JUN 1 2 2023

NAME OF WATER UTILITY: **CLEARFORK UTILITY DISTRICT**
NAME OF WATER TREATMENT PLANT: **CLAIRFIELD WATER PLANT**
COUNTY: **CLAIBORNE** **PWSID# 0000826**

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Water Supply
COMPREHENSIVE MONTHLY OPERATION REPORT

May-23

DATE	RAW WATER TREATED 1,000 GALLONS	FINISHED WATER PUMPED TO SYSTEM 1,000 GALLONS	PHYSICAL AND CHEMICAL CHARACTERISTICS																							CHEMICALS USED					
			RAW WATER TEMPERATURE C	TURBIDITY							CHLORINE RESIDUAL MG/L		ALKALINITY MG/L			pH		HARDNESS MG/L		IRON MG/L			MANGANESE MG/L			POUNDS		CALCULATED DOSAGE MG/L			
				RAW	FINISHED WATER TURBIDITY MUST BE MEASURED EVERY 4 HOURS AND RECORDED AM PM							ON TOP OF FILTER	LOWEST PLANT EFFLUENT	TOTAL RAW	PHENOLPHTHALEIN FINISHED	TOTAL FINISHED	RAW	FINISHED	RAW	FINISHED	RAW	FINISHED	DIST. SYSTEM	RAW	FINISHED	DIST. SYSTEM	PolyFlock	DISINFECTION PRE	PolyFlock	DISINFECTION Cl2 Powder HTH		
					12-4	4-8	8-12	12-4	4-8	8-12																						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	23	24	25	26	27	28	32	33	40	41	43	46
1	197	175	16	0.15		0.09	0.09	0.10			2.2	2.1	180	0	180	7.3	7.3		120	3.3	0.01		0.22	0.01		2.5	19	1.50	11.6		
2	183	148	16	0.30		0.07	0.06	0.08			2.3	2.1	180	0	200	7.3	7.2		140	3.1	0.03	0.06	0.23	0.01	0.02	2.3	18	1.50	11.8		
3	185	163	16	0.13		0.08	0.09	0.08			2.2	2.0	200	0	200	7.2	7.3		120	3.3	0.04	0.06	0.24	0.02	0.03	2.3	18	1.50	11.7		
4	186	162	16	0.16		0.09	0.07	0.09			2.0	1.9	180	0	180	7.3	7.3		120	3.4	0.03	0.04	0.23	0.02	0.01	2.3	18	1.50	11.6		
5	162	143	16	0.18		0.11	0.07	0.07			2.0	2.0	180	0	180	7.3	7.2		120	3.2	0.01	0.03	0.24	0.01	0.01	2.0	16	1.50	11.8		
6	204	179	16	0.21		0.08	0.07	0.08			2.1	2.0	200	0	200	7.2	7.3		120	3.3	0.04	W	0.22	0.01	W	2.6	18	1.50	10.6		
7	192	162	16	0.22		0.06	0.06	0.07			2.0	1.8	200	0	180	7.3	7.3		140	3.2	0.01	W	0.22	0.01	W	2.4	18	1.50	11.2		
8	190	170	16	0.20		0.11	0.12	0.09			1.9	1.7	200	0	200	7.2	7.3		140	3.3	0.02	0.03	0.23	0.01	0.01	2.4	17	1.50	10.7		
9	196	170	16	0.22		0.07	0.06	0.08			1.9	1.8	180	0	180	7.3	7.1		120	3.4	0.02	0.06	0.22	0.01	0.01	2.5	17	1.50	10.4		
10	182	161	16	0.16		0.09	0.08	0.08			2.1	1.9	200	0	200	7.3	7.3		140	3.3	0.01	0.04	0.23	0.01	0.01	2.3	18	1.50	11.9		
11	197	173	16	0.25		0.10	0.07	0.11			2.2	2.0	180	0	180	7.3	7.2		140	3.0	0.02	0.04	0.23	0.01	0.01	2.5	20	1.50	12.2		
12	216	180	16	0.20		0.05	0.06	0.05			2.1	1.9	200	0	200	7.2	7.3		120	3.2	0.01	0.02	0.21	0.01	0.01	2.7	19	1.50	10.5		
13	204	182	16	0.24		0.07	0.07	0.06			2.0	1.7	200	0	180	7.3	7.3		120	3.3	0.01	W	0.22	0.02	W	2.6	19	1.50	11.2		
14	197	173	16	0.27		0.07	0.08	0.07			2.0	1.7	200	0	200	7.2	7.2		120	3.4	0.03	W	0.23	0.02	W	2.5	18	1.50	11.0		
