

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: 9/11/2025

RE: Public Works Report

Dear Council Members:

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

**-WWTP**

### **Monthly Numbers**

Average daily Influent flow for August – 184,500 gallons, a decrease of 3,900 gals from the month of July average daily flow.

Maximum influent flow for August – 198,000 gallons, a decrease of 74,000 gals from the month of July max flow.

### **Nutrient Sampling Results**

For August the average effluent Total Nitrogen (TN) concentration was 1.88 mg/l, within the limits of our permit.

For August the average effluent Total Phosphorus (TP) concentration was 0.15 mg/l, within the limits of our permit.

### **Monthly Operations and Maintenance**

Plant staff collected samples (seven sample points) to complete our ground water monitoring test for the third quarter of 2025.

Operators serviced equipment as required by our preventive maintenance program.

Operators cleaned all banks of our UV system.

Treatment Plant Operators assisted with recording water meter readings.

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Treatment plant effluent samples for the month of August met all requirements as to our permit discharge limits.

Staff also worked the Towns August 4<sup>th</sup> Friday Concert.

### **-Water Department**

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

We took raw water samples at each well and all came back in compliance.

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

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

Woodland Heights newly added water and sewer line passed all AWWA regulations and is now active in our system.

The Town experienced a water leak on RT 360 in front of Shell Station. We decided not to fix it, but to cap off that main line and get some of it out of the road. We have plans to get the rest of the water main out of that intersection entirely soon.

### **-Refuse Department**

For the month of July town staff made 17 trips to the landfill totaling 137 tons or 274,000 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.

Grass cutting at all town-owned facilities along with the median strips along RT. 360.

Watering of all hanging baskets and stationary planters in town.

# 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 =** **5,671,000 gallons**

**Sold: Residential**  gallons

**Total Sold =** **5,500,934 gallons**

**B: Difference: (Produced+Purchased) - Sold =** **170,066 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="0"/>	gallons
Fire Department Use	<input type="text" value="0"/>	gallons
Leak adjustments	<input type="text" value="0"/>	gallons
Maintenance shop	<input type="text" value="7,500"/>	gallons
Sewer jetting	<input type="text" value="1,800"/>	gallons
Town watering flowers	<input type="text" value="15,000"/>	gallons
Office/Police Dept.	<input type="text" value="5,000"/>	gallons
Pool	<input type="text" value=""/>	gallons

**C: Total Gallons Accounted For =** **29,300 gallons**

**Loss: Unaccounted-for Water: (B-C) =** **140,766 gallons**

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

**Gallons / Day Loss =**

days in billing period

**Gallons / Minute Loss =**

**4,399 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!