ME OF WATER LITELITY Bush Brothers & CO. INC.

ME OF WATER TREATMENT PLANT Bush Brothers #3

DUNTY Jefferson PWSID # 0004415



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

FEB 0 7 2024

MONTH OF JANUARY

20 24

| YTRUC | JetI | e130 | PHYSICAL AND CHEMICAL CHARACTERISTICS PHYSICAL AND CHEMICAL CHARACTERISTICS | | | | | | | | | | | | | CHEMICALS USED | | | | | | | | | | | | | | | | | | | |
|-------------------|--------------------------------------|---|--|-----------------------------------|-----------|-----------------------------|----------|----------------|------|-------------|----------|----------|-----------------|-------------|-----|-----------------|--------------|-----|----------------|--------------|--|--------------|--------------|------------|----------|-------------------|----------------|------------------|-------------|--------------|---------------|---------------|----------------|---------------|----------------------------|
| | | | M. | | | | ID CHE | MICAL CH | | | - 411 mm | 50 | 190 | N | 1 8 | MANGANE MG/L | SE | F | LUORID MG/L | E | POUNDS PER 24 HOURS CALCULATED DOSAGE MG/L | | | | | | | | T | | | | | | |
| | | | TURBIDITY | CHLORINE RESIDUAL MG L | AL | KALINITY MG/L | | pH | HARD | NESS 3/L | FREE | A A | IRO MG/ | 1 | +- | MG/L | T | 1 | MG/L | | | | | | | | UNIZ | z | | l (i | | | | SNING | Z |
| ш | RAW WATER TREATED 1,000 GALLON | FINISHED WATER PUMPED TO SYSTEM 1,000 GALLONS | WAYER TURBIDITY MUST BE MEASURED EVERY 4 HOURS AND RECORDED AM PM PM | ON TOP OF FILTER LOW EST FERLIANT | TOTAL | PHËNOLPHTHALEIN FINISHED | FINISHED | FINISHED | HAW | FINISHED | нам | FINISHED | RAW FINISHED | DIST SYSTEM | RAW | FINISHED | DIST. SYSTEM | HAW | FINISHED | DISTRIBUTION | COAGULANT — COAGULANT AID | DISINFECTION | DISINFECTION | ADJUSTMENT | | TASTE AND ODOR | MINERAL SUFTER | STABIL AND CO | COAGULANT — | DISINFECTION | PH ADJUSTMENT | FLUORIDE | TASTE AND ODOR | MINEHAL SOFTE | STABILIZATION AND CORROSIO |
| DATE | AH O | E G 2, | 記 12-4 4-8 8-12 12-4 4-8 6-12 | | | | 16 13 | 18 | 19 | 20 | 21 | 22 | 23 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 36 | 35 | 1 | | - | _ | | | |
| | 2 | 3 | 4 5 6 7 8 9 10 11 | 12 13 | | | | | - | | | | | 3.1 | | | | | | | | | | | | | - | - | | | \rightarrow | 100 | | | |