15	201	178	16	0.21		0.08	0.06	0.08			2.1	2.0	200	0	200	7.4	7.2		140	3.2	0.03		0.23	0.01		2.5	19	1.50	11.3		
16	197	174	16	0.28		0.06	0.08	0.08			2.2	2.0	200	0	180	7.3	7.3		140	3.3	0.01	0.02	0.22	0.02	0.01	2.5	18	1.50	11.0		
17	220	178	16	0.20		0.08	0.07	0.10			2.1	1.9	200	0	200	7.3	7.4		140	3.0	0.01	0.02	0.23	0.01	0.01	2.8	20	1.50	10.9		
18	210	170	16	0.34		0.12	0.08	0.07			2.2	2.0	200	0	180	7.6	7.6		120	3.5	0.03	0.03	0.24	0.01	0.01	2.6	21	1.50	12.0		
19	208	183	16	0.27		0.06	0.06	0.07			2.3	2.0	180	0	180	7.3	7.3		140	3.3	0.01		0.23	0.01		2.6	19	1.50	11.0		
20	198	175	16	0.19		0.08	0.07	0.06			2.2	2.0	180	0	180	7.5	7.4		140	3.1	0.01	W	0.24	0.02	W	2.5	19	1.50	11.5		
21	223	192	16	0.20		0.07	0.07	0.08			2.1	1.9	180	0	180	7.4	7.3		120	3.2	0.03	W	0.23	0.01	W	2.8	20	1.50	10.8		
22	200	172	16	0.24		0.09	0.08	0.08			2.0	1.8	200	0	180	7.3	7.4		120	3.3	0.05		0.24	0.02		2.5	19	1.50	11.4		
23	232	205	16	0.24		0.07	0.09	0.06			1.9	1.7	200	0	200	7.3	7.3		120	3.4	0.02	0.06	0.24	0.01	0.01	2.9	21	1.50	10.9		
24	212	188	16	0.20		0.08	0.06	0.06			2.1	2.0	200	0	180	7.4	7.3		140	3.2	0.04	0.03	0.23	0.02	0.01	2.7	20	1.50	11.3		
25	211	182	16	0.15		0.08	0.09	0.07			1.9	1.7	180	0	180	7.5	7.4		120	3.4	0.02		0.23	0.02		2.6	20	1.50	11.4		
26	223	186	16	0.21		0.08	0.07	0.09			2.3	2.1	180	0	180	7.4	7.4		120	3.3	0.03	0.05	0.24	0.01	0.01	2.8	20	1.50	10.8		
27	202	179	16	0.25		0.12	0.12	0.07			2.2	2.1	200	0	180	7.3	7.1		120	3.2	0.04	W	0.22	0.09	W	2.5	20	1.50	11.9		
28	202	178	16	0.19		0.09	0.09	0.06			2.1	2.0	200	0	200	7.4	7.3		140	3.4	0.02	W	0.22	0.02	W	2.5	18	1.50	10.7		
29	195	173	16	0.19		0.08	0.06	0.08			2.2	2.0	200	0	200	7.2	7.2		140	3.3	0.01		0.23	0.02		2.4	19	1.50	11.7		
30	212	187	16	0.22		0.11	0.08	0.09			2.2	2.0	180	0	180	7.4	7.4		120	3.4	0.01	0.04	0.24	0.02	0.01	2.7	20	1.50	11.3		
31	225	197	16	0.31		0.10	0.10	0.09			2.3	2.0	180	0	180	7.4	7.3		120	3.3	0.04	0.02	0.24	0.01	0.01	2.8	21	1.50	11.2		
TOTAL	6262.0	5438.0	496	6.82			2.38	2.40			65.4	59.8	5940	0	5820	227	226		3980	98.2	0.700	0.65	7.12	0.01	0.20	78.34	705	46.50	13.5		
AVE.	202.0	170.0	16	0.22			0.08	0.08			2.1	1.9	192	0	188	7.3	7.3		128	3.3	0.023	0.04	0.23	0.02	0.01	2.53	19	1.50	11.3		
MAX.	232.0	205.0	16	0.34			0.12	0.11			2.3	2.1	200	0	200	7.6	7.6		140	3.5	0.050	0.06	0.24	0.09	0.03	2.90	21	1.50	12.2		
MIN.	162.0	143.0	16	0.13			0.06	0.05			1.9	1.7	180	0	180	7.2	7.1		120	3.0	0.010	0.02	0.21	0.01	0.01	2.03	16	1.50	10.4		

I certify that the data provided accurately represents the water quality, quantity ,treatment, operational practices, and other activities for the reporting period specified herein.

