

Randleman

2022 ▾

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1. System Information

Contact Information

Water System Name:	Randleman	PWSID:	02-76-015
Mailing Address:	204 S. Main St. Randleman, NC 27317	Ownership:	Municipality
Contact Person:	Anthony Scott Pyrtle	Title:	ORC Water Dist./ Collections
Phone:	336-669-2936	Cell/Mobile:	--
Secondary Contact:	Greg Patton	Phone:	336-495-7500
Mailing Address:	204 S. Main St. Randleman, NC 27317	Cell/Mobile:	--

Provisional

Distribution System

Line Type	Size Range (Inches)	Estimated % of lines
Asbestos Cement	6-12	28.60 %
Cast Iron	6-12	25.00 %
Ductile Iron	12-16	5.00 %
Galvanized Iron	1-2	2.00 %
Polyvinyl Chloride	6-12	39.40 %

What are the estimated total miles of distribution system lines? 44 Miles

How many feet of distribution lines were replaced during 2022? 0 Feet

How many feet of new water mains were added during 2022? 0 Feet

How many meters were replaced in 2022? 42

How old are the oldest meters in this system? 30 Year(s)

How many meters for outdoor water use, such as irrigation, are not billed for sewer services? 15

What is this system's finished water storage capacity? 0.8500 Million Gallons

Has water pressure been inadequate in any part of the system since last update? *Line breaks that were repaired quickly should not be included.* No

Programs

Does this system have a program to work or flush hydrants? Yes, Monthly

Does this system have a valve exercise program? No

Does this system have a cross-connection program? No

Does this system have a program to replace meters? Yes

Does this system have a plumbing retrofit program? No

Does this system have an active water conservation public education program? Yes

Does this system have a leak detection program? No

Water Conservation

What type of rate structure is used? Flat/Fixed, Uniform

How much reclaimed water does this system use? 0.0000 MGD For how many connections? 0

Does this system have an interconnection with another system capable of providing water in an emergency? Yes

2. Water Use Information

Service Area

Sub-Basin(s)	% of Service Population	County(s)	% of Service Population
Deep River (02-2)	100 %	Randolph	100 %

What was the year-round population served in 2022? 4,631

Has this system acquired another system since last report? No

Water Use by Type

Type of Use	Metered Connections	Metered Average Use (MGD)	Non-Metered Connections	Non-Metered Estimated Use (MGD)
Residential	2,320	0.2270	0	0.0000
Commercial	266	0.1580	0	0.0000
Industrial	13	0.3310	0	0.0000
Institutional	11	0.0140	7	0.0025

How much water was used for system processes (backwash, line cleaning, flushing, etc.)? 0.0050 MGD

3. Water Supply Sources

Monthly Withdrawals & Purchases

	Average Daily Use (MGD)	Max Day Use (MGD)		Average Daily Use (MGD)	Max Day Use (MGD)		Average Daily Use (MGD)	Max Day Use (MGD)
Jan	0.8870	1.4130	May	0.8540	1.1630	Sep	0.8040	0.9990
Feb	0.9680	1.3890	Jun	0.8870	1.2980	Oct	0.6860	0.9040
Mar	0.7570	0.9280	Jul	0.8030	1.9760	Nov	0.4940	0.5910
Apr	0.8030	1.0400	Aug	0.8340	1.0610	Dec	0.4990	0.7150



Water Purchases From Other Systems

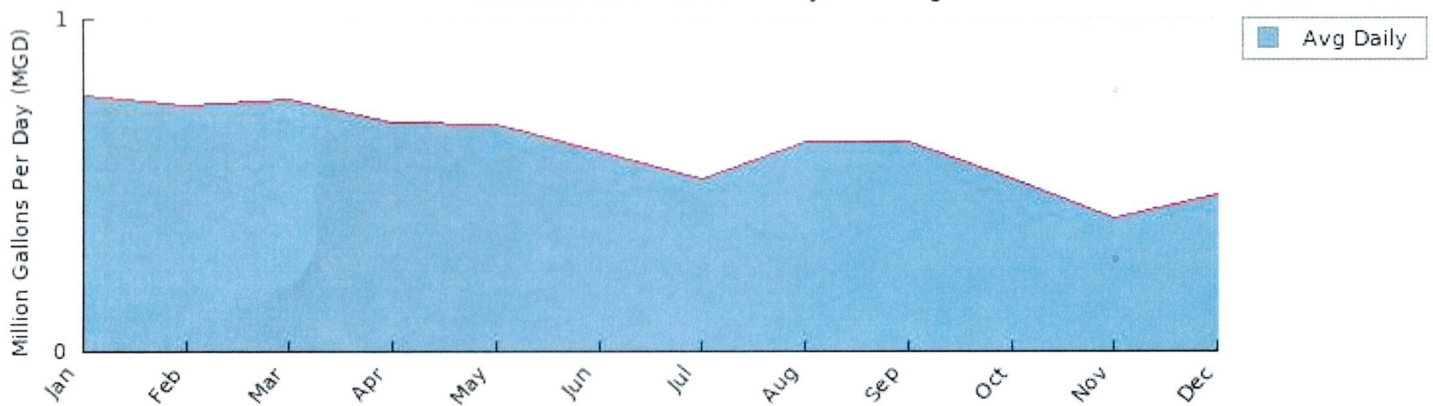
Seller	PWSID	Average Daily Purchased (MGD)	Days Used	MGD	Contract Expiration	Recurring	Required to comply with water use restrictions?	Pipe Size(s) (Inches)	Use Type
Asheboro, City of	02-76-010	0.1030	365	0.1250	2025	Yes	Yes	12	Regular
Piedmont Triad Regional Water Authority	30-76-010	0.6700	365	1.0000	2057	Yes	Yes	24	Regular