| di | _ | | | 1-1- | | | - 1 | 6 7.5 | | | | | | | | | | | | | | | 31.8 | | | - | | | | | | | | | |
| 2 | 1001.7 | 11 | 0 | 0.1 2. | 1 128 | | 168 7. | 6 7.6 | | | | | | | | | | | | | | | 36.1 | | - | | | | | | | | | | |
| 3 | 1303.7 | 11 | 8 1.01 | 0.1 2.1 | 187 | | | 7 7.6 | | | | | | | | | | - | | | | | 38.1 49.9 | | | | | | | | | | | | - |
| 4 | 1383.1 | 11 | 0 - 1 | 0.0 2.1 | 187 | | | 9 7.8 | | | | | | | | - | | | | | - | | | | | _ | - | | | | | | | | |
| 5 | 1815.7 | 11 | 8 1.00 | -A | | | | 1 | | | | | | 4= | +- | - | | - | | | - | _ | _ | | | | | | | | | | | | |
| ₩ 6 | | | | - | - | 4 Di | - - | | | | | | | - | - | + | | | | | | - | 373 | | | | | | | | (| | | | |
| ¥-7 | | | | 0.4 2.0 | 180 | | 75 7. | 6 7.6 | | | | | | - | + | | | - | | | | | 37.0 | | | | | | | | | | | | |
| В | 1342.1 | 11 | 0 170 10 10 10 10 10 | 0.3 1. | 188 | | 78 7. | 6 7.6 | | | - | | _ | - | +- | | | | | | | | 37.1 | | - | | | | | | | | | | |
| 9 | 1539.7 | 1 | 8 257 13 .17 .17 .14 .14 .16 | 0.1 1.0 | 1 186 | | 16 7 | 6 7.5 | | - | | | | + | +- | - | | | | | | 9.3 | | | | | | | | | _ | - | | | $\perp \perp \mid$ |
| 10 | 1425.6 | 11 | 7 424 19 18 18 15 13 1 | 1 0.0 2. | 1 178 | | 174 7. | 6 7.6 | - | | - | | _ | | | | | | | | | 0.8 | 44.1 | | | | | | | | | | - | | |
| 11 | 1384.7 | 11 | 7 3.37 .12 .12 .11 .11 .12 .1. | 3 0.0 2. | 2 172 | - | | 6 7.5 | | - | - | | _ | | | | | | | | | | _ | | | | | - | | | | - | | - | |
| 12 ★ 13 | 1723.9 | - | | | | | | | | | | | | | | | | | | | | _ | | | | | | - | | | | - | - | - | |
| 林:4 | | | | + | - | - | | | - | | | | | | | | | | | | | _ | | | | - | - | | | - | | | | | |
| ¥ 15 | _ | | | | | | | 6 7.6 | | | | | | | | | | - | | | | 0.0 | | - | | | | | | | - 1 | | | | |
| 16 | 728.3 | 11 | 6 2.01 0.11 0.11 0.11 0.11 0.11 0.11 | 0.1 2. | 761 | | | | | | | | | | | - | - | | | | - | 5.5 | _ | | - | | | | | | | | | | |
| W 17 | e | | | | 3 163 | | 157 7. | 5 7.5 | | | - | | | | - | | - | - | | | | | 38.4 | | | | | | | | | | | | |
| 18 | 658.9 | 11 | 4 3.10 0.10 0.10 0.11 0.11 0.10 0.1 | | 6 158 | | 156 7 | 5 7.5 | | | | | _ | - | - | - | - | | | | | 1. 0 | 2001 | | | | | 1 | | | | | | | N. |
| 19 | 1309.6 | 11 | 7 2.83 0.10 0.11 0.11 0.11 0.11 0.1 | | | | | - - | | | | | _ | - | - | + | 1 | - | | | - | _ | _ | | | | | | | | | | | | |
