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

DISINFECTANT MONITORING REPORT

PWSID # 0 0 0 4 4 1 5

FACILITY ID

SAMPLE PERIOD

START DATE (m m d d y y): 0 3 0 1 2 4

END DATE (m m d d y y): 0 3 3 1 2 4

PUBLIC WATER SYSTEM NAME AND ADDRESS

Bush Brothers #3
3304 Chestnut Hill Rd.
Dandridge, TN 37725

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 1	0 0 1	1 . 0 0	1 . 0 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? ("Y" for yes, or "N" for no)
1 8	1 8	✓		1 . 5 0	N

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
		. mg/L		

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 / Result (mg/L)	Time of Second Sample / Result (mg/L)	Time of Third Sample / 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 Earl Mathews, Jr. DATE 4/5/24 APPROVED BY Tom Duck DATE 4/5/24

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

INTERIM ENHANCED SURFACE WATER TREATMENT RULE
FILTER PERFORMANCE REPORT [1]

PUBLIC WATER SYSTEM NAME AND ADDRESS

Bush Brothers #3
3304 Chestnut Hill Rd.
Dandridge, TN. 37725

PWSID #	ENTRY POINT	SAMPLE PERIOD START DATE	SAMPLE PERIOD END DATE	TOTAL HOURS PLANT OPERATED THIS MONTH	LABORATORY ID
0004415		030124	033124	432	00053

REPORTABLE SAMPLES [2] REQUIRED	REPORTABLE SAMPLES [2] TAKEN	NUMBER OF REPORTABLE SAMPLES LESS THAN OR EQUAL TO THE LOWER NTU STANDARD [3]	PERCENT OF REPORTABLE SAMPLES LESS THAN OR EQUAL TO THE LOWER NTU STANDARD	NUMBER OF REPORTABLE SAMPLES EXCEEDING THE UPPER NTU STANDARD [4] (LIST DATES ON BACK)	HIGHEST FINISHED WATER TURBIDITY THIS MONTH
108	108	108	100.01	000	00.182

Notes:
(1) This form applies to filtration systems utilizing either a surface water supply or a source that has been designated groundwater under the direct influence of surface water.
(2) Systems utilizing cartridge filtration must at a minimum, measure turbidity once per day while treating water. Systems required to measure and record finished water turbidity every 4 hours that the plant is in operation, shall report the highest value measured during each 4-hour period. Systems utilizing continuous monitoring turbidimeters shall report the highest recorded value for every 4 hour period.
(3) NTU standards vary depending on the type of filtration treatment provided, and include a lower limit that must be met in 95% of the reportable samples, and an upper limit that cannot be exceeded without receiving a treatment technique violation. Use the lower NTU standard applicable to this facility for this calculation.
(4) Indicate the number of reportable samples that exceeded the upper NTU standard. On the back of this form, indicate the dates when a sample exceeded the upper NTU standard, and the date the state was notified of the exceedance.

Did this facility meet the CT requirements for each day it was in operation? **Y or N:** Y

A. FOR ALL FILTERS AT THIS FACILITY

	Y or N
1. Was turbidity monitored continuously and the results recorded for each filter effluent line?	Y
2. If the answer to question number 1 is no, was grab sampling conducted for every 4 hours the continuous monitor was out of service?	
3. If the answer to question number 2 is yes, was grab sampling conducted for more than 5 consecutive days on any individual filter?	

B. FOR ANY FILTER AT THIS FACILITY [5]

Were any 2 consecutive filter effluent measurements taken 15 minutes apart:

	Y or N	Filter Numbers (maximum of four filters)
1. Greater than 0.5 NTU after the first 4 hours of operation?	N	
2. Greater than 1.0 NTU?	N	
3. Greater than 1.0 NTU in each of 3 consecutive months?	N	
4. Greater than 2.0 NTU in two consecutive months?	N	

Note:
(5) If this facility answered "Yes" to any question listed in Section B. above, then the system must submit a "Monthly Turbidity Exceedance Report" (CN-1196) for the individual filter that met at least one of the conditions listed.

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: Earl Matheny Jr. DATE: 4/5/24 PHONE: (865) 509-2361 APPROVED BY: Tony Dutch DATE: 4/5/24 PHONE: (865) 776-4804

(continued on reverse)

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

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

WATER PUMPAGE DATA REPORT

PWSID: TN0004415 **Month:** March **Year:** 2024

Water System Name: Bush Brothers #3
Address: 3304 Chestnut Hill Rd
City/State/Zip: Dandridge, TN 37725

	Source Name	Source Types*	Emerg.	Monthly Average	Maximum Day
1.	Springs	S (G) P	E	000.3743	001.0795
2.	Whaley Wells	S (G) P	E	000.7200	000.7200
3.	AJ Well	S (G) P	E	000.1440	000.1440
4.	Dickey Rd Wells	S (G) P	E		
5.	#4 Warehouse Well	S (G) P	E		
6.	Old office Well	S (G) P	E		
7.	Lake Wells	S (G) P	E		
8.	Cornhusker Well	S (G) P	E		
9.	Sevierville, Water	S G (P)	E	000.0278	000.2160
10.		S G P	E		

*SOURCE TYPE KEY: S=Surface Water, G=Ground Water, P=Purchased Water, E=Emergency Source

Print Name: Earl Matheny, Jr.
Signature: Earl Matheny, Jr.
Phone: (865) 509-2361
E-mail: ematheny@bushbros.com

Report water data in MGD as examples below:
1,900 gallons = 0.0019 MGD
15,255 gallons = 0.0153 MGD
154,427 gallons = 0.1544 MGD
Each source must report monthly. If there is no pumpage or purchase, still list all sources. No pumpage =0.0000 MGD. Keep sources in the same numerical order.
* Circle source type (S, G, P) and Circle (E) if it is an emergency connection.

DANDRIDGE WATER MANAGEMENT FACILITY BACTERIOLOGICAL ANALYSIS

PWSID: 0004415

Water System Name: Bush Brothers and Co.

Mailing Address: 3304 Chestnut Hill Rd.
Dandridge, TN 37725

Phone: (865) 599-3883 Fax:

Email: ematheny@bushbros.com

(Circle One) **EMAIL**

Sample Collector: Earl Matheny, Jr.

FOR LABORATORY USE ONLY

Laboratory ID#: 03104

Date Received: 3/19/24 By Whom: CH

Time Received: 10:15

Date Setup: 3/19/24 Analyst: CH

Time Setup: 10:25

Date Read: 3-20-24 Analyst: CH

Time Read: 10:25

	Sample(s) Over 30 Hrs. Old
	Leaked in Transit
	Insufficient Volume
	Volume Range Exceeded

Sample Reason: M Reportable to State? YES!

Sample Date: 3/19/24

	Sample Address	Time Collected	Cl_2 Residual	Sample Type	Sample Notations	Method Code - 9223 Contaminant Code 3100 (Total) Neg	3100 (Total) Pos	3014 (E Coli) Neg	3014 (E Coli) Pos
1	Water Plant Lab	8:47	1.0	D		\		\	
2									
3									
4									
5									
6									
7									
8									
9									
10									

Sample Reason: L = Leak M = Monthly R = Repair

Sample Type: S = Special D = Distribution N = New Line(s) RA = Repeat Above RS = Repeat Same RB = Repeat Below

Earl Matheny, Jr.
Sample Collector

Lab Recipient