



Paul Masaba,  
MD, MPH & TM  
Director of Public Health

**SOMERSET COUNTY DEPARTMENT OF HEALTH  
COUNTY ENVIRONMENTAL HEALTH ACT PROGRAM**

COURT HOUSE SQUARE III  
27 Warren Street  
P.O. Box 3000  
Somerville, New Jersey 08876-1262  
(908) 231-7155  
Fax - (908) 704-8042  
[healthdept@co.somerset.nj.us](mailto:healthdept@co.somerset.nj.us)

Dawn M. Prandi, REHS  
Environmental Health Coordinator

Mark Roskein  
Public Health Inspector

Lynn Rodriguez, REHS  
Public Health Inspector

Gregory Guttadora, REHS  
Public Health Inspector

**Types of Water Tanks**

Hydro pneumatic tanks: Compressed air is used as a cushion that allows a smooth delivery process. There are three functions for hydro pneumatic tanks; water is delivered in a set pressure range, which also prevents pump overuse, and protects the well system from pressure surges.

With bladders - A rubber bladder inside the tank keeps water and air separate. This prevents water from absorbing air in which air doesn't have to be added into your well system.



Example: Tank with internal bladder

Without bladders – There is no bladder inside the tank that separates the air charge and water charge pressure. Usually these tanks have a mounted air volume control.



Example: Tanks without internal bladder

Standpipe: Can be ground-level water storage tanks that can be built to virtually any capacity and dimension. Standpipe tanks are built with a greater height than diameter.



Underground, large water tanks: Often present in older well systems and commonly found in a well vault or pit.

