

Joseph N. Quesenberry
Town Manager

Melissa Coates
Assistant Town Manager

Julia Blackley – Rice
Treasurer & Clerk

Sean L. Peterson
Chief of Police

Sands Anderson Law
Town Attorney



COUNCIL MEMBERS

Randall L. Phelps - *Mayor*

Paul G. Yackel - *Vice Mayor*

Mary Beth Bryant

Jonathan English

Rebecca C. Hubert

Daphne Palmore

Ralph W. Self

Robert Walters

78 Belle Ville Lane, Warsaw, VA 22572 | P.O. Box 730 | Phone - (804) 333-3737 | <http://www.townofwarsaw.com>

TO: Warsaw Town Council

FROM: Jesse Schools, Director of Public Works

DATE: 1/08/2025

RE: Public Works Report

Dear Council Members:

Please find my Public Works Report for the month of December. Please let me know if you have any questions or concerns.

-WWTP

Monthly Numbers

Average daily Influent flow for December – 182,600 gallons, an increase of 7,100 gals from the month of November average daily flow.

Maximum influent flow for December – 234,000 gallons, an increase of 41,500 gals from the month of November max flow.

Nutrient Sampling Results

For December the average effluent Total Nitrogen (TN) concentration was 2.0 mg/l, within the limits of our permit.

For December the average effluent Total Phosphorus (TP) concentration was 0.06 mg/l, within the limits of our permit.

Monthly Operations and Maintenance

Staff collected all town fire extinguishers for annual inspection.

Operators serviced equipment as required by our preventive maintenance program.

Plant staff assisted with Christmas Town.

Operators surveyed and cleaned all the lamps that serve the UV disinfectant system.

Completed and submitted our monthly operations report.

Effluent samples for the month of December met all requirements as to our permit discharge limits.

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-Water Department

Attached you will find the Water Loss Report, for the month of December we are at a 3% water loss.

Department staff did daily chlorine checks of all four wells, along with two random samples each day throughout town.

Completion of state selected bacteria samples; all results came back absent.

Helped prepare Christmas Town, along with working the event.

Decorated the trash truck for the Christmas parade.

Finished the last quarter for our DEQ ground water report. The town pumped 65,844,200 gallons out of the ground for year 2025 (within our permit of 69,900,000).

-Refuse Department

For the month of November town staff made 16 trips to the landfill totaling 112 tons or 224,000 pounds of trash.

(Fun Fact) Calendar year 2025 the Town hauled 2,808,000 pounds of trash.

-Public Works (Maintenance)

Staff assisted with Monday and Thursday residential trash pickup.

Assisted with recording of monthly water meter readings.

Took care of the bathrooms and grounds at the Town Park.

Helped prepare Christmas Town, along with working the event

Also helped decorate the trash truck for the parade.

Monthly Water Loss Report

Water System:

For the Month of:

Year:

Water Produced this month: gallons

Water Purchased this month: gallons

A: Total Water Produced and Purchased = **5,310,000 gallons**

Sold: Residential gallons

Total Sold = **5,143,737 gallons**

B: Difference: (Produced+Purchased) - Sold = **166,263 gallons**

% Difference = **3 % total water loss**

Gallons of Water Accounted For:

Breaks (Estimated Total)	<input type="text" value="0"/>	gallons
Hydrant Flushing	<input type="text" value="0"/>	gallons
Storage Tank/Clearwell overflow	<input type="text" value="0"/>	gallons
Fire Hydrant Use	<input type="text" value="2,000"/>	gallons
Fire Department Use	<input type="text" value="2,500"/>	gallons
Leak adjustments	<input type="text" value="0"/>	gallons
Maintenance shop	<input type="text" value="8,000"/>	gallons
Sewer jetting	<input type="text" value="0"/>	gallons
Town watering flowers	<input type="text" value="0"/>	gallons
Office/Police Dept.	<input type="text" value="2,000"/>	gallons
Pool	<input type="text" value=""/>	gallons

C: Total Gallons Accounted For = **14,500 gallons**

Loss: Unaccounted-for Water: (B-C) = **151,763 gallons**

% Loss: Unaccounted-for Water: (B-C)/A %= **3 % unaccounted - for loss**

days in billing period

Gallons / Day Loss = **4,599 gallons/day**

Gallons / Minute Loss = **3 gallons/min.**

This spreadsheet is a product of the Technical Assistance Center for Water Quality at Western Kentucky University and the Kentucky Rural Water Association. Feel free to contact us at (270) 745-5948 or at <http://water.wku.edu/>. This spreadsheet may be freely distributed. Please let us know if you use it, like it, or have suggestions for improvement!