

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

Ogle E. Forrest, Sr.

Faron H. Hamblin

Rebecca C. Hubert

Ralph W. Self

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

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## MEMORANDUM

TO: Warsaw Town Council

FROM: Jesse Schools, Director of Public Works

DATE: 2/13/2025

RE: Public Works Report

Dear Council Members:

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

### -WWTP

#### Monthly Numbers

Average daily Influent flow for January – 171,600 gallons, an increase of 3,900 gals from the month of December average daily flow.

Maximum Influent flow for January – 215,600 gallons, a decrease of 13,900 gal from the month of December max flow.

#### Nutrient Sampling Results

For January, the average effluent Total Nitrogen (TN) concentration was 2.23 mg/l, within the limits of our permit.

For January, the average effluent Total Phosphorus (TP) concentration was 0.21 mg/l, within the limits of our permit.

#### 2024 Nutrient Annual Results

Total Nitrogen Calendar Year 2024 Loading Result - 1483 LB/YR (40% of Permitted 3655 LB/YR)

Total Phosphorus Calendar Year 2024 Loading Result - 85.50 LB/YR (35% of Permitted 247 LB/YR)

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## Operations and Maintenance

Administrational Staff and Plant Engineer are implementing plans to make future upgrades to the Treatment Plant Sand filter, UV system and Polymer pumps.

Operators serviced equipment as to our preventive maintenance program.

Plant staff surveyed and cleaned all the lamps that service the UV disinfectant system.

Completed and submitted our monthly operations report.

The Treatment Plant Staff assisted with water pipe rupture repairs and job site clean-up.

Plant effluent samples taken and tested for the month of January met all requirements as to our permit discharge limits.

The Warsaw Treatment Plant met all requirements as to our VPDES Permit, Calendar Year 2024.

## -Water Department

Attached you will find the Water Loss Report, for the month of January we are at a 2% water loss.

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

Staff also completed state selected bacteria samples; all results came back absent.

The water department also checked sewage/pump stations each day.

Removed all pole mounted Christmas decorations.

In January we experienced 4 water main breaks, 2 on Main St. and 2 on Hamilton Blvd. All Town staff worked together and repaired each one.

## -Refuse Department

For the month of December town staff made 15 trips to the landfill totaling 137.14 tons or 274,280 pounds of trash.

Truck #5 broke a pin on the trash body, this has been an ongoing issue, and the truck will have to go back to Heil to figure out what is out of line and continuing to break pins.

## -Public Works (Maintenance)

Staff assisted with Monday and Thursday residential trash pickup.

Assisted with recording of monthly water meter readings.

Removed all ground mounted Christmas decorations along with all acorn light wreaths and garland.

Helped down out our WWTP when needed, along with the Water Dept.

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

# Monthly Water Loss Report

Water System: **Town Of Warsaw**

For the Month of: **January** Year: **2025**

**Water Produced this month:** **5,125,200** gallons  
**Water Purchased this month:**  gallons

**A: Total Water Produced and Purchased = 5,125,200 gallons**

**Sold: Residential 4,991,658 gallons**

**Total Sold = 4,991,658 gallons**

**B: Difference: (Produced+Purchased) - Sold = 133,542 gallons**

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

## Gallons of Water Accounted For:

Breaks (Estimated Total)	20,000	gallons
Hydrant Flushing	2,000	gallons
Storage Tank/Clearwell overflow	0	gallons
Fire Hydrant Use	0	gallons
Fire Department Use	0	gallons
Leak adjustments	0	gallons
Maintenance shop	2,500	gallons
Sewer jetting	0	gallons
Town watering flowers	0	gallons
Office/Police Dept.	2,000	gallons
Pool	0	gallons
Amount in storage tanks	0	gallons
		gallons

**C: Total Gallons Accounted For = 26,500 gallons**

**Loss: Unaccounted-for Water: (B-C) = 107,042 gallons**

**% Loss: Unaccounted-for Water: (B-C)/A %= 2 % unaccounted - for loss**

**Gallons / Day Loss =**

**Gallons / Minute Loss =**

**31** days in billing period

**3,453 gallons/day**

**2 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!