

DATE		RAW WATER TREATED 1,000 GALLONS	FILTER DATA		FILTER OPERATION DATA										DISINFECTION AND CT VALUES					March-23 Page 2 of 2			
COMPLETE APPLICABLE BLANKS EACH MONTH.					NUMBER OF FILTERS USED	COL 5A x HOURS RUN	AVERAGE LENGTH FILTER RUN HOURS	RATE-OF-FLOW GAUGES WORKING	LOSS-OF-HEAD GAUGES WORKING	TURBIDIMETERS WORKING	BACKWASH RATE gpm/ft2	BACKWASH WATER USED--1,000 gallons	NUMBER OF FILTERS WASHED	SECOND DISINFECTION SEQUENCE					CT CAL CT REQ	TOTAL RATIO	FREE CHLORINE CONCENTRATION AT POINT OF SAMPLING & DISTRIBUTION SYSTEM	Location of sampling point in distribution system. Must vary within system.	
														FREE CHLORINE SEQUENCE	CONTACT TIME	END OF PH	SEQUENCE	CT CALCULATED					CT REQUIRED
														END OF SEQUENCE	IN MINUTES	IN MINUTES	IN MINUTES	IN MINUTES					
47	48		53		54	55	56	57	58	59	60	61	62	68	69	70	71	72	73	77			
1	187	(a) TYPE OF FILTERS-GRAVITY	(X)	2	16.0	8.0	OK	OK	OK	5	3.1	2	2.0	59	6.8	118	14	8.4	1.9	Duff Rd			
2	198	PRESSURE	()	2	16.0	8.0	OK	OK	OK	5	0	0	2.1	59	6.8	123.9	14	8.9	1.5	Little White Oak			
3	186	(b) NUMBER OF FILTERS--	2	2	16.0	8.0	OK	OK	OK	5	0	0	2.2	59	6.9	129.8	14	9.3	1.5	Evans Ln			
4	183	(c) FILTER AREA--Sq Ft.	140	2	16.0	8.0	OK	OK	OK	5	0	0	2.2	59	6.9	129.8	14	9.3	W	(March 07 Bac-T 233 Sted Creek; Cl2 - 1.7)			
5	189	(c) FILTER AREA--Sq Ft.	140	2	16.0	8.0	OK	OK	OK	5	0	0	2.1	59	6.9	123.9	14	8.9	W	(March 07 Bac-T 1410 Hwy 90; Cl2 - 1.8)			
6	199	(e) Total Area--Sq Ft. --	280	2	16.0	8.0	OK	OK	OK	5	3.1	2	2.3	59	6.9	135.7	14	9.7	1.5	Pruden			
7	179	(f) Filter Rate gpm/ft2	2.9	2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	6.9	118	14	8.4	1.8	Smokies Mkt			
8	206	(f) Filter Rate gpm/ft2	2.9	2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	6.9	118	14	8.4	1.7	Tackett			
9	186	(h) Total Rated Filter Capacity	GPM 250	2	16.0	8.0	OK	OK	OK	5	0	0	2.1	59	6.9	123.9	15	8.3	2.0	Tracy Branch			
10	193			2	16.0	8.0	OK	OK	OK	5	0	0	2.1	59	7.0	123.9	14	8.9	1.9	Fox Branch			
11	179	(i) Ion Exchange Unit Regenerate		2	16.0	8.0	OK	OK	OK	5	3.1	2	2.0	59	7.0	118	14	8.4	W				
12	182	With: Salt ()		2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	7.1	118	14	8.4	W				
13	203	KMnO4 ()		2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	7.1	118	14	8.4	1.8	Eagan			
14	185	Acid ()		2	16.0	8.0	OK	OK	OK	5	0	0	2.1	59	7.0	123.9	14	8.9	1.7	Teague Mtn			
15	203			2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	7.1	118	14	8.4	1.7	Model Valley			
16	195			2	16.0	8.0	OK	OK	OK	5	3.1	2	1.9	59	7.2	112.1	14	8.0	1.8	Willis Ln			
17	188			2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	7.1	118	14	8.4	1.8	242 Roses Creek			
18	187			2	16.0	8.0	OK	OK	OK	5	0	0	2.2	59	7.1	129.8	14	9.3	W				
19	196			2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	7.2	118	14	8.4	W				
20	200			2	16.0	8.0	OK	OK	OK	5	0	0	2.2	59	7.2	129.8	14	9.3	1.9	Johnson's Gro			
21	176			2	16.0	8.0	OK	OK	OK	5	3.1	2	2.0	59	7.2	118	14	8.4	1.6	Rose Ln			
22	184			2	16.0	8.0	OK	OK	OK	5	0	0	2.2	59	7.2	129.8	14	9.3	1.9	5604 Hwy 90			
23	194			2	16.0	8.0	OK	OK	OK	5	0	0	2.2	59	7.1	129.8	14	9.3	1.5	Primroy			
24	183			2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	7.2	118	14	8.4	1.4	Archer Ln			
25	200			2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	7.2	118	14	8.4	W				
26	181			2	16.0	8.0	OK	OK	OK	5	3.1	2	1.9	59	7.3	112.1	14	8.0	W				
27	190			2	16.0	8.0	OK	OK	OK	5	0	0	1.8	59	7.4	106.2	14	7.6	1.4	Archer Ln			
28	185			2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	7.3	118	14	8.4	1.8	107 Fox Ln			
29	184			2	16.0	8.0	OK	OK	OK	5	0	0	2.1	59	7.2	123.9	14	8.9	1.7	Frank Dixon			
30	191			2	16.0	8.0	OK	OK	OK	5	0	0	2.2	59	7.3	129.8	14	9.3	1.6	Mary Lou Willis			
31	183			2	16.0	8.0	OK	OK	OK	5	3.1	2	2.1	59	7.2	123.9	14	8.9	1.8	6360 Hwy 90			
TOT.	5,978			62	496.0	248.0						14	64	1829	220	3776	435	269.1	39.2				
AVG.	190			2	16.0	8.0						0	2.1	59	7.1	122	14	8.7	1.7				
MAX.	206			2	16.0	8.0						2	2.3	59	7.4	136	15	9.7	2.0				
MIN.	176			2	16.0	8.0						0	1.8	59	6.8	106	14	7.6	1.4				