| * 20 | | | | | - | | | <u> </u> | | | | | | + | - | + | | + | | | | 7.6 | 35.9 | | | | | | 30 | | | | | | |
| ¥ 21 | | | 4 3.09 0.10 0.10 0.11 0.10 0.10 0.1 | 10.2 2. | 1 168 | | 59 7 | 5 7.5 | | | | - | | + | +- | - | | | | | | 7.2 | 35.4 | | | | | | | | | | | | |
| | 1271.6 | | 11 2 11 - 12 A 13 A 13 D.13 D.14 D.1 | 10.3 6. | 1 | | 163 7. | 5 7.5 | 1 | -5 | | | | +- | + | | | | | | | 8.2 | | | | | | | | | | - | - 1 | \rightarrow | |
| | 1312.2 | | 1 1 2 2 4 4 12 4 14 4 15 4 13 0 13 0 1 | 3 U.L. | - - - | | 70 7. | 5 7.5 | | | | | _ | + | | -712 | | | | | | 7.6 | | | | | | | | | | - | -+ | \rightarrow | - |
| | 1414.7 | 11 | - a 2r 0 13 0 13 0 13 0 17 0.16 V. | 20.7 6. | | | 71 7 | 5 7.5 | - | | | | | | | | | | | | | 4.0 | 59.8 | | | | | | | | | -+ | | - | |
| | 1365.5 | 11 | 9 3.48 0.11 0.12 0.13 0.12 0.12 0.1 | 3 0.0 2. | 0 187 | - | | 5 7.5 | | | | | | | | | | | | | | _ | _ | | | | | - | | | - | - | | - | - |
| 26 ★ 27 | | _ | T - - - - | | | - | | | - | - | -+ | | | | | | | | | | | | | | | | | - | | - | - | - | | | |
| ¥ ₂₈ | | | | | | | | | - | - | - | | | | | | | | | | | 9.3 | | | | | <u></u> | | | | - | - | - | \rightarrow | - |
| | | | 9 5.53 0.15 0.14 0.14 0.13 0.12 0.1 | 2 0.3 2.3 | 3 179 | - | 74 7. | 5 7.4 | + | - | - | | _ | | | | | | | | | 6.3 | | | | | - | - | | | | | - | -+ | |
| 29 | - | | 1 - 10 11 12 0 17 1 17 0 14 0 19 0 1 | 1011.7 6. | 1 600 | - | 80 1. | 6 7.5 6 7.5 | - | | | | | | | | | | | | | 6.4 | | | | | | | | -+ | | \rightarrow | | | |
| | 1378.5 | | 1 - 1 - 20 - 20 0 15 0 15 0 13 0 1 | 12.6 | 6 11 1 | | 74 / | 1 1 151 0 | - | - | _ | | | | | | | | | | | 130.2 | | | | | | - | | | - | \dashv | | \neg | |
| 31 | 1478.0 | | 1 12 P 2 Ua 7 E 7 4 4 7 3 8 7 4 4 7 | 11 2 7 1 17 | | | 117 13 | 1.6 150.8 | 1 | | _ | | | | | | | | | | | | 37.5 | | | | | - | | - | | | _ | _ | |
| | 1368.1 | | | 6 0 6 6 | 1000000 | | 107 7 | 9 7.8 | | | | | | | | | | | | | | 10.4 | | | _ | | | | | - | | _ | | _ | |
| | 2161.8 | | - P/1 4 7 A 2 A 2 A 18 A 15 (2 14 D 4 | [D D. 7 4. | | | | | | | | | | | | | | | | | | 0.0 | | | | | | | | | | | _ | | |
| MA | 158.9 | | 4 1.40 0.10 0.10 0.10 0.09 0.09 0.1 | 00.0 1. | 4 138 | | 70 1 | 5 7.4 | | | | | | | | | | | | - | | 1 (| certify th | at the da | a provid | ed accur | ately rep | oresents t | he water | quality, q | uantity tre | eatment o | peration | hal pract | ices and |

