

# 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

<b>PUBLIC WATER SYSTEM NAME:</b> <u>City of Corsicana</u>	<b>PLANT NAME OR NUMBER:</b> <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.	
<b>PWS ID No.:</b> <u>1750002</u> <b>Report for the Month of:</b> <u>June 2008</u>	<b>Operator's Signature:</b> _____ <b>Certificate No. &amp; Grade:</b> <u>W00012234 A</u> <b>Date:</b> <u>July 1, 2008</u>

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	121	Number of 4-hour periods when plant was off-line:	59
Number of readings above 0.10 NTU:	107	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:	0.08 NTU	0.14 NTU
			Standard deviation:
			0.032 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:	29
		Number of days when CT data was not collected:	29
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:	66	Percentage of readings with a low residual this month:	0.0 % (6A)
Average disinfectant residual value:	1.98	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: June 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	1.268	1.165	54	94							X	X	X	0.11	0.10	0.10	3.1	
2	1.275	1.256	35	99							X	X	X	0.16	0.13	0.13	3.2	
3	0.900	0.892	38	98							X	X	X	X	0.14	0.12	3.0	
4	3.170	2.962	43	100							0.18	0.17	0.17	0.14	0.09	0.08	3.0	
5	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X	
6	2.424	2.324	46	101							X	0.17	0.14	0.15	0.16	0.18	3.0	
7	2.831	2.678	45	100							0.19	0.14	0.15	0.18	0.18	0.18	3.1	
8	1.375	1.350	47	100							X	X	X	0.12	0.13	0.11	3.1	
9	2.685	2.548	39	100							0.14	0.14	0.15	0.14	0.12	0.11	3.6	
10	1.860	1.770	37	102							0.15	0.16	0.17	0.14	0.09	X	3.2	
11	1.668	1.493	38	96							X	X	0.14	0.15	0.13	0.12	2.5	
12	0.500	0.493	34	90							X	X	X	0.18	0.19	X	3.4	
13	0.550	0.537	27	100							X	0.20	0.20	X	X	X	3.9	
14	2.172	2.061	32	101							X	0.20	0.17	0.17	0.16	0.15	3.1	
15	2.074	1.926	36	100							0.17	0.17	0.14	0.12	0.09	0.09	3.2	
16	1.986	1.847	40	101							0.12	0.12	0.14	0.12	0.08	0.10	3.6	
17	2.160	1.940	42	98							0.11	0.16	0.16	0.14	0.11	0.09	3.0	
18	2.075	2.053	36	98							0.13	0.15	0.17	0.14	0.11	0.12	4.0	
19	0.575	0.549	34	101							0.14	X	X	X	X	0.19	3.1	
20	1.978	1.935	33	102							0.15	0.14	0.13	0.09	0.14	0.10	3.0	
21	2.698	2.598	44	102							0.12	0.12	0.12	0.12	0.12	0.12	3.5	
22	2.191	2.009	41	101							0.12	0.12	0.10	0.12	0.13	0.12	3.6	
23	0.927	0.870	39	100							X	X	X	X	0.18	0.13	2.9	
24	0.750	0.731	41	106							X	X	X	X	X	0.11	2.4	
25	2.347	2.291	37	100							0.15	0.15	0.13	0.10	0.14	0.13	2.8	
26	1.225	1.216	28	103							X	X	X	X	0.21	0.23	3.0	
27	1.300	1.286	27	102							0.21	X	X	X	0.22	0.20	2.7	
28	1.825	1.799	25	101							0.20	X	X	0.19	0.17	0.13	2.7	
29	1.660	1.531	27	101							0.12	0.12	0.14	X	X	0.14	3.2	
30	1.425	1.403	30	98							X	X	X	0.17	0.15	0.16	2.7	
31																		
<b>Total</b>	49.874	47.513																
<b>Avg</b>	1.662	1.584																
<b>Max</b>	3.170	2.962																
<b>Min</b>	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: July 1, 2008

# 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: June 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	0.09	0.09	0.10	0.10	0.11	0.11	X	X												
2	0.12	0.12	X	X	0.11	0.11	X	X												
3	0.11	0.11	X	X	0.10	0.10	X	X												
4	0.12	0.12	0.09	0.09	0.10	0.10	X	X												
5	X	X	X	X	X	X	X	X												
6	0.10	0.09	X	X	0.10	0.10	0.13	0.13												
7	0.13	0.10	0.11	0.11	0.11	0.11	0.06	0.05												
8	0.12	0.11	0.07	0.07	0.09	0.09	X	X												
9	0.12	0.11	0.06	0.06	0.06	0.06	X	X												
10	0.12	0.12	0.11	0.09	0.07	0.05	0.05	0.05												
11	0.17	0.17	0.10	0.10	0.12	0.11	0.10	0.10												
12	0.14	0.14	0.11	0.11	0.09	0.09	X	X												
13	0.13	0.13	0.12	0.12	0.10	0.10	X	X												
14	0.18	0.16	0.09	0.09	0.11	0.11	0.11	0.11												
15	0.12	0.12	0.08	0.08	0.08	0.08	X	X												
16	0.15	0.11	0.06	0.06	0.08	0.08	X	X												
17	0.11	0.08	0.08	0.08	0.06	0.06	X	X												
18	0.07	X	0.06	X	0.06	0.06	X	X												
19	0.07	X	0.06	X	0.11	0.11	0.13	0.13												
20	0.11	0.11	0.05	0.05	0.10	0.09	0.10	0.10												
21	0.08	X	0.05	X	0.05	X	X	X												
22	0.09	0.09	0.10	0.06	0.06	0.06	X	X												
23	0.09	0.09	0.05	0.05	0.06	0.06	X	X												
24	0.12	0.11	0.07	0.07	0.06	0.06	X	X												
25	0.12	0.12	0.12	0.08	0.11	0.05	X	X												
26	0.13	0.11	0.09	0.08	0.05	0.05	X	X												
27	0.12	0.10	0.08	0.08	0.05	0.05	X	X												
28	0.13	0.13	0.09	0.09	0.05	0.05	X	X												
29	0.16	0.16	0.08	0.08	0.11	0.11	X	X												
30	0.11	0.11	0.06	0.06	0.08	0.08	X	X												
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: July 1, 2008