APR 10 2023

Andy Menden 04/05/2023
16178



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES, COMPLIANCE AND ENFORCEMENT UNIT

DISINFECTANT MONITORING REPORT

APR 10 2023

PUBLIC WATER SYSTEM NAME AND ADDRESS

PWSID #
FACILITY ID

ClearFork Utility District

SAMPLE PERIOD
START DATE
END DATE
m m d d y y m m d d y y

115 Rogerston Road

Clairfield TN 37715

I. SYSTEMS USING CHLORINE OR CHLORAMINES ⁽¹⁾

A. Distribution System Monitoring

Number of Samples Required ⁽¹⁾	Number of Samples Taken	Lowest Residual Measured (mg/L)	Average Residual Measured (mg/L)	Number of Samples below 0.2 mg/L	% of Samples 0.2 mg/L or higher
<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="2"/>	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="2"/>	<input type="text" value="1"/> <input type="text" value="7"/> <input type="text" value="0"/>	<input type="text" value="1"/> <input type="text" value="7"/> <input type="text" value="5"/>	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>	<input type="text" value="1"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>

B. Entry Point Monitoring

Number of Days Residual Measurements Required ⁽²⁾	Number of Days Residual Measurements Taken	Type of Monitoring Conducted	Lowest Residual Measured (mg/L)	Was the Continuous Chlorine Analyzer out of service more than 5 consecutive days while this facility was in operation?
<input type="text" value="3"/> <input type="text" value="1"/>	<input type="text" value="3"/> <input type="text" value="1"/>	Grab <input checked="" type="checkbox"/> Continuous <input type="checkbox"/>	<input type="text" value="1"/> <input type="text" value="8"/> <input type="text" value="0"/>	<input type="text" value="N"/> ("Y" for yes, or "N" for no)

II. SYSTEMS USING CHLORINE DIOXIDE

A. Entry Point Monitoring

Number of Days Residual Measurements Required	Number of Days Residual Measurements Taken	Highest Residual Measured Entering the D.S. (mg/L)	Number of Days Residual Measurements > MRDL	Number of Consecutive Days Residual Measurements > MRDL
<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> mg/L	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>

B. Distribution System Monitoring

1. Systems Not Utilizing Disinfection Booster Stations

Date E.P. Sample Exceeded MRDL	Date of Follow-Up Sampling ⁽³⁾	Time of First Sample	Time of Second Sample	Time of Third Sample
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
		Result (mg/L)	Result (mg/L)	Result (mg/L)
		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

2. Systems Utilizing Disinfection Booster Stations

Date E.P. Sample Exceeded MRDL	Date Follow-Up Sampling ⁽⁴⁾	Closest Customer	Average Point	Maximum Residence Time
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

- Notes:
- (1) Disinfection residuals must be measured at the same frequency and locations for all total coliform samples that are taken. The number of required samples is the total number of routine and repeat total coliform samples taken during the reporting period.
 - (2) Each day of operation, Subpart H systems and True Ground Water Systems serving more than 3,330 persons must measure chlorine residuals continuously at the entry point to the distribution system. Grab sampling may be conducted at the rate specified in the regulations for systems serving less than 3,300.
 - (3) For systems using chlorine dioxide, and not utilizing booster chlorination facilities in the distribution system, if an entry point sample exceeds the MRDL, a three-sample set of measurements must be taken the day after the exceedance at a point closest to the first customer at six-hour intervals. Analysis must be by Ion Chromatography.
 - (4) For systems using chlorine dioxide, and which utilize booster chlorination facilities in the distribution system, if an entry point sample exceeds the MRDL, a three-sample set of measurements must be taken the day after the exceedance at the following locations: 1) a point closest to the first customer, 2) a point reflecting the average residence time, and, 3) a point reflecting the maximum residence time. Analysis must be by Ion Chromatography.

I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

PREPARED BY Andy Maiden DATE 04/05/2023 APPROVED BY Andy Maiden DATE 04/05/2023

