

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: 4/10/2025

RE: Public Works Report

Dear Council Members:

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

### **-WWTP**

#### **Monthly Numbers**

Average daily Influent flow for March – 185,200 gallons, a decrease of 7,100 gals from the month of February average daily flow.

Maximum Influent flow for March – 328,600 gallons, an increase of 72,000 gals from the month of February max flow. (Due to heavy rainfall)

#### **Nutrient Sampling Results**

For March, the average effluent Total Nitrogen (TN) concentration was 3.97 mg/l, within the limits of our permit.

For February, the average effluent Total Phosphorus (TP) concentration was 0.20 mg/l, within the limits of our permit.

#### **Monthly Operations and Maintenance**

The Treatment Plant experienced an increase in ammonia early in the month of March. After evaluation, necessary changes were quickly implemented that restored optimum treatment.

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.

Ordered necessary supplies.

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Staff working with Power and Flow field tech have restored two of our sand filters to normal service. Currently, we are working on sand filter three.

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

### **-Water Department**

Attached you will find the Water Loss Report, for the month of March 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.

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

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

Staff also experienced a water leak at our Well #3 lot, due to the unforeseen issue and the extensive infrastructure in this area, we hired a contractor to remedy the problem. An 8-inch (T) between 3 separate water valves was the problem. Contractors worked quickly, replacing about 10' of line, along with (2) 22-degree fittings and gaskets at the T.

### **-Refuse Department**

For the month of February town staff made 15 trips to the landfill totaling 121 tons or 242,000 pounds of trash.

Truck #5 quote for repair has been approved and progress is being made, found that the wear shoe for the body had broken, which was causing a bind on the driver side body pin.

### **-Public Works (Maintenance)**

Staff assisted with Monday and Thursday residential trash pickup.

Assisted with recording of monthly water meter readings.

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

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

Staff have also started weeding flower beds and spreading mulch throughout town.

Replaced Winter banners with Spring banners.

# Monthly Water Loss Report

Water System: **Town Of Warsaw**

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

**Water Produced this month:** **5,203,200** gallons

**Water Purchased this month:**  gallons

**A: Total Water Produced and Purchased = 5,203,200 gallons**

**Sold: Residential 5,030,821 gallons**

**Total Sold = 5,030,821 gallons**

**B: Difference: (Produced+Purchased) - Sold = 172,379 gallons**

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

## Gallons of Water Accounted For:

Breaks (Estimated Total)	5,000	gallons
Hydrant Flushing	1,500	gallons
Storage Tank/Clearwell overflow	0	gallons
Fire Hydrant Use	5,000	gallons
Fire Department Use	0	gallons
Leak adjustments	0	gallons
Maintenance shop	7,500	gallons
Sewer jetting	1,200	gallons
Town watering flowers	0	gallons
Office/Police Dept.	2,500	gallons
Pool	0	gallons
Amount in storage tanks	0	gallons

**C: Total Gallons Accounted For = 22,700 gallons**

**Loss: Unaccounted-for Water: (B-C) = 149,679 gallons**

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

**Gallons / Day Loss =**

**Gallons / Minute Loss =**

**30** days in billing period

**4,989 gallons/day**

**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!