

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

Operator's Signature:

Report for

the Month of: May 2006

Certificate No. & Grade:

W00012234 A

Date: June 1, 2006

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	78	Number of 4-hour periods when plant was off-line:	108
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:	0.16 NTU	Average turbidity value:	0.11 NTU
	Minimum turbidity reading:	0.06 NTU	Standard deviation:	0.026 NTU

Additional report(s) for individual filter monitoring required: ☒ NONE ☐ Filter Profile ☐ Filter Assessment ☐ CPE

Additional report(s) for individual filter monitoring submitted: ☒ NONE ☐ Filter Profile ☐ Filter Assessment ☐ 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:	25
		Number of days when CT data was not collected:	25

Minimum disinfectant residual required leaving the plant: 0.5 mg/L ☐ Free Chlorine ☒ 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 ☐ Free Chlorine ☒ Total Chlorine

Total number of readings this month: 56

Average disinfectant residual value: 2.55

Percentage of readings with a low residual this month: 0.0 % (6A)

Number of readings with a low residual: 0

Percentage of readings with a low residual last month: 0.0 % (6B)

Number of readings with no detectable residual: 0

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: 8,734

Month: May Year: 2006

Population: 24,485

					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	Time		
					1	2	3	4	5	6	NTU1	NTU2	NTU3	NTU4	NTU5	NTU6	Residual			
1	0.814	0.453	33	172							X	X	X	X	X	0.11	2.4			
2	2.087	1.997	32	147							0.12	0.10	0.10	0.09	0.09	0.09	3.3			
3	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X			
4	0.993	0.904	36	176							X	X	X	X	0.10	0.06	2.1			
5	1.456	1.342	32	148							0.06	0.06	0.09	0.08	X	X	2.8			
6	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X			
7	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X			
8	0.430	0.411	46	126							X	X	X	X	X	0.14	2.5			
9	2.030	2.027	46	121							0.12	0.11	0.11	0.11	0.11	0.10	2.9			
10	1.923	1.829	37	118							X	X	X	0.14	0.10	0.09	2.5			
11	2.847	2.806	43	123							0.13	0.10	0.10	0.07	0.06	0.06	1.5			
12	1.733	1.641	41	127							0.10	0.10	0.09	0.11	X	X	2.5			
13	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X			
14	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X			
15	1.460	1.458	54	121							X	X	X	0.15	0.15	0.16	2.5			
16	0.590	0.588	56	126							0.07	0.08	X	X	X	X	3.8			
17	1.756	1.657	47	121							X	X	X	X	0.07	0.09	3.6			
18	1.150	1.148	37	124							0.11	0.12	X	X	X	X	3.5			
19	1.958	1.906	30	124							X	X	X	0.14	0.12	0.12	2.5			
20	0.990	0.984	31	125							0.13	0.12	X	X	0.15	X	2.4			
21	0.000	0.000	X	X	X	X					X	X	X	X	X	X	X			
22	2.000	1.994	34	125							X	X	X	0.13	0.07	0.09	2.9			
23	0.880	0.878	37	127							0.10	0.10	0.12	X	X	X	2.7			
24	1.350	1.348	39	124							X	X	X	0.15	0.10	0.08	3.0			
25	1.385	1.252	36	122							X	X	X	X	0.10	0.10	3.0			
26	2.850	2.845	36	122							0.11	0.10	0.15	0.14	0.14	0.13	3.0			
27	0.540	0.535	34	124							0.13	0.13	X	X	X	X	3.6			
28	1.076	0.968	38	124							X	X	X	X	0.16	0.10	1.9			
29	1.115	1.102	40	127							0.09	0.10	0.12	0.09	X	X	2.5			
30	1.050	1.047	30	122							X	X	X	X	0.09	0.10	2.4			
31	1.150	1.080	35	130							0.06	X	X	X	0.08	0.07	3.0			
Total	35.613	34.200	⚠ 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.																	
Avg	1.149	1.103																		
Max	2.850	2.845																		
Min	0.000	0.000																		

SUBMITTED BY: _____ Certificate No. and Grade: W00012234 A Date: June 1, 2006

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: 2006

PERFORMANCE DATA																				
Date	INDIVIDUAL FILTER TURBIDITY																			
	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	0.13	0.13	0.10	0.10	0.11	0.10	0.18	0.18												
2	0.12	X	0.10	X	0.14	0.13	0.18	X												
3	X	X	X	X	X	X	X	X												
4	0.11	0.11	0.10	0.10	0.14	0.14	0.18	0.17												
5	0.11	X	0.15	0.15	0.13	X	0.17	X												
6	X	X	X	X	X	X	X	X												
7	X	X	X	X	X	X	X	X												
8	0.16	0.15	0.10	0.10	0.09	0.09	0.17	0.16												
9	0.10	X	0.13	X	0.12	X	0.18	X												
10	0.20	0.17	0.13	0.12	0.13	0.11	0.18	0.15												
11	0.15	X	0.12	X	0.12	X	0.23	0.16												
12	0.13	X	0.15	0.15	0.15	0.15	0.22	X												
13	X	X	X	X	X	X	X	X												
14	X	X	X	X	X	X	X	X												
15	0.11	0.11	0.16	0.16	0.18	0.18	0.17	0.17												
16	0.09	X	0.13	X	0.13	X	0.17	X												
17	0.10	X	0.12	0.12	0.13	0.13	0.18	0.18												
18	0.13	0.13	0.11	X	0.12	X	0.17	X												
19	0.12	0.12	0.11	0.11	0.11	0.11	0.18	0.18												
20	0.10	0.10	0.11	0.10	0.10	0.10	0.15	0.15												
21	X	X	X	X	X	X	X	X												
22	0.11	0.10	0.11	0.10	0.12	0.11	0.19	0.15												
23	0.10	X	0.16	0.16	0.11	X	0.19	X												
24	0.10	0.10	0.16	0.16	0.10	0.10	0.16	0.16												
25	0.09	0.09	0.15	0.15	0.18	0.18	0.18	0.16												
26	0.18	0.18	0.13	X	0.16	X	0.17	X												
27	0.12	X	0.11	X	0.11	X	0.16	X												
28	0.12	0.11	0.15	0.14	0.12	X	0.18	0.18												
29	0.11	X	0.13	X	0.10	X	0.15	X												
30	0.09	0.09	0.10	0.10	0.10	0.10	0.15	0.14												
31	0.09	0.09	0.10	0.10	0.10	0.09	0.15	0.13												

