3	3.9	3.600	21.0	7.6				
	D4								
	D5								
2	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
3	NA D1								
	FCL D2	2.5	2.500	21.0	7.7				
	CLA D3	2.8	2.500	22.0	7.9				
	D4								
	D5								
4	NA D1								
	FCL D2	4.2	2.500	22.0	7.4				
	CLA D3	4.3	2.500	22.0	7.4				
	D4								
	D5								
5	NA D1								
	FCL D2	2.9	3.500	21.0	7.3				
	CLA D3	3.1	3.500	21.0	7.4				
	D4								
	D5								
6	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
7	NA D1								
	FCL D2	3.1	4.000	22.0	7.6				
	CLA D3	3.0	4.000	23.0	7.7				
	D4								
	D5								
8	NA D1								
	FCL D2	3.8	4.000	23.0	7.4				
	CLA D3	3.6	4.000	23.0	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 <input type="checkbox"/>
9	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
10	NA D1								
	FCL D2	3.6	4.000	23.0	7.6				
	CLA D3	3.3	4.000	23.0	7.4				
	D4								
	D5								
11	NA D1								
	FCL D2	3.6	4.000	23.0	7.2				
	CLA D3	3.5	4.000	23.0	7.2				
	D4								
	D5								
12	NA D1								
	FCL D2	3.9	4.000	23.0	7.3				
	CLA D3	3.7	4.000	23.0	7.4				
	D4								
	D5								
13	NA D1								
	FCL D2	3.8	3.800	25.0	7.3				
	CLA D3	3.8	3.800	25.0	7.3				
	D4								
	D5								
14	NA D1								
	FCL D2	3.4	2.800	26.0	7.0				
	CLA D3	3.7	2.800	26.0	6.8				
	D4								
	D5								
15	NA D1								
	FCL D2	3.6	4.000	24.0	7.3				
	CLA D3	3.1	4.000	24.0	7.5				
	D4								
	D5								
16	NA D1								
	FCL D2	3.7	4.000	26.0	7.5				
	CLA D3	3.5	4.000	25.0	7.2				
	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: June 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 (cont.)

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

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

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 <input type="checkbox"/>
17	NA D1								
	FCL D2	3.6	2.300	23.0	7.2				
	CLA D3	3.4	2.300	25.0	7.2				
	D4								
	D5								
18	NA D1								
	FCL D2	3.3	2.800	24.0	7.4				
	CLA D3	3.4	2.800	25.0	7.3				
	D4								
	D5								
19	NA D1								
	FCL D2	3.9	2.800	25.0	7.3				
	CLA D3	3.7	2.800	25.0	7.3				
	D4								
	D5								
20	NA D1								
	FCL D2	3.1	4.000	25.0	7.3				
	CLA D3	2.6	4.000	25.0	7.2				
	D4								
	D5								
21	NA D1								
	FCL D2	2.7	2.500	23.0	7.3				
	CLA D3	3.1	2.500	24.0	7.6				
	D4								
	D5								
22	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
23	NA D1								
	FCL D2	2.9	2.500	23.0	7.3				
	CLA D3	3.4	2.500	24.0	7.4				
	D4								
	D5								
24	NA D1								
	FCL D2	3.2	2.100	26.0	7.3				
	CLA D3	3.2	2.100	25.0	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"/>
25	NA D1								
	FCL D2	3.5	2.500	24.0	7.4				
	CLA D3	3.4	2.500	24.0	7.4				
	D4								
	D5								
26	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
27	NA D1								
	FCL D2	3.1	2.500	22.0	7.1				
	CLA D3	3.2	2.500	25.0	7.2				
	D4								
	D5								
28	NA D1								
	FCL D2	3.3	2.500	25.0	7.3				
	CLA D3	2.9	2.500	25.0	7.2				
	D4								
	D5								
29	NA D1								
	FCL D2	3.6	2.500	23.0	7.5				
	CLA D3	3.3	2.500	23.0	7.5				
	D4								
	D5								
30	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
31	NA D1								
	FCL D2	3.7	3.800	23.0	7.3				
	CLA D3	2.5	3.800	24.0	7.6				
	D4								
	D5								

Max	NA	NA
Min	NA	NA
Avg	NA	NA
SD	NA	NA

NOTE: ONLY use the "Time

SUBMITTED BY: _____ Certificate No. and Grade: W00012234 A Date: June 1, 2007