CHEMICAL USED BRAND ANALYSIS COST
PER LB. PER MONTH

* Non Production Day

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

Donel Fullington

Daniel Fullington W1-2

| | | J | AR TE | ST DA | ATA | FILTER DATA | MICROBIOLOGICAL EXAMIN, | | | | | KAMINATION AND SYSTEM PRESSU | | | | | | | | | | | | | | | | | | |
|------|---------------------------------------|-----------|-----------------------|-------|-----|--|---------------------------|-------------------------------------|--------------------------------------|--------------|--------------|------------------------------|--------------------------|---------------------------|----------------------|------|--|----------------|-------------------------------------|--------|--------|--------|----------|----------------------------------|-----|-------------------|-------|--|---------|---|
| DATE | RAW WATER TREATED 1,000 GALLONS | COABULANT | PH ADJUSTMENT MG/L | Hđ | | COMPLETE APPLICABLE BLANKS EACH MONTH | NUMBER OF FILTERS USED | FILTER HOURS & COL. 34 × HOURS RIIN | AVERAGE LENGTH FILTER RUN — HOURS | RATE-OF-FLOW | LOSS-OF-HEAD | TURBIDIMETERS | WORKING BACKWASH RATE | gmp/fi2 BACKWASH WATED | USED — 1,000 gallons | | FREE CHLORINE SEOUENCE CONTACT TIME SO LEND OF END OF END OF END OF FINAL TEST SO LEND O | CALCULATED 301 | REQUIRED FREE CHLORINE FND OF | IME | SEQUE | NCE | REGUIRED | TOTAL INACTIVATION CT CALC RATIO | RAW | PLANT EFFLUENT | JTION | FREE CHLORINE MG/L AT POINT OF SAMPLING & DISTRIBUTION SYSTEM | RESSURE | Location of sampling point in distribution system. Must vary within system. |
| 47 | 48 | 49 | 50 | 51 | 52 | 53 | - 54 | . 55 | 56 | 57 | 5.8 | 59 | 61 | 6 | 1 | 62 | C T pH 63 64 65 | | 67 68 | - | 70 | 71 | CT 72 | 73 | 74 | 75 | 76 | 77 | 78 | |
| -1 | | | | | | (a) Type of Filters — Gravity () | + | - | 1 | | | 2 | | | | | | | | | - | - | - | | - | | 70 | | 78 | |
| 2 | | | | | | Pressure () | | | | | | | | | | | 0.7 20.7 7.6 | 4.1 4 | 1.0 2. | 1 982 | 7.5 | 2063 | 67.4 | 36.03 | - | | | | -+ | |
| 3 | | | | | | (b) Number of Filters — | | | | | | | | | | | 0.1 19.9 7.6 | 2.0 4 | 1.0 2.3 | 982 | 7.6 | 2260 | 410 | 37.14 | | - | - | | | |
| 6 | | | | | | (c) Filter Area — Sq. Ft. (Each) | | | | | | | | | | - 11 | 0.2 21.3 7.7 | 4.3 50 | .7 2.1 | 889 | 7.6 | 1846 | 59.7 | 1.37 | - | | - | | | |
| | | | | | | (d) Filter Area — Sq. Ft. (Each) | | | | | | | | | | 6 | 0.0 16.0 7.9 | 0.00 | .0 2.1 | 889 | 7.8 | 1867 | 64.5 2 | 8.45 | | | - | | | |
| 1 | | | | | - | (e) Total Area — Sq. Ft — | | | | | | | | | | | | - | - - | _ | - | - | - | _ | | | | | | |
| | | | | - | | | | - | | | | - | - | - | | | | | - - | 0.0 | 114 | -1 | - | - | | | | | | |
| 1 | | | | | | (f) Filter Rate gpm/ft2 (h) Total Rated Filter Capacity | | | | | - | - | +- | - | - | 1 | 0.4 21.1 7.6 | B.4 51 | 8 2.0 | 918 | 7.6 | 836 | 62.4 2 | 9.59 | | | | | | 1 |
