

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 2009</u>	Operator's Signature: _____ Certificate No. & Grade: <u>W00012234 A</u> Date: <u>June 1, 2009</u>

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	64	Number of 4-hour periods when plant was off-line:	122
Number of readings above 0.10 NTU:	41	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:	0.12 NTU
	Minimum turbidity reading:	Standard deviation:	0.028 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:	23
		Number of days when CT data was not collected:	23
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: <u>0</u>	

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:	2.17	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: 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	1.365	1.158	30	117								0.13	0.14	0.13	X	X	X	3.4	
2	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
3	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
4	1.221	1.149	35	124								X	X	X	X	0.14	0.13	2.6	
5	2.000	1.888	43	123								X	X	X	0.15	0.10	0.12	2.5	
6	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
7	1.475	1.470	46	120								X	X	X	X	0.14	0.16	2.8	
8	3.724	3.486	48	119								0.14	0.14	0.19	0.17	0.16	0.15	3.5	
9	0.875	0.868	44	118								0.14	0.13	X	X	X	X	3.5	
10	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
11	2.160	1.883	56	121								X	X	X	0.14	0.19	0.13	2.5	
12	1.229	1.149	48	121								0.15	0.15	0.16	X	X	X	3.2	
13	3.025	3.002	44	120								X	X	X	0.16	0.15	0.10	2.6	
14	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
15	1.424	1.222	48	122								X	X	X	X	0.12	0.16	2.5	
16	1.623	1.541	71	120								X	X	0.14	0.15	0.15	0.13	3.2	
17	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
18	1.843	1.742	55	130								X	X	0.12	0.17	0.12	X	2.5	
19	0.799	0.712	47	121								X	X	0.12	0.10	X	X	3.2	
20	1.287	0.817	44	126								X	X	X	X	0.11	0.11	3.0	
21	1.570	1.081	70	120								X	X	X	X	0.09	0.09	3.1	
22	2.311	1.991	75	120								0.09	0.09	X	X	X	0.09	3.4	
23	2.370	1.950	95	120								X	X	0.09	0.10	X	0.12	3.5	
24	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
25	3.050	3.029	45	124								X	X	0.15	0.09	0.09	0.10	3.0	
26	1.171	0.999	45	122								0.10	0.10	X	X	X	X	3.1	
27	0.672	0.544	57	119								X	X	0.13	0.10	X	X	2.8	
28	2.449	2.349	85	120								X	X	X	0.11	0.10	0.09	2.6	
29	0.900	0.893	41	120								X	X	X	X	0.09	0.10	2.5	
30	1.632	1.516	71	122								X	X	X	0.09	0.08	0.09	3.2	
31	0.000	0.000	X	X	X	X						X	X	X	X	X	X	X	
Total	40.175	36.439																	
Avg	1.296	1.175																	
Max	3.724	3.486																	
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, 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: May 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	0.06	0.06	0.07	0.05	0.07	X	0.12	X												
2	X	X	X	X	X	X	X	X												
3	X	X	X	X	X	X	X	X												
4	0.15	0.15	0.14	0.14	0.08	0.08	0.27	0.27												
5	0.09	0.09	0.09	0.09	0.06	0.06	0.15	0.15												
6	X	X	X	X	X	X	X	X												
7	0.08	0.08	0.08	0.07	0.07	0.07	0.11	0.11												
8	0.11	0.11	0.14	0.14	0.12	0.12	0.12	X												
9	0.08	X	0.07	X	0.08	X	0.09	X												
10	X	X	X	X	X	X	X	X												
11	0.09	0.09	0.09	0.09	0.13	0.13	0.20	0.20												
12	0.11	0.11	0.09	X	0.09	X	0.13	X												
13	0.11	0.11	0.10	0.10	0.08	0.08	0.11	0.11												
14	X	X	X	X	X	X	X	X												
15	0.07	0.07	0.07	0.07	0.12	0.12	0.10	0.10												
16	0.14	0.14	0.13	0.13	0.10	0.10	0.10	0.10												
17	X	X	X	X	X	X	X	X												
18	0.08	0.08	0.13	0.13	0.10	0.10	0.13	0.13												
19	0.05	0.05	0.04	0.04	0.06	0.06	0.07	0.07												
20	0.08	0.08	X	X	0.06	0.06	X	X												
21	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.04												
22	0.05	0.05	0.04	0.04	0.04	0.04	0.05	0.05												
23	0.06	0.06	0.05	0.05	0.05	0.05	0.07	0.07												
24	X	X	X	X	X	X	X	X												
25	0.06	0.06	0.06	0.06	0.05	0.05	0.09	0.09												
26	0.05	X	0.04	X	0.06	X	0.07	X												
27	0.07	0.07	X	X	0.05	0.05	X	X												
28	0.06	0.06	0.05	0.05	0.08	0.08	0.08	0.08												
29	0.05	0.05	0.03	0.03	0.05	0.05	0.06	0.06												
30	0.04	0.04	0.03	0.03	0.04	0.04	0.05	0.05												
31	X	X	X	X	X	X	X	X												

SUMMARY & COMPLIANCE ACTIONS	Filter No.											Plant
	Criteria											
	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, 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: May Year: 2009

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	3.5	3.500	22.0	7.5				
	CLA D3	3.5	3.500	23.0	7.5				
	D4								
	D5								
2	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
3	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
4	NA D1								
	FCL D2	3.9	4.000	21.0	7.4				
	CLA D3	3.3	4.000	21.0	7.3				
	D4								
	D5								
5	NA D1								
	FCL D2	3.3	4.000	22.0	7.5				
	CLA D3	2.8	4.000	22.0	7.5				
	D4								
	D5								
6	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
7	NA D1								
	FCL D2	3.4	4.000	24.0	7.4				
	CLA D3	3.4	4.000	24.0	7.4				
	D4								
	D5								
8	NA D1								
	FCL D2	3.0	4.000	24.0	7.4				
	CLA D3	3.6	4.000	24.0	7.3				
	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	3.8	4.000	24.0	7.5				
	CLA D3	3.7	4.000	24.0	7.4				
	D4								
	D5								
10	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
11	NA D1								
	FCL D2	4.3	4.000	24.0	7.3				
	CLA D3	3.8	4.000	25.0	7.4				
	D4								
	D5								
12	NA D1								
	FCL D2	3.7	4.000	25.0	7.4				
	CLA D3	3.8	4.000	25.0	7.5				
	D4								
	D5								
13	NA D1								
	FCL D2	2.9	4.000	21.0	7.5				
	CLA D3	2.6	4.000	24.0	7.3				
	D4								
	D5								
14	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
15	NA D1								
	FCL D2	2.7	4.000	25.0	7.6				
	CLA D3	2.5	4.000	24.0	7.5				
	D4								
	D5								
16	NA D1								
	FCL D2	3.3	3.500	25.0	7.5				
	CLA D3	3.2	3.500	26.0	7.5				
	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, 2009

