



DATE:	May 17, 2026	TO:	All Homeowners and Residents of Mesa Ridge Subdivisions
FROM:	Mesa Ridge Water Company	SUBJECT:	Official Water System Status Update and Quality Assurance Report

Comprehensive Status Report: Infrastructure, Capacity, and Quality Assurance

Dear Residents,

Mesa Ridge Water Company is pleased to provide this comprehensive status report regarding the infrastructure, capacity, and ongoing operational parameters of our public water system. This letter serves as an official update to verify that the system continues to operate at a high standard of engineering performance, reliability, and full regulatory compliance.

Most importantly we are not currently experiencing water shortages, water quality concerns, infrastructure failure, or state compliance issues. The system is operating normally within approved design and capacity parameters. Our infrastructure tracking, system redundancy, and safety protocols remain strictly aligned with state specifications, ensuring a dependable and high-quality utility service for all consumers within our service area.

1. Verified Infrastructure Configuration & Supply Capacity

The Mesa Ridge Water System features a dual-well configuration designed to guarantee technical redundancy and an uninterrupted water supply. The system draws from two high-yield groundwater wells:

- **Well #1 (SDWIS ID: 001):** A professionally drilled source descending to a total depth of 200 feet, featuring a screened intake between 40 and 180 feet. It operates with an individual permitted flow capacity of 150 gallons per minute (gpm).

- **Well #2 (SDWIS ID: 002 / Permit No. 64252-F):** A secondary drilled source also reaching a depth of 200 feet, with a screened intake from 40 to 200 feet, providing an individual permitted flow capacity of 100 gpm.

The state-decreed combined flow rate for both wells is established at 150 gpm, providing an exceptional yield that comfortably satisfies peak consumer demand. Finished water is directed into an above-grade, welded steel storage tank with a total capacity of 150,000 gallons (34-foot diameter and 24-foot height). This storage volume ensures consistent domestic distribution pressures across all serviced elevations and provides robust emergency reserves for fire protection services.

2. State Engineering Approval & Capacity Assessment

Following a rigorous technical, managerial, and financial evaluation, the Colorado Department of Public Health and Environment (CDPHE) Water Quality Control Division (under ES Project No. ES.21.DWDR.05968) issued its formal engineering approval. The state confirmed that the Mesa Ridge Water System design meets or exceeds all requirements set forth in the New Public Water System Capacity Planning Manual and the State of Colorado Design Criteria for Potable Water Systems.

This validation confirms that our water system possesses the structural design and systemic backing required to ensure secure, long-term operational sustainability.

3. Treatment Specifications & Operational Monitoring

Disinfection and quality controls are managed through automated infrastructure inside our Chemical Feed Building. Raw groundwater undergoes chemical treatment using a sodium hypochlorite metering pump system with a 4-function valve, a 55-gallon solution feed tank, and a 55-gallon secondary containment sump. To maintain exact calibration and dosing accuracy, the chlorine dosing pump is electrically interlocked with the well controls.

Operational oversight is provided by a certified professional, Eric Hassel, who holds a Class C Water Treatment Operator Certificate (No. 16142).

Standard Operating & Quality Maintenance Procedures:

- **Weekly Testing Protocols:** Operators record master meter consumption and measure chlorine residuals at the Chemical Feed Building and Entry Point to confirm that a protective residual of at least 0.2 ppm is consistently maintained.
- **Independent Laboratory Testing:** Water samples are regularly dropped off at state-certified independent facilities—specifically Green Analytical and La Plata County Public Health—for detailed microbiological verification.
- **Cross-Connection Prevention:** To safeguard the main distribution grid from secondary hazards, our Cross Connection Control Program mandates that all backflow prevention assemblies be tested annually by a certified technician, with maintenance records retained for three years.

4. Ongoing Stewardship and Contact Information

Mesa Ridge Water Company remains committed to thorough preventative maintenance, including annual system valve exercising and fire hydrant inspections. We encourage all residents to consult our official publications and direct any operational or technical inquiries directly to Mesa Ridge Water Company.

Eric Hassel

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