CERTIFIED OPERATOR Andy Maiden 6/7/2023
SIGNATURE DATE

16178

JUN 12 2023

DATE	TREATED RAW WATER 1,000 GALLONS	FILTER DATA	FILTER OPERATION DATA									DISINFECTION AND CT VALUES							
		COMPLETE APPLICABLE BLANKS **EACH** MONTH.	FILTERS USED NUMBER OF	COL 54 x HOURS FILTER HOURS= RUN	FILTER RUN HOURS AVERAGE LENGTH	GAUGES WORKING RATE-OF-FLOW	GAUGES WORKING LOSS-OF-HEAD	WORKING TURBIDIMETERS	gpm/ft2 BACKWASH RATE	USED–1,000 gallons BACKWASH WATER	FILTERS WASHED NUMBER OF	SECOND DISINFECTION SEQUENCE END OF FREE CHLORINE SEQUENCE C	IN MINUTES CONTACT TIME T	SEQUENCE END OF pH	SEQUENCE CALCULATED CT	SEQUENCE REQUIRED CT	CT CAL. CT REQ INACTIVATION TOTAL RATIO	MG/L AT POINT SAMPLING & DISTRIBUTION FREE CHLORINE OF SYSTEM	Location of sampling point in distribution system. **Must vary within system.**
47	48	53	54	55	56	57	58	59	60	61	62	68	69	70	71	72	73	77	
1	197	(a) TYPE OF FILTERS-GRAVITY (X)	2	16.0	8.0	OK	OK	OK	5	0	0	2.1	59	7.3	123.9	14	8.9	1.8	6166 Hwy 90 Clairfield
2	183	PRESSURE ( )	2	16.0	8.0	OK	OK	OK	5	0	0	2.1	59	7.2	123.9	14	8.9	1.5	Duff Rd
3	185	(b) NUMBER OF FILTERS— 2	2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	7.3	118	14	8.4	1.5	Little White Oak
4	188	(c) FILTER AREA–Sq Ft 140	2	16.0	8.0	OK	OK	OK	5	3.1	2	1.9	59	7.3	112.1	14	8.0	1.6	Evans Ln
5	162	(c) FILTER AREA–Sq Ft 140	2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	7.2	118	14	8.4	1.5	Pruden
6	204	(e) Total Area–Sq Ft. – 280	2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	7.3	118	14	8.4	W	**(May 02 Bac-T 469 Roses Creek; Cl2 - 1.8)**
7	192	(f) Filter Rate gpm/ft2 2.9	2	16.0	8.0	OK	OK	OK	5	0	0	1.8	59	7.3	106.2	14	7.6	W	**(May 02 Bac-T 4244 Hwy 90; Cl2 - 2.0)**
8	190	(f) Filter Rate gpm/ft2 2.9	2	16.0	8.0	OK	OK	OK	5	0	0	1.7	59	7.3	100.3	14	7.2	1.4	Tackett
9	196	(h) Total Rated Filter Capacity GPM 250	2	16.0	8.0	OK	OK	OK	5	3.1	2	1.8	59	7.1	106.2	15	7.1	1.6	Tracy Branch
10	182		2	16.0	8.0	OK	OK	OK	5	0	0	1.9	59	7.3	112.1	14	8.0	1.5	Old Tracy Branch
11	197	(i) Ion Exchange Unit Regenerate	2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	7.2	118	14	8.4	1.7	Fox Branch
12	216	With: Salt ( )	2	16.0	8.0	OK	OK	OK	5	0	0	1.9	59	7.3	112.1	14	8.0	1.2	Mary Lou
13	204	KMn04 ( )	2	16.0	8.0	OK	OK	OK	5	0	0	1.7	59	7.3	100.3	14	7.2	W	
14	197	Acid ( )	2	16.0	8.0	OK	OK	OK	5	3.1	2	1.7	59	7.2	100.3	14	7.2	W	
15	201		2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	7.2	118	14	8.4	1.7	Smokies Mkt
16	197		2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	7.3	118	14	8.4	1.8	Eagan
17	220		2	16.0	8.0	OK	OK	OK	5	0	0	1.9	59	7.4	112.1	14	8.0	1.7	Teague Mtn
18	210		2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	7.6	118	14	8.4	1.8	Model Valley Ln
19	208		2	16.0	8.0	OK	OK	OK	5	3.1	2	2.0	59	7.3	118	14	8.4	1.9	6166 Hwy 90 Clairfield
20	198		2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	7.4	118	14	8.4	W	
21	223		2	16.0	8.0	OK	OK	OK	5	0	0	1.9	59	7.3	112.1	14	8.0	W	
22	200		2	16.0	8.0	OK	OK	OK	5	0	0	1.8	59	7.4	106.2	14	7.6	1.8	5604 Hwy 90
23	232		2	16.0	8.0	OK	OK	OK	5	0	0	1.7	59	7.3	100.3	14	7.2	1.4	Rose Ln
24	212		2	16.0	8.0	OK	OK	OK	5	3.1	2	2.0	59	7.3	118	14	8.4	1.5	Primroy
25	211		2	16.0	8.0	OK	OK	OK	5	0	0	1.7	59	7.4	100.3	14	7.2	1.7	194 Model Valley
26	223		2	16.0	8.0	OK	OK	OK	5	0	0	2.1	59	7.4	123.9	14	8.9	1.7	Archer Center
27	202		2	16.0	8.0	OK	OK	OK	5	0	0	2.1	59	7.1	123.9	14	8.9	W	
28	202		2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	7.3	118	14	8.4	W	
29	195		2	16.0	8.0	OK	OK	OK	5	3.1	2	2.0	59	7.2	118	14	8.4	1.7	6166 Hwy 90 Clairfield
30	212		2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	7.4	118	14	8.4	1.8	Frank Dixon
31	225		2	16.0	8.0	OK	OK	OK	5	0	0	2.0	59	7.3	118	14	8.4	1.8	Willis Ln
TOT.	6,262		62	496.0	248.0						12	60	1829	226	3528	435	251.5	37.6	
AVG.	202		2	16.0	8.0						0	1.9	59	7.3	114	14	8.1	1.6	
MAX.	232		2	16.0	8.0						2	2.1	59	7.6	124	15	8.9	1.9	
MIN.	162		2	16.0	8.0						0	1.7	59	7.1	100	14	7.1	1.2	