4. Wastewater Information

Monthly Discharges

	Average Daily Discharge (MGD)		Average Daily Discharge (MGD)		Average Daily Discharge (MGD)
Jan	0.7690	May	0.6850	Sep	0.6300
Feb	0.7420	Jun	0.5990	Oct	0.5170
Mar	0.7610	Jul	0.5180	Nov	0.4000
Apr	0.6890	Aug	0.6290	Dec	0.4720

Randleman's 2022 Monthly Discharges



How many sewer connections does this system have? 2,216

How many water service connections with septic systems does this system have? 129

Are there plans to build or expand wastewater treatment facilities in the next 10 years? No

Wastewater Permits

Permit Number	Type	Permitted Capacity (MGD)	Design Capacity (MGD)	Average Annual Daily Discharge (MGD)	Maximum Day Discharge (MGD)	Receiving Stream	Receiving Basin
NC0025445	WWTP	1.7450	1.7450	0.6176	1.5333	Deep River	Deep River (02-2)

Wastewater Interconnections

Water System	PWSID	Type	Average Daily Amount		Contract Maximum (MGD)
			MGD	Days Used	
City of Asheboro	02-76-010	Discharging	0.0323	365	0.1250

5. Planning

Projections

	2022	2030	2040	2050	2060	2070
Year-Round Population	4,631	5,054	5,638	6,290	7,018	7,829
Seasonal Population	0	0	0	0	0	0
Residential	0.2270	0.2477	0.2764	0.3083	0.3440	0.3837
Commercial	0.1580	0.1724	0.1923	0.2146	0.2394	0.2671
Industrial	0.3310	0.3612	0.4030	0.4496	0.5016	0.5596
Institutional	0.0165	0.0180	0.0200	0.0224	0.0250	0.0278
System Process	0.0050	0.0054	0.0060	0.0067	0.0075	0.0084
Unaccounted-for	0.0355	0.0000	0.0000	0.0000	0.0000	0.0000

All projections are based on the 1.011 growth rate by the census bureau.

Demand v/s Percent of Supply

	2022	2030	2040	2050	2060	2070
Surface Water Supply	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Ground Water Supply	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Purchases	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250
Future Supplies		0.0000	0.0000	0.0000	0.0000	0.0000
Total Available Supply (MGD)	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250
Service Area Demand	0.7730	0.8047	0.8977	1.0016	1.1175	1.2466

Sales	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Future Sales		0.0000	0.0000	0.0000	0.0000	0.0000
Total Demand (MGD)	0.7730	0.8047	0.8977	1.0016	1.1175	1.2466
Demand as Percent of Supply	69%	72%	80%	89%	99%	111%



The purpose of the above chart is to show a general indication of how the long-term per capita water demand changes over time. The per capita water demand may actually be different than indicated due to seasonal populations and the accuracy of data submitted. Water systems that have calculated long-term per capita water demand based on a methodology that produces different results may submit their information in the notes field.

Your long-term water demand is **49** gallons per capita per day. What demand management practices do you plan to implement to reduce the per capita water demand (i.e. conduct regular water audits, implement a plumbing retrofit program, employ practices such as rainwater harvesting or reclaimed water)? If these practices are covered elsewhere in your plan, indicate where the practices are discussed here. **No changes**

Are there other demand management practices you will implement to reduce your future supply needs? **No changes**

What supplies other than the ones listed in future supplies are being considered to meet your future supply needs? **Our purchases from PTRWA are finite. It has been discussed that we would have to negotiate contracts with other municipalities for a percentage of their water.**

How does the water system intend to implement the demand management and supply planning components above? **No changes**

Additional Information

Has this system participated in regional water supply or water use planning? **No**

What major water supply reports or studies were used for planning?

Please describe any other needs or issues regarding your water supply sources, any water system deficiencies or needed improvements (storage, treatment, etc.) or your ability to meet present and future water needs. Include both quantity and quality considerations, as well as financial, technical, managerial, permitting, and compliance issues:

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