

# VALVES: Types, Installation, Operation & Maintenance

Valves are a crucial asset to maintain control over the distribution system. Properly functioning valves are critical to a utility's operation. This course will provide in-depth instruction of all aspects of the various distribution valves including styles, operation, issues, maintenance, and installation. The discussion will include gate valves, butterfly valves, and check valves.

**Lunch will be provided compliments of Mueller Water Products!**

---

8:00-8:30	<b>Check – In</b>
8:30-9:30	<b>Gate Valve Instruction</b> Gate valve overview – styles Operation of valves - comparing different styles, turns, opening direction and uses of gate valves.
9:30-9:45	<b>Break</b>
9:45-10:45	<b>Gate Valve Instruction</b> Valve requirements under WQAA Complying with the WQAA: Proper inspections & valve exercising programs.
10:45-11:00	<b>Break</b>
11:00-12:00	<b>Gate Valve Instruction</b> Installation, restraint, corrosion, issues & resources Valve maintenance vs. repair: Step by step Repair demo.
12:00-12:30	<b>Lunch</b>
12:30-1:30	<b>Butterfly Valve and Check Valve Instruction</b> Butterfly valve overview. Check valve overview.
1:30	<b>Concluding paperwork and adjourn.</b>

---

**Instructor:** Andy Clauhs, Mueller Water Products

**November 7th, 2024** - Mount Olive Twp Council Chambers, 204 Flanders-Drakestown Rd. Flanders (Morris County)

**4.0 Water and Wastewater TCHs**, Course Number: **04-122002-30**

**4.0 Technical credits for CPWM**, Course Number: **DLGS-NJWA-208**

**Registration is required and available at**  
**[www.njwater.org](http://www.njwater.org)**

**Please plan to arrive at 8:00 am.**  
**No more that 4 registrants per Utility**

