

Technology Fact Sheet

Household Water Treatment and safe Storage (HWTS)ⁱ

1) Technology description

- Widely used with traditional methods like boiling water to modern technologies such as disinfecting drinking water by ultraviolet, RO filtration, or chemical disinfection, etc. and safely storage (sanitized bottlers or tanks).
- Marketed with a wide range of treatment equipment, filters or safe storage equipment for households. Purified water, bottled sterilized mineral water are highly commercialized.

2) Socio-economic benefits

- Increasing drinking water and improving life quality.
- Cutting costs in treating supply water.
- Helping to market fresh, purified water.

3) Environmental benefits

Preventing the public from outbreaks of epidemic diseases.

4) Status of technology

- The traditional approaches have been widely applied, the modern methods have been commercialized for many kinds of devices.

5) Application potential

Can be applied in households and in production.

6) Barrier

Lack of awareness in sanitation in rural or remote areas.

7) Costs

Implementation and technology application costs

- The cost for deploying technology depends on the method of application and application scale of technology.

Incremental costs to adapt to climate change (compared to conventional technology)

- It depends on design costs, change of specifications, replacement of the drain devices such as filters.
- The cost of training, raising awareness of the community.

ⁱ **This fact sheet has been extracted from TNA Report - Adaptation for Vietnam. You can access the complete report from the TNA project website <http://tech-action.org/>**