## Water Treatment Table

## Legend

٠	Preferred treatment

- Possible treatment
- Point of Entry (POET) Е
- U Point of Use (POU)

This table can help you choose a water treatment method based on the contaminants in your water. More than one treatment option will work for most contaminants. Treatments marked as preferred (•) in the table are best for that specific contaminant, and treatments marked as possible (•) may not remove as much as the contaminant. Treatments may attach at your water system's point of entry (E) or point of use (U). Choose the treatment that will effectively target all the contaminants in your water system.

Click on the links in the table for more information about a contaminant or treatment option.

If you have questions, contact the Drinking Water Program at AHS.VDHDrinkingWaterProgram@vermont.gov

	<u>Arsenic<sup>1</sup></u>	<u>Bacteria</u>	<u>Chloride</u>	<u>Copper</u>	Fluoride	<u>Gross</u> <u>Alpha</u> <u>Radiation<sup>2</sup></u>	<u>Hydrogen</u> <u>Sulfide</u>	<u>Iron</u>	<u>Lead</u>	<u>Manganese</u>	<u>Nitrate</u>	Odor <sup>3</sup>	<u>Radon</u>	<u>Radium</u>	<u>Sodium</u>	<u>Uranium</u>	<u>PFAS</u> 4
<u>Adsorptive Media</u>	• EU				• EU							• E	• E				
<u>Aeration</u>							• E										
Anion Exchange	• E		۰E		• E						۰E					۰E	
Carbon Filtration							• E		• U			• E	∘EU				• EU4
Chlorine Injection		• E					• E					• E					
<b>Distillation</b>	٥U		٥U	٥U	٥U			٥U	٥U	٥U	٥U				٥U		
Oxidation/Filtration	∘EU						• E	• E		• EU							
<u>pH Neutralization</u>				• E					• E								
<u>Reverse Osmosis<sup>5</sup></u>	• U		• EU	• U	• U	• U			• U	• U	• U	• U		• U	• EU	• U	∘Џ6
Shock Chlorination		• E					• E					٥E					
UV Disinfection		• E										۰E					
Water Softener				۰E		∘EU²		• E		• E				• E			

<sup>&</sup>lt;sup>1</sup> The species of arsenic may affect the efficiency of treatment.

<sup>&</sup>lt;sup>2</sup> Gross alpha treatment will depend on the source of radiation, i.e. uranium or radium.

<sup>&</sup>lt;sup>3</sup> The source of odor will affect which treatment works best.

<sup>&</sup>lt;sup>4</sup> For more information on PFAS treatment using carbon, visit <u>www.HealthVermont.gov/environment/drinking-water/treating-pfas-drinking-water</u>

<sup>&</sup>lt;sup>5</sup> Point of use reverse osmosis is preferred in almost all cases but point of entry and whole home treatment is possible.

<sup>&</sup>lt;sup>6</sup> Using a reverse osmosis system to treat PFAS by itself is not a preferred option in Vermont and requires a permit from the Department of Environmental Conservation. Note that permits are not always accepted, and the permitting process may be resource intensive. Call 802-828-1535 for more information.