| + | | | | | | (b) Time Plate gpm/r/2 | - | _ | | | | ļ | - | 1 | + | 0 | 7.3 19.8 7.6 | . 9 49 | 0 1.9 | 918 | 7.6 | 744 | 58.4 2 | 9.98 | | | 1 | j | | |
| | | | | | | | | | | | | | - | - | - | L | 0.2 20.0 7.6 | 1.0 90 | 9 1.9 | 733 | 1.5 | 1773 | 56.2 3 | 1.63 | | | | | | |
| | | | | | | GPM — | | | | | | | + | +- | +- | 0 | 0.0 20.6 7.6 | 0.00 | 1 7.7 | 031 | 7.61 | 200 6 | 3.1 3 | 1.09 | _ | _ | | | | |
| | - | | | | | In Ion Exchange Unit Regenerate | | | | | | | 1 | 1 | + | 10 | - 1510 1-0 6 | | 0 2 6 | | 1-21 | 034 6 | 1.3 30 | 2.00 | _ | - | - | - # | _ | |
| | | | | | | Witn Salt () | | | | | | | | | | 1. | - - - - | _ - | - - | - | = | | | - - | - | | - | | | |
| | _ | | | | | KMn04 { } | | | | | | | | | | - | - - - - | - - | | | - | = | | _ | | + | - | -+ | | |
| | | | | - 1 | | Acid () | | | | | | | | | | 0 | 1 27.1 7.6 2 | .7 54. | 5 2.5 | 1098 | 7.62 | 745 6 | 2.2 3 | 2.71 | + | + | | + | - | |
| _ | | | - | | | | | _ | | | | - 5 | | | | 1 - | - - - | | | | _ | - | | _ | | + | | + | | |
| | | | - | | | | | - | | | | | | | 1_ | 6. | 0 11.3 7.5 0 | 0 0.0 | 2.3 | 667 | 7.5 1 | 553 72 | 2.9 21 | .oz | | | | | | |
| | # | | \rightarrow | -+ | | | - | - | - | | | | | | - | 0. | 0 32.5 7.5 0 | 0 0.0 | 2.6 | 596 | 7.5 15 | 149 63 | .8 24 | .29 | | | | | | |
| - | | - | - | -+ | | | | \dashv | | | | | | | - | #= | | = | = | = | - | - - | _ _ | - 1 | | 1 | | | | |
| | | | | - | | | | \dashv | | | -+ | | | | - | - | | | | 175 | | | | 1 | | | | | | |
| | | | | | | | - | -# | - | | | | | | | 0. | 2 21.6 7.5 4 | 3 58. | 1 6.1 | 1000 - | 1.5 14 | 16 71 | .5 19 | .90 | - | - | | 1 | | |
| | | | | | | | | 7 | | - † | | | | | | 10. | 3 21.0 7.5 b. 2 19.2 7.5 3. | 2 51 - | 7 7 | 989 7 | 5 TL | 00 72 | 2 30. | 57 | | 1 | | | | |
| | | | | | | | | 7 | | | | | | | | A : | 3 21.0 7,5 6. | 3 49 9 | 2.1 | 459 7 | 5 luc | 14 11 | 2 12 | 34 | | ME | G 1.1 | 4 | - C | hestnut Hill Church |
| | | | | | | | | | | T N | | | | | | 0.0 | 0 19.1 7.5 0. | 0.0 | 2.0 | 875 7 | 5 174 | 6 E2 | E 27 | 71 | | + | +- | | - | |
| | | | | | | | | | | | | | | | | - | . _ - | - - | _ | | | ,,,, | 7 161 | - | | - | +- | - | - | |
| | _ | | | | | | | | | | | | | | | - | | - | - | _ - | - - | - - | - - | | | | + | - | - | |
| | | | | | | | | | | | | | | | | 0.3 | 3 19.4 7.5 5. | 3 44.5 | 2.3 8 | 189 7. | 4 204 | 14 53. | 38.6 | 14 | + | | | + | - | |
| - | | | | | | | | | | | | | | | | 0.5 | 5 20.9 7.6 10. | 5 46.7 | 23 4 | 163 7. | 5 106 | 5 55. | 2 19.5 | 51 | | | 1 | 1 | 1 | |
| | | | - | | - | | | | | | | | | | | 0.1 | 20.1 7.6 4. | 46.1 | 2.2 1 | 117 7. | 5 267 | 8 54. | 6 49. | 11 | | | | | | |
| _ | | - | _ | - | | | | | | | | | | | | | | | | | | | | | | | | | | |
| _ | | | - | - | | 27- | | | | - | _ | _ | | | | | | | | | | | | | | | | 1 | | 6 |
| | | | | | | | | _ | | | | | | | | | | | | N 40 | | | | | | | | | | |

