



MISSISSIPPI STATE DEPARTMENT OF HEALTH

REPORT OF INSPECTION OF DRINKING WATER SUPPLY

PWS: 0610008 **Class:** D

An inspection of the FANNIN WATER ASSN-NORTH water supply in RANKIN county was made on 11/26/2024. Present at the time of inspection was ANDREW H BOYD, OPERATOR; WRITER. Official JAMES GOULD Address 2653 HWY 471 BRANDON MS 39047 W.W. Operator ANDREW H BOYD Address P O BOX 363 SANDHILL MS 39161 No. Connections 2913 No. Meters Population Served 7690 Field Chemical Analysis: pH Cl2(free) 2.5 Cl2(total) H2S N/A Iron Fluoride Point of Sampling DISTRIBUTION Water Rates

COMMENTS

Technical: 5 Managerial: 4 Financial: 5

OVERALL CAPACITY RATING: 4.7 / 5.0

1. Adequate chlorine residual was found throughout the distribution system and required SDWA records were available for review and well organized. Chlorine residual is checked and recorded as required. The following field chlorine readings were observed: standpipe- 2.5 mg/l free residual.
2. This system was issued two violations under the Disinfection Byproducts Rule since out last inspection.
3. The current pump test indicates the capacity of well 04 has dropped significantly. This should be investigated.
4. Tank inspections were completed April 2024.
5. Fluoride feed equipment has not been put online.
6. We recommend system officials consider an emergency connection with a neighboring system.
7. A meter replacement program is in place.

8. Results from the 2024 pumping test were provided during the inspection. In order to continue to receive credit for T4, pump tests must be conducted on the wells at least once every two years. For systems over 80% of design capacity, pump tests are required each year.
9. Well 01 is used as standby only. This well will remain on active inventory as long as chlorination equipment is present but is not included in the design calculation since it cannot run with well 04 running. This well should be routinely pumped.
10. We recommend chlorine analyzers (or vacuum analyzers) be considered.
11. The Security Vulnerability Self-Assessment and Emergency Response Plan must be updated annually. An updated copy was available for review.

Completed by Greg Caraway, P.E. on 12/09/2024.

Reviewed by William F. Moody, Bureau Director on 12/31/2024.

If you have any questions, please call (601)576-7518.

pc:

JAMES GOULD, OFFICIAL
ANDREW H BOYD, OPERATOR

Mississippi State Department of Health
Bureau of Public Water Supply

FY 2025 Public Water System Capacity Assessment Form

NOTE: This form must be completed whenever a routine sanitary survey of a public water system is conducted by a regional engineer of the Bureau of Public Water Supply

PWS ID#: 0610008 Class: D Survey Date: 11-26-2024 County: RANKIN
Public Water System: FANNIN WATER ASSN-NORTH Conn: 2913
Certified Waterworks Operator: ANDREW H BOYD Pop: 7690

CAPACITY RATING DETERMINATION

Technical (T) Capacity Rating: [5] Managerial (M) Capacity Rating [4] Financial (F) Capacity Rating [5]

Capacity Rating = (T+M+F) / 3 = (5+4+5) / 3 = 14 / 3 = 4.7

Overall Capacity Rating = 4.7

Completed by Greg Caraway, P.E. on 12/09/2024
Reviewed by William F. Moody, Bureau Director on 12/31/2024

Comments:

Table with 3 columns: Question, Point Scale, Point Award. Rows include technical capacity assessment questions [T1] through [T5] and a final row for the TECHNICAL CAPACITY RATING = [5] (Total Points).

Managerial Capacity Assessment	Point Scale	Point Award
[M1] Were all SDWA required records maintained in a logical and orderly manner and available for review by the regional engineer during the survey? <input checked="" type="radio"/> Y <input type="radio"/> N]	Y - 1pt. N - 0pt.	1
[M2] 1) Have acceptable written policies and procedures for operating this water system been formally adopted and were these policies available for review during the survey? <input checked="" type="radio"/> Y <input type="radio"/> N] 2) Have all board members (in office more than 12 months) completed Board Member Training? <input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/> NA] 3) Does the Board of Directors meet monthly and were minutes of Board meetings available for review during the survey? (NOTE: Quarterly meetings allowed if system has an officially designated full time manager) <input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/> NA] (NOTE: ALL YESs or NAs required to receive point. NA - Not Applicable)	All Y - 1 pt. Else - 0 pt.	1
[M3] Has the water system had any SDWA violations since the last Capacity Assessment? <input checked="" type="radio"/> Y <input type="radio"/> N]	N - 1pt. Y - 0pt.	0
[M4] Has the water system developed or is in process of developing its asset management plan to support its long range improvements plan and were these plans available for review during the survey? <input checked="" type="radio"/> Y <input type="radio"/> N]	Y - 1pt. N - 0pt.	1
[M5] 1) Does the water system have an effective cross connection control program in compliance with MSDH regulations? <input checked="" type="radio"/> Y <input type="radio"/> N] 2) Was a copy of the MSDH approved bacti site plan and lead/copper site plan available for review during the survey and do the bacti results clearly show that this approved plan is being followed? <input checked="" type="radio"/> Y <input type="radio"/> N] (NOTE: All YESs required to receive point)	All Y - 1 pt. Else - 0 pt.	1
MANAGERIAL CAPACITY RATING = [<u>4</u>] (Total Points)		