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?											

SUBMITTED BY: _____ Certificate No. _____ and Grade: W00012234 A Date: June 1, 2006

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: 2006 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					0.5	2.0	Flow	
T ₁₀ (minutes)	18.0							T ₁₀ (r	

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
1	FCL D1	3.1	2.500	24.0	7.8				
	D2								
	D3								
	D4								
	D5								
2	FCL D1	3.4	2.500	23.0	7.6				
	D2								
	D3								
	D4								
	D5								
3	NA D1								
	D2								
	D3					NA	NA	NA	
	D4								
	D5								
4	FCL D1	3.0	2.400	24.0	7.6				
	D2								
	D3								
	D4								
	D5								
5	FCL D1	3.0	2.400	24.0	7.5				
	D2								
	D3								
	D4								
	D5								
6	NA D1								
	D2								
	D3					NA	NA	NA	
	D4								
	D5								
7	NA D1								
	D2								
	D3					NA	NA	NA	
	D4								
	D5								
8	FCL D1	2.8	2.400	23.0	7.1				
	D2								
	D3								
	D4								
	D5								

NOTE: ONLY use the "Time" column to show the length of time that the total inactivation ratio was less than 1.00.

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
9	FCL D1	3.7	2.400	25.0	7.5				
	D2								
	D3								
	D4								
	D5								
10	FCL D1	3.8	4.000	25.0	7.3				
	D2								
	D3								
	D4								
	D5								
11	FCL D1	3.8	4.000	25.0	7.5				
	D2								
	D3								
	D4								
	D5								
12	FCL D1	3.4	4.000	25.0	7.5				
	D2								
	D3								
	D4								
	D5								
13	NA D1								
	D2								
	D3					NA	NA	NA	
	D4								
	D5								
14	NA D1								
	D2								
	D3					NA	NA	NA	
	D4								
	D5								
15	FCL D1	2.7	2.000	22.0	7.1				
	D2								
	D3								
	D4								
	D5								
16	FCL D1	3.6	2.000	23.0	7.6				
	D2								
	D3								
	D4								
	D5								

NOTE:

SUBMITTED BY: _____ Certificate No. _____ and Grade: W00012234 A Date: June 1, 2006 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 NAME: <u>City of Corsicana</u> D No.: <u>1750002</u>	PLANT NAME OR NUMBER: <u>Lake Halbert</u> Month: <u>May</u> Year: <u>2006</u>
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DISINFECTION PROCESS PARAMETERS							
APPROVED CT STUDY PARAMETERS					PERFORMANCE STANDARDS		
meters	Disinfection Zones				Log Inactivations		
	D1	D2	D3	D4	Giardia lamblia Cysts	Virus	
Rate (MGD)	4.000						
minutes)	18.0				0.5	2.0	

PERFORMANCE DATA								
DISINFECTION PROCESS DATA								
Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
FCL D1	3.7	4.000	23.0	7.9				
D2								
D3								
D4								
D5								
FCL D1	3.4	4.000	24.0	7.6				
D2								
D3								
D4								
D5								
FCL D1	2.5	4.000	23.0	7.4				
D2								
D3								
D4								
D5								
FCL D1	4.0	2.000	25.0	7.5				
D2								
D3								
D4								
D5								
NA D1								
D2								
D3					NA	NA	NA	
D4								
D5								
FCL D1	4.0	4.000	25.0	7.1				
D2								
D3								
D4								
D5								
FCL D1	3.0	2.300	26.0	7.4				
D2								
D3								
D4								
D5								
FCL D1	2.7	2.000	25.0	7.2				
D2								
D3								
D4								
D5								

PERFORMANCE DATA									
Date	DISINFECTION PROCESS DATA								
	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time
25	FCL D1	3.0	2.500	26.0	7.3				
	D2								
	D3								
	D4								
	D5								
26	FCL D1	3.5	3.200	26.0	7.4				
	D2								
	D3								
	D4								
	D5								
27	FCL D1	3.5	2.500	26.0	7.4				
	D2								
	D3								
	D4								
	D5								
28	FCL D1	3.5	2.300	26.0	7.5				
	D2								
	D3								
	D4								
	D5								
29	FCL D1	3.9	2.300	26.0	7.4				
	D2								
	D3								
	D4								
	D5								
30	FCL D1	2.7	2.300	21.0	7.2				
	D2								
	D3								
	D4								
	D5								
31	FCL D1	2.9	2.300	25.0	7.4				
	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.

ISSUED BY: _____	Certificate No. and Grade: <u>W00012234 A</u>	Date: <u>June 1, 2006</u>
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