Andy Maiden 6/7/2023

16178

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

DISINFECTANT MONITORING REPORT

JUN 12 2023

PWSID # 0 0 0 0 8 2 6

FACILITY ID T P 0 0 1

PUBLIC WATER SYSTEM NAME AND ADDRESS

ClearFork Utility District
115 Rogerston Road
Clairfield TN 37715

SAMPLE PERIOD

START DATE (m m d d y y): 0 5 0 1 2 3

END DATE (m m d d y y): 0 5 3 1 2 3

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
0 0 2	0 0 2	1 . 6 0	1 . 8 0	0 0 0	1 0 0 . 0

B. Entry Point Monitoring

Number of Days Residual Measurements Required (2)	Number of Days Residual Measurements Taken	Type of Monitoring Conducted: Grab	Type of Monitoring Conducted: Continuous	Lowest Residual Measured (mg/L)	Was the Continuous Chlorine Analyzer out of service more than 5 consecutive days while this facility was in operation?
3 1	3 1	X		1 . 7 0	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 Measured > MRDL	Number of Consecutive Days Residual Measured > MRDL
		.		

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
		Result (mg/L) .	Result (mg/L) .	Result (mg/L) .

2. Systems Utilizing Disinfection Booster Stations

Date E.P. Sample Exceeded MRDL	Date Follow-Up Sampling (4)	Sample Results (mg/L) at: Closest Customer	Average Point	Maximum Residence Time
		.	.	.

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 Mercier DATE 6/7/23 APPROVED BY Andy Mercier DATE 6/7/23

(continued on reverse)

JUN 1 2 2023

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

DIVISION OF WATER RESOURCES, WATER SUPPLY SECTION
L&C TOWER, 6TH FLOOR
401 CHURCH STREET
NASHVILLE, TN 37243-1549

WATER PUMPAGE DATA REPORT

SOURCE TYPE KEY
S=Surface Water
G=Ground Water
P=Purchased Water

PWSID# 0 0 0 0 8 2 6

MONTH: MAY **YEAR:** 2023

WATER SYSTEM NAME: Clearfork Utility District

ADDRESS/CITY/STATE/ZIP: 115 Rogerston Road, Clairfield TN 37715

SOURCE NUMBER	SOURCE NAME	SOURCE TYPES	MONTHLY AVERAGE	MAXIMUM DAY
1.	Well # 2	S G P	0 0 0 . 2 0 2 0	0 0 0 . 2 3 2 0
2.		S G P		
3.		S G P		
4.		S G P		
5.		S G P		
6.		S G P		
7.		S G P		
8.		S G P		
9.		S G P		
10.		S G P		

Report water data as follows:

100 gallons or less = 0.0001 MGD
1,000 gallons = 0.0001 MGD
10,000 = 0.0100 MGD
150,000 gallons = 0.1500 MGD
1,175,000 gallons = 1.1750 MGD
If there is no pumpage = 0.0000 MGD

Each source must report monthly. If there is no pumpage or purchase, still list all sources. Keep all sources in the same numerical order.

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.

Responsible Official: Andy Maiden Phone: (423) 784-7735