Financial Capacity Assessment	Point Scale	Point Award
[F1] Has the water system raised water rates in the past 5 years? <input checked="" type="radio"/> Y <input type="radio"/> N] (NOTE: Point may be awarded if the water system provides acceptable financial documentation clearly showing that a rate increase is not needed, i.e. revenue has consistently exceeded expenditures by at least 10%, etc.)	Y - 1pt. N - 0pt.	1
[F2] Does the water system have an officially adopted policy requiring that water rates be routinely reviewed and adjusted as appropriate and was this policy available for review during the survey? <input checked="" type="radio"/> Y <input type="radio"/> N]	Y - 1pt. N - 0pt.	1
[F3] Does the water system have an officially adopted cut-off policy for customers who do not pay their water bills, was a copy of this policy available for review by the regional engineer, and do system records (cut-off lists, etc.) clearly show that the water system effectively implements this cut-off policy? <input checked="" type="radio"/> Y <input type="radio"/> N]	Y - 1pt. N - 0pt.	1
[F4] Was a copy of the water system's officially adopted annual budget available for review by the regional engineer and does the water system's financial accounting system clearly and accurately track the expenditure and receipt of funds? <input checked="" type="radio"/> Y <input type="radio"/> N]	Y - 1pt. N - 0pt.	1
[F5 - Municipal Systems] 1) Was a copy of the latest audit report available for review at the time of the survey? <input type="radio"/> Y <input type="radio"/> N] 2) Does this audit report clearly show that water and sewer fund account(s) are maintained separately from all other municipal accounts? <input type="radio"/> Y <input type="radio"/> N] (NOTE: Yes answer to all questions required to receive point.)	All Y - 1 pt. Else - 0 pt.	
[F5 - Rural Systems] 1) Was the latest financial report / audit report available for review? <input checked="" type="radio"/> Y <input type="radio"/> N] 2) Does the latest financial report show that receipts exceeded expenditures? <input checked="" type="radio"/> Y <input type="radio"/> N] (NOTE: Yes answer to both questions required to receive point)	All Y - 1 pt. Else - 0 pt.	1
FINANCIAL CAPACITY RATING = [<u>5</u>] (Total Points)		



MISSISSIPPI DEPARTMENT OF HEALTH
BUREAU OF PUBLIC WATER SUPPLY
DESIGN CAPACITY SHEET

System: **FANNIN WATER ASSN-NORTH**
ID: **0610008** Class: **D** County: **RANKIN**

Date Completed: **12/09/2024**
Connections - Actual: **2913** Equivalent: **2878**
Design Capacity: **3997** Percent Design Capacity: **2878/3997 = 72%**

Source Capacity

Well 1 - 278 gpm (standby only, not included in calculation)
Well 2 - 394 gpm
Well 3 - 384 gpm
Well 4 - 329 gpm
Well 5 - 535 gpm

total = 1642 gpm December 2024 pump test

(well 01 and well 04 cannot run at the same time due to proximity to each other)

Storage Capacity

157,000 Standpipe 1 acts as elevated storage
157,000 Standpipe 2 acts as elevated storage
157,000 Standpipe 3 acts as elevated storage

Design Capacity = Total Well Capacity + Storage Capacity/200
= 1642 + 471,000/200
= 4155 gpm

Total Design Capacity = 3997 Connections

NOTE: THIS SYSTEM HAS TWO BOOSTER STATION THAT SERVE 35 CUSTOMERS. THIS BOOSTER STATION IS NOT OVERLOADED AND CREDIT FOR THE BOOSTER STATIONS GIVEN.

Current Number of Connections 2913 Connections
Booster Station Connections - 35 Connections
Net Total Connections = 2878 Connections

All users reported as residential