

Water Supply Division

43234 Edwards Ferry Road NE
Leesburg VA 20176
703-737-7110

Hours of Operation

24 hours / day
7 days / week

After Hours Emergencies:

Call 703-771-4500

The Water Supply Division (WSD) is responsible for the safe and efficient operation of the Town's Kenneth B. Rollins Water Treatment Plant (WTP), one well, five water storage tanks, and four water booster stations.

The division's goal is to produce aesthetically pleasing and chemically pure water that meets water quality standards established by the Safe Drinking Water Act in sufficient quantity to meet the citizens' needs and to ensure an adequate supply for fire protection.

The Kenneth B. Rollins WTP has a design capacity of 12.5 million gallons per day (MGD) of water and is located east of Town on Edwards Ferry Road along the Potomac River.

The WSD also operates a state certified micro-testing laboratory which continuously monitors water quality leaving the WTP and provides testing services for community clients. Additional details of WTP operations and laboratory testing results are available in the Town's most recent water quality report.



Operations Facility – There are over 235 miles of water mains beneath the ground in Leesburg, mostly under the pavement. The water mains carry water to homes and businesses from the Kenneth B. Rollins Water Treatment Plant and one groundwater well. There are currently five water storage tanks, (Carr Tank #1, Carr Tank #2, Hospital Tank, Hogback Mountain Tank, and Sycolin Tank) that maintain a reserve of eight million gallons of water for domestic and fire protection needs. There are four water booster stations that aid in filling the tanks and help maintain adequate pressures and flows within the pipe network of four separate pressure zones. Leesburg's water mains range in size from 4 inches to 24 inches in diameter, and there are 9,650 valves which are used to shut off water flow when repairs are needed or when new water mains are added to the network. Homes and businesses are protected from fire with 2,800 fire hydrants distributed throughout the Town and some homes and businesses are additionally protected through internal fire sprinkler systems tied to the Town's water pipe network.

Operations and System Upgrades

- Expansion and upgrade of the Water Treatment Plant to 12.5 MGD was completed in July 2008 at a cost of approximately \$19.5 million.
- The Town's 2010-2014 Capital Improvements Program (CIP) brought 2 new elevated water storage tanks (Carr Tank #2 and Sycolin Tank) into the system boosting available water storage to 8 million gallons.
- The Town's 2011-2015 CIP included recoating the interior of an existing elevated water storage tank (Hogback Mountain Tank) and modifying its water inlet and outlet pipes to improve water turnover rate and avoid water stagnation.

Tanks



Carr Tanks 1 & 2 (Combined Capacity: 3.0 Million Gallons)

Hogback Mountain Tank (2.0 Million Gallons)

Sycolin Tank (1.5 Million Gallons)