

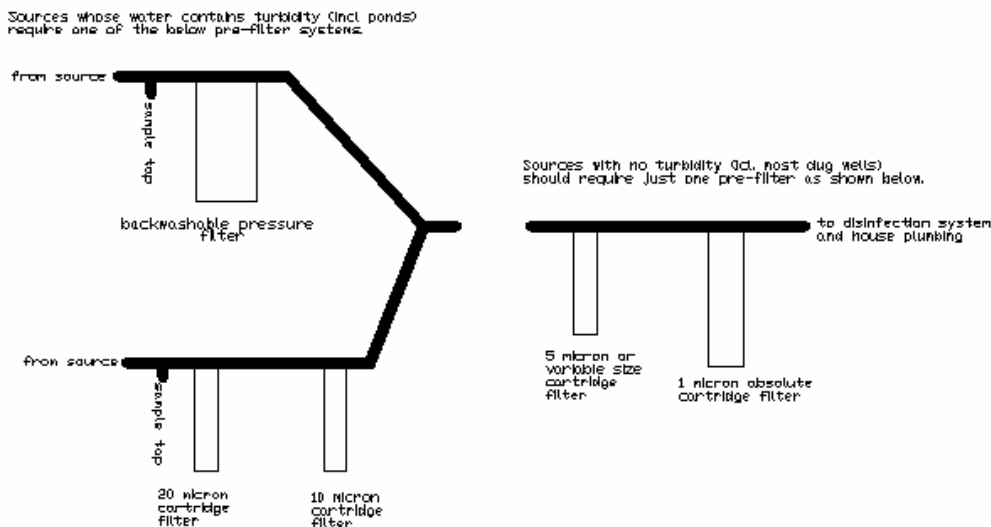
# CHAUTAUQUA COUNTY HEALTH DEPARTMENT PRIVATE DRINKING WATER STANDARD FOR PARTICLE FILTRATION.

**This system is intended for use in private homes that use a pond, spring or dug well subject to surface contamination. **\*\* IMPORTANT\*\*** Plans and filter specifications **MUST BE SUBMITTED** to CCDOH **BEFORE INSTALLING** a filtration system.**

**Note to installer: you must certify that ALL steps below have been completed by placing a check mark in each box, signing this form and returning it to the Chautauqua County Health Department.**

1. Plans submitted and approved by Chautauqua County Health Department.
2. Pre-filter: Required for all sources. Type of pre-filtration is dictated by the water quality of the source. The more turbid (cloudy) the source, the more pre-filtration that is needed.
  - a) Pond source – must use two or three 20" fiber cartridge filters in series or a backwashable pressure filter followed by one cartridge filter.
  - b) Spring or dug well – must use one or two cartridge filters (10" fiber filters if no sediment is present in water, otherwise must use 20" filters) or a backwashable pressure filter.
  - c) The last cartridge filter must be either a 1 micron, 5 micron or a variable rate (10 to 1 micron) fiber filter.
3. Final filter: A 1 micron **absolute** cartridge filter that is NSF approved for drinking water is required. The filter housing must have a no. 226 connection using locking tabs or wings nuts (standard in pharmaceutical and wine industry). These filter housings are usually stainless steel. The filter must be sized based on the maximum flow rate of the pump (most 1/2 h.p. submersible pumps 10 to 15 gpm, while shallow well jet pumps 5 to 10 gpm).
4. Spare cartridge filters must be kept on site.
5. Disinfection: Either a continuous feed chlorinator or an ultraviolet light system must be installed after the filters. Refer to applicable CCDOH standard on disinfection.
6. Softener (if used) must be plumbed after disinfection.
7. Raw water sample tap must be installed before filtration.
8. Owner must be provided with maintenance instructions and all manufacturer's literature.

## Particle Filtration Schematic



Filter system Installed by: \_\_\_\_\_

Company

Name of installer

Date

Telephone