# 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: June Year: 2008

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			0.5
T <sub>10</sub> (minutes)	78.3	15.1	9.0			2.0

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	2.500	26.0	7.0				
	CLA D3	3.1	2.500	26.0	7.2				
	D4								
	D5								
2	NA D1								
	FCL D2	3.4	2.500	26.0	7.1				
	CLA D3	3.2	2.500	26.0	7.3				
	D4								
	D5								
3	NA D1								
	FCL D2	3.4	2.500	26.0	7.0				
	CLA D3	3.0	2.500	26.0	7.3				
	D4								
	D5								
4	NA D1								
	FCL D2	2.8	3.800	27.0	6.8				
	CLA D3	3.0	3.800	26.0	7.1				
	D4								
	D5								
5	NA D1								
	NA D2								
	NA D3					NA	NA	NA	
	D4								
	D5								
6	NA D1								
	FCL D2	3.4	2.500	26.0	6.9				
	CLA D3	3.0	2.500	26.0	7.0				
	D4								
	D5								
7	NA D1								
	FCL D2	4.0	2.500	23.0	7.0				
	CLA D3	3.7	2.500	24.0	7.3				
	D4								
	D5								
8	NA D1								
	FCL D2	3.6	2.500	26.0	7.0				
	CLA D3	3.1	2.500	26.0	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
9	NA D1								
	FCL D2	3.7	2.500	28.0	7.2				
	CLA D3	3.6	2.500	29.0	7.2				
	D4								
	D5								
10	NA D1								
	FCL D2	3.9	2.500	28.0	7.1				
	CLA D3	3.8	2.500	28.0	7.4				
	D4								
	D5								
11	NA D1								
	FCL D2	2.9	2.500	27.0	7.2				
	CLA D3	2.5	2.500	27.0	7.6				
	D4								
	D5								
12	NA D1								
	FCL D2	3.6	2.500	26.0	7.1				
	CLA D3	3.4	2.500	26.0	7.4				
	D4								
	D5								
13	NA D1								
	FCL D2	3.5	2.500	25.0	7.2				
	CLA D3	3.9	2.500	26.0	7.4				
	D4								
	D5								
14	NA D1								
	FCL D2	3.8	2.500	20.0	7.3				
	CLA D3	3.2	2.500	21.0	7.3				
	D4								
	D5								
15	NA D1								
	FCL D2	3.8	2.200	28.0	7.1				
	CLA D3	3.9	2.200	29.0	7.5				
	D4								
	D5								
16	NA D1								
	FCL D2	3.9	2.200	29.0	7.5				
	CLA D3	3.9	2.200	29.0	7.4				
	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: July 1, 2008

# 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: June 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 <sub>10</sub> (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	4.0	2.500	28.0	7.3				
	CLA D3	4.0	2.500	28.0	7.3				
	D4								
	D5								
18	NA D1								
	FCL D2	4.0	2.200	27.0	7.3				
	CLA D3	4.0	2.200	27.0	7.3				
	D4								
	D5								
19	NA D1								
	FCL D2	3.9	2.200	28.0	7.4				
	CLA D3	4.0	2.200	28.0	7.4				
	D4								
	D5								
20	NA D1								
	FCL D2	3.8	2.300	27.0	7.4				
	CLA D3	4.0	2.300	27.0	7.4				
	D4								
	D5								
21	NA D1								
	FCL D2	3.9	2.300	23.0	7.7				
	CLA D3	3.5	2.300	24.0	7.7				
	D4								
	D5								
22	NA D1								
	FCL D2	4.0	2.300	28.0	7.6				
	CLA D3	4.0	2.300	29.0	7.6				
	D4								
	D5								
23	NA D1								
	FCL D2	3.4	2.400	28.0	7.6				
	CLA D3	2.9	2.400	28.0	7.5				
	D4								
	D5								
24	NA D1								
	FCL D2	3.5	2.400	28.0	7.5				
	CLA D3	2.4	2.400	28.0	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"/>
25	NA D1								
	FCL D2	3.5	2.400	27.0	7.4				
	CLA D3	2.8	2.400	27.0	7.4				
	D4								
	D5								
26	NA D1								
	FCL D2	3.6	2.500	27.0	7.7				
	CLA D3	3.4	2.500	28.0	7.6				
	D4								
	D5								
27	NA D1								
	FCL D2	3.9	2.500	22.0	7.6				
	CLA D3	3.6	2.500	23.0	7.6				
	D4								
	D5								
28	NA D1								
	FCL D2	2.8	2.500	26.0	7.5				
	CLA D3	3.6	2.500	23.0	7.4				
	D4								
	D5								
29	NA D1								
	FCL D2	3.8	2.500	28.0	7.5				
	CLA D3	3.9	2.500	28.0	7.5				
	D4								
	D5								
30	NA D1								
	FCL D2	3.0	2.400	28.0	7.5				
	CLA D3	2.7	2.400	28.0	7.4				
	D4								
	D5								
31	D1								
	D2								
	D3								
	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: July 1, 2008