

WHAT CAUSES WATER DISCOLORATION?

Naturally occurring mineral sediment, primarily manganese and iron, in pipes used to distribute water to customers can become disturbed which may result in discolored water at your tap. These disturbances can have a variety of causes, including water main breaks; flow, pressure or velocity changes in pipes, construction activities or fire hydrant use. These disturbances are common occurrences in water systems across the nation.

The Beaufort–Jasper Water and Sewer Authority (BJWSA) is working to resolve recurring, sporadic water discoloration issues in several neighborhoods which are predominantly in areas south of the Broad River.

BJWSA's ongoing steps to resolve discolored water issues include:

- Further reducing already low levels of manganese (average .04mg/L) in water leaving our water plant to decrease future sediment buildup.
- Minimizing the number of potential disturbance events and encouraging participation in our Irrigation Management Plan to help prevent pressure, velocity and directional changes.
- Tracking locations of discolored water which helps pinpoint problematic mains.
- Undertaking strategic, directional water main flushing to help scour and eliminate accumulated minerals in problem areas.



Thank you for your patience as we work to address this issue.

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BJWSA'S PLAN TO RESOLVE ACUTE DISCOLORATION ISSUES

BJWSA's long-term plan to resolve discolored water issues includes:

- **Doubling treatment capacity of the Purrysburg water plant.**
 - Project is underway and expected to be complete in 2025.
 - Will help prevent water pressure, turbulence & flow direction changes by providing a more consistent supply of treated water during periods of high demand.
- **Continuing capital improvement projects.**
 - Construction of new water mains and storage improvements, including construction of a new water tower along Buckwalter Parkway to address growth.
- **Considering alternatives from expert consultants for feasible solutions which may include more advanced pipe-scouring techniques.**

If you notice discolored water at your tap:

- **Run cold (not hot) water close to where the water enters your home until clear.**
 - In most cases, the water should clear up in less than 5 or 10 minutes.
- **If the water doesn't clear after 10 minutes, call us at (843) 987-9200 so we can investigate.**
 - Calls help us track events and pinpoint problematic water mains.

Scan for More Information About Our Water Quality:



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