VDE's plans to minimize future discolored water events:

Efforts underway or completed in 2026:

1. Three new wells in the Glenwood area are under construction. Verdantas Engineering combined with KA Stevens will complete this project in 2026; it will add an anticipated 140,000 gallons of water per day to the system.
2. Underwood Engineers produced an electronic Prevention Maintenance/Maintenance Management System for Field Operations personnel to track equipment condition and performance.
3. Weston & Sampson Engineers investigated the scope and prioritized Capital/Operational improvements to enhance backwashing effectiveness of the Water Treatment Plant filter system. They have determined the benefits and cost of adding an "Integrated Finish Water Clearwell" prior to the filter system to further remove iron and manganese. The clearwell will also function as a backwash supply tank, easing the water demand on the system during backwash cycles. This additional process would increase drinking water quality as it leaves the plant.
4. Filter media has been replaced in all three Water Treatment Greensand Filters.
5. Underwood Engineers has prioritized the design and replacement of the drinking water distribution line on Glenwood Road as the replacement for 2027 due to its poor-quality piping and historic discolored water events.

Planned Projects:

1. Weston & Sampson and Champlin Associates have been engaged to expand the field of knowledge regarding iron and manganese removal from water main distribution lines, considering potentially experimental approaches to scour/remove latent iron and manganese deposits.
2. Clean and reline the Hilltop water storage tank.
3. Increase historic Spring/Fall flushing effort to proposed 32+/- weeks (April through November).