| (a) Cost of Personn |
|---------------------------------------|
|---------------------------------------|

CN-0706 (Ber 2:02)

| (e) Total Production | 16 | - (| (e) Tota | alР | rod | luct | ion | Cos |
|----------------------|----|-----|----------|-----|-----|------|-----|-----|
|----------------------|----|-----|----------|-----|-----|------|-----|-----|

(f) Cost Per MG Water Treated

| Energy | |
|----------------|--|
| e & Misc. Cost | |
| nduction Cost | |

| Remarks | | |
|---------|---|--|
| | | |
| | | Name of the second seco |
| | | |
| | | |
| | ï | |
| | | |
| | | |

⁽b) Cost of Chemicals

⁽c) Cost of E

⁽d) Insurance



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

FEB 0 7 2024

INTERIM ENHANCED SURFACE WATER TREATMENT RULE FILTER PERFORMANCE REPORT (1)

| | | Q. PUBLIC WATER SYSTEM | NAME AND ADDRESS | | | | |
|--|---------------------|--|-----------------------------------|------------------|------------------------------|--------------------------|------------------|
| | | Dush Brothers | 74) | -22 | | | |
| | | _ 3304 Chestnut | Hill Rd. | _ | | | |
| | | Dandridge, TN | 37725 | _ | | | |
| | | SAMPLE PERIOD | | TOTAL HO | OURS PLANT | LABORA | TORY |
| PWSID# ENTRY POINT | T-1 | START DATE | END DATE | OPERATED | THIS MONTH | ID | |
| 0004415 | 0 | 1012401 | 3 1 2 4 | 4 | 80 | 000 | 53 |
| NUMBER OF R | | PERCENT OF REPORTABLE | NUMBER OF REPO | | | | |
| SAMPLES LI | | SAMPLES LESS THAN | SAMPLES EXCEED | | | FINISHED | |
| REPORTABLE SAMPLES (2) OR EQUAL | | OR EQUAL TO THE | UPPER NTU STAND | | | URBIDITY | |
| REQUIRED TAKEN LOWER NTU S | IANDARD | LOWER NTU STANDARD | (LIST DATES ON I | BACK) | THIS | MONTH | 1 |
| 120 120 | 0 | 100.01 | 000 | 1 | 00. | 202 |] |
| Notes: | | | | | | | |
| This form applies to filtration systems utilizing either a surface Systems utilizing cartridge filtration must at a minimum, meas | | | | | | e plant is in operation | shall report the |
| highest value measured during each 4-hour period. System | ns utilizing contin | uous monitoring turbidimeters shall report the | highest recorded value for every | 4 hour period. | | | • |
| (3) NTU standards vary depending on the type of filtration treatments technique violation. Use the lower NTU standard applicable | | | 6 of the reportable samples, and | an upper limit | that cannot be exceeded | I without receiving a to | reatment |
| (4) Indicate the number of reportable samples that exceeded the | | | ates when a sample exceeded the | e upper NTU s | standard, and the date th | e state was notified o | fthe |
| exceedance. | | | | | | | |
| | V or N | | | | | | |
| Did this facility meet the CT requirements for | Y or N | B. FOR ANY FILTER AT THIS FA | CILITY (5) | | | | |
| each day it was in operation? | Y | Were any 2 consecutive filter efflue | nt measurements | | | | |
| | | taken 15 minutes apart: | THIOGOGIOMONIO | Y or N | Filter Numbers | (maximum of four | filters) |
| | Y or N | 4 | | - | | | |
| 1. Was turbidity monitored continuously and the | V | 1. Greater than 0.5 NTU after the fi | rst 4 hours of operation? | N | | | |
| results recorded for each filter effluent line? | | | | | | | |
| 2. If the answer to question number 1 is no, was | | 2. Greater than 1.0 NTU? | | N | | | |
| grab sampling conducted for every 4 hours | | | | 14 | | | |
| the continuous monitor was out of service? | | 3. Greater than 1.0 NTU in each of | 3 consecutive months? | N | | | |
| 3. If the answer to question number 2 is yes, | · | | | | | | |
| was grab sampling conducted for more than | | 4. Greater than 2.0 NTU in two con | secutive months? | N | | | |
| 5 consecutive days on any individual filter? | | 4. Greater than 2.0 N TO III (WO COII | seculive monuis: | 14 | | | |
| | | | | | | | |
| Note: (5) If this facility answered "Yes" to any question listed in Section | B. above, then t | the system must submit a "Montbly Turbidity F | xceedance Report" (CN-1196) fo | or the individua | I filter that met at least o | ne of the conditions lis | sted |
| | | | • | | | | |
| I certify under penalty of law that this document and all attachme am aware that there are significant penalties for submitting false | | | | | | | |
| penalty of perjury. | o monnauon, me | adding the possibility of this and implisormen | L 76 Specified III Tellificssee O | A AIIIOIAIGU | Geedon 55-10-7 02(a)(4 | , one ucuaration is if | iade unuer |
| DEPARED BY East Mathemal Ch DATE | c. 7-7-74 p | HONE: (865, 509-236! APPR | OVED BY TEMM T | orcha | DATE: 2-2-24 PH | IONE 865 7 | 16-4804 |
| PREPARED BY: Carl Halhemy 91. DATE | | HUNE. 1091 JULY JU: APPR | OAED RATE 1 | | DATE: 4 4 61 PF | IONE: (34-) 1 | |



