

Water Pollution Control Division

1385 Russell Branch Parkway SE
Leesburg VA 20175-4732
703-737-7100

Hours of Operation

24 hours / day
7 days / week

After Hours Emergencies:

Call 703-771-4500

The Water Pollution Control Division (WPCD) is responsible for the safe and efficient treatment of wastewater generated within the Leesburg service area and the subsequent stabilization and disposal of the solid wastes produced to ensure the protection of public health and the environment.

The Town's Water Pollution Control Facility (WPCF) treats sewage at a rate of 7.5 million gallons per day and is located off of Route 7 on the eastern edge of Town.

The WPCD operates a state certified testing laboratory which analyzes the liquid and solid treatments leaving the facility daily and files monthly Municipal Discharge Monitoring Summary Reports with the VA DEQ. The WPCD also monitors and operates ten pump stations within the Town's service area.



Operations Facility – There are 185 miles of sanitary sewer mains beneath the ground in Leesburg, mostly under the pavement. The sanitary sewer mains carry wastewater from homes or businesses to the Water Pollution Control Facility for treatment. Leesburg's sewers range in size from 4 inches to 36 inches in diameter while connecting and changing direction at 5,550 different manholes which are located in the streets and easements.

Operations Facility Upgrades

- In 2001, the Town completed a \$6.5 million grant-funded nutrient removal upgrade of the Water Pollution Control Facility.
- In January 2002, construction was completed on an \$11 million Biosolids Processing Facility for pelletizing sludge. This was the first dryer of its type approved in the Commonwealth of Virginia. The pelletized biosolids, product named Tuscarora Landscaper's Choice (TLC), is distributed commercially and at an established delivery charge, but is free to Leesburg Utility customers.
- In 2008, the WPCF was expanded to a capacity of 7.5 MGD average flow and was constructed with future capabilities to facilitate an expansion to 10 MGD average flow.

Pump Stations

In most situations piped wastewater is routed along waterways using the natural fall of the ground. This is called a "gravity feed system". Occasionally in low lying areas, gravity feed cannot be achieved and use of a pump station is necessary. A pump station uses pumps and a forcemain pipe to convey wastewater to a higher elevation manhole where the gravity system receives and directs the wastewater flow to the Water Pollution Control Facility. Pump stations are also referred to as lift stations. The Town currently operates 10 pump stations and maintains 13 miles of forcemain pipe.

