

Across

1. **TWENTYFOUR**—Intense television series, and/or number of hours water utilities operate in a day.
3. **FLUSHING**—Annual distribution system maintenance, and/or something most of us do several times a day, as necessary, demanding another important water profession.
4. **WATER FOR PEOPLE**—Nonprofit international development organization that helps people in developing countries improve their water supplies.
7. **THIRTY FIVE**—Age limit to be considered a AWWA young professional
11. **HIGHLANDS**—North Jersey Protected Watershed in Northern New Jersey.
13. **INORGANIC**—The opposite of the latest food fad, and/or materials such as sand, salt, iron, calcium, and other minerals.
14. **ROUND VALLEY**—Deepest Reservoir in New Jersey
18. **WATERSHED**—A liquid ice outbuilding?, a place to store your watertools?
21. **JERRY NOTTE**—2007 New Jersey Fuller Awardee
24. **WATERHAMMER**—NJAWWA's awesome Rock Band
25. **CORROSION**—The deterioration of material by chemical reaction.
27. **CAVITATION**—Spontaneous vaporization of fluid resulting in a degradation of pump performance.
29. **CAPE MAY**—Location for first Desalination Plant in New Jersey.
30. **BREAKTHROUGH**—The point at which a filter begins to release particulate matter into the effluent.
32. **MUDBALLS**—Produced in 1) Futball/football games played in heavy rain on a dirt field, or 2) sand filters.
34. **BACKWASH**—That last 1/2" of fluid in a bottle you've been drinking from, and/or the reversal of flow through a filter to remove the material trapped on the between the grains of filter media.
37. **BOTTLED**—Good for wine, beer, even soda, but water???? Naah, Tap Water is better.
39. **CHLORINATOR**—A device used to feed gaseous chlorine.
40. **SUBMERGENCE**—The distance between the water surface and the media surface in a filter
41. **DIVERSION**—A ruckus created to distract attention, and/or withdrawal of water from an aquifer.
42. **MENISCUS**—The curved top of a column of water in a small tube, generally forming a valley (with water).
43. **LAUNDERING**—Cleaning one's clothes, and/or sedimentation basin overflow weir.

Down

2. **TURN AROUND TIME**—When dealing with a laboratory, what would the letters "TAT" mean to you, as far as waiting for results?
3. **FOOTVALVE**—A tupe of check valve installed at the intake of a suction line to allow water in, and automatically closing to prevent backflow.
5. **ATRAZINE**—3 (three) ppb is the Maximum Contaminant Level (MCL) for this especially nasty Synthetic Organic Compound.
6. **JOGGING**—Some use it for weight loss, others for the frequent starting and stopping of an electric motor.
8. **TON**—A large quantity of money, and/or the greatest dilution of a sample with odor-free water that still yields a just-detectable odor.
9. **FLOCCULATION**—The gathering together of fine particles after coagulation to form larger particles through gentle mixing.
10. **NJDEP**—The State regulatory body governing drinking water issues.
12. **DRAWDOWN**—Lowering of the water table level of an unconfined aquifer by pumping of wells.

15. **VSWs**—License class issued for very small water systems.
16. **ALKALINITY**—Measure of the ability of water to neutralize acids
17. **BREAKPOINT**—People (especially our children) can push us to this, and/or the point at which chlorine demand has been satisfied.
19. **EIGHT INCH**—Minimum diameter for new water mains by NJDEP standards.
20. **ORTHOPHOSPHATE**—This chemical can be used in corrosion control treatment when the water shows excessive copper levels.
22. **HEAD**—We try to keep it straight at the top of our body, and/or the measure of water energy.
23. **MEG**—Nickname for actress Ryan, and/or a procedure used for checking the insulation resistance on motors, and electrical wiring.
26. **IMPELLER**—A rotating component of a pump, which transfers energy from the motor that drives the pump to the fluid.
28. **MEDIA**—While this can be left or right biased, and some blame this for only highlighting the "dirt", water utilities use it for its ability to remove "dirt".
31. **HAA**—Haloacetic Acid
33. **LANGELIER**—Index reflecting the equilibrium pH of water with respect to calcium and alkalinity.
35. **KILO**—Or Prefix meaning "thousand" in the metric system and other scientific systems of measurement.
36. **AQUEDUCT**—Jersey City and the Romans, amongst others, built these to move their water from here to there.
38. **TEN FEET**—Horizontal distance required between water main and sewer main.