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

DISINFECTANT MONITORING REPORT

FEB 0 7 2024

| 7790 | | , , , , , , , , , , , , , , , , , , , | 01/07=444445445 | |
|--|---|--|--|---|
| PWSID# | FACILITY ID | PUBLIC WATER | SYSTEM NAME AND ADDRE | ESS |
| 0004415 | | Bush | Brothers # 3 | <u> </u> |
| SAMPLE PERIOD START DATE | END DATE | 3304 Ches | trust Hill B. | d |
| | 3 1 2 4 d d y y | Dandridge | TN. 377; | 15 |
| I. SYSTEMS USING CHLORINE | OR CHLORAMINES | (1) | | (New York Control of the Control of |
| A. Distribution System Mon | itoring | | | |
| Number of Number of | | Average | Number of | % of Samples |
| Samples Samples | Lowest Residual | Residual | Samples below | 0.2 mg/L or |
| Required (1) Taken | Measured (mg/L) | Measured (mg/L) | 0.2 mg/L | higher |
| 001 | 1.40 | [] .[9]0] | 000 | 100 0 |
| B. Entry Point Monitoring | | | | |
| | | owest Residual W | as the Continuous Chlorin | e Analyzer out of |
| Residual Measurements Required (2) Taken Gra | Conducted b Continuous | Measured (mg/L) | service more than 5 cons while this facility was in | secutive days |
| 20 20 7 | | [] [9] | | • |
| | | 1 . 10 | [N] ("Y" for yes, or "N | l" for no) |
| II. SYSTEMS USING CHLORINE | DIOXIDE | | | |
| A. Entry Point Monitoring | | | | |
| Number of Days Residual Measurements | Highest Resid Measured | | • | Consecutive |
| Required Taker | | | =, | ual Measured RDL |
| | | mg/L | | |
| B. Distribution System Mon | itorina | | . J. | |
| 1. Systems Not Utilizing | | r Stations | | |
| | Date of Follow-Up | | T' (0) | =. |
| Exceeded MRDL | Sampling (3) | Time of First Sample | Time of Second Sample | Time of Third Sample |
| | | | | Jampie |
| hander to be the second | | De-14 fee-10 | D. H. CONSTRUCTION | |
| | | Result (mg/L) | Result (mg/L) | Result (mg/L) |
| 2. Systems Utilizing Disi | nfection Booston Sto | dia 22 | | u |
| z. Oyotomo otmemig bior | meetion booster 3ta | | Sample Results (mg/L) at: | |
| Date E.P. Sample | Date Follow-Up | Closest | | Maximum |
| Exceeded MRDL | Sampling (4) | Customer | Average Point | Residence Time |
| | | L | u | |
| Notes. | | | *************************************** | |
| (1) Disinfection residuals must be measured at the stotal coliform samples taken during the reporting | ame frequency and locations for all period. | total coliform samples that are taken. Ti | ie number of required samples is the to | tal number of routine and repeat |
| (2) Each day of operation. Subpart H systems and system. Grab sampling may be conducted at the (3) For systems using chlorine dioxide, and not utilize | rate specified in the regulations for | ig more than 3,330 persons must measi systems serving less than 3,300 | ure chlonne residuals continuously at t | he entry point to the distribution |
| be taken the day after the exceedance at a point | ang booster chlorination facilities in closest to the first customer at six-ty | the distribution system, if an entry point our intervals. Analysis must be by Ion C | sample exceeds the MRDL, a three-sa hromatography | mple set of measurements must |
| be taken the day after the exceedance at the fo | linze ocoster chlorination lacitities in llowing locations: 1) a point closest | | | mple set of measurements must |
| I certify under penalty of law that this document and all a | Hackmonte wass assessed by | | | |
| Section 39-16-702(a)(4), this declaration is made under | penalty of perjury | | ne and imprisonment As specified in Te | ennessee Code Annotated |
| PREPARED BY Earl Malhory | 4. DATE 2-2-24 | APPROVED BY | my Ducker DATE | 2-2-24 |
| , , | 1 | | T DATE | |

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION



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

FEB 0 7 2024

WATER PUMPAGE DATA REPORT

| PWSID: T N 0 0 0 4 4 | H | 5 | Mo | nth: | January Ye | ar | : | 20 | 2 | 4 | | | |
|------------------------------------|------|------------------------|-----|---------|------------------------------|-----|-----|-----|-----|-----|----|----|-----------|
| | | | | | #3 | | | | | | | 20 | |
| Address: 3304 Che | | | Hil | | d | | , | | | | | -: | |
| City/State/Zip: Dandridge | e, 7 | N | 3 | 772 | .5 | | | | | | | | |
| Source Name | | Source Types | | Emerg. | Monthly Average | | | Max | imu | m D | ay | | |
| 1. Springs | S | (G) | P | E | 000.4665 | U | 0 | 1 | | 0 | 1 | D | 0 |
| 2. Wholey Wells | S | \bigcirc | P | E | 000.5040 | 0 | 0 | O | | 5 | 0 | 4 | 0 |
| 3. AT Well | S | \bigcirc | P | E | 000.1440 | 0 | 0 | 0 | | 1 | 4 | 4 | 0 |
| 4. Dickey Rd Wells | S | G | P | E | | _ | | | • | | | | \exists |
| 5. #4 Warehouse Well | S | $\widehat{\mathbf{G}}$ | P | E | | _ | | | | | | | |
| 6. Old office Well | S | © | P | E | | E | - | - | | | - | | |
| 7. Lake Wells | S | © | P | E | | | L | | | | | | _] |
| 8. Cornhusker Well | S | © | P | E | | | | | · | | - | | \exists |
| 9. Sevierville, Water | S | G | P | E | 000.1393 | 0 | 0 | 0 | | 2 | 8 | 8 | D |
| 10. | S | G | P | E | | | | | | | | | |
| *SOURCE TYPE KEY: S=Surface Water, | G=G | Fround | Wat | er, P=1 | Purchased Water, E=Emergency | Sou | rce | | | | | | |

| Print Name: | Earl Matheny, Jr. |
|-------------|----------------------------------|
| Signature: | Earl Mathery, Jr. 1865) 509.2361 |
| Phone: | |
| E-mail: | ematheny @bush bros. com |

Report water data in MGD as examples below: 1,900 gallons = 0.0019 MGD15,255 gallons = 0.0153 MGD154,427 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.