

Technology Fact Sheet

Safe water supply plansⁱ

1) Technology description

- Technical procedures of this technology have been completed, including: systematic assessment, observation and management of water sources.
- In 2006, Vietnam carried out pilot projects of safe water supply and capacity building activities such as staffing, guiding, monitoring and implementing the plan and roadmap to safe supply; studying how to incorporate the plan into existing programs and projects; raising public awareness on safe water supply.

2) Socio-economic benefits

- Helping water supply entities to flexibly cope with changes in water quality.
- Supporting the development of sustainable water extraction plan of water supply entities.
- Preventing risks of water-borne epidemics.

3) Environmental benefits

- Helping to control toxic substances which make it more vulnerable to climate change.
- Restoring polluted water.

4) Status of technology

- In 2006, Vietnam has built a pilot water safety plan and organize training in a few localities. In 2011, Ho Chi Minh City has implemented water safety plans include all team events, guide, inspect, supervise and implement the roadmap plan and safe water supply; integrated study of water safety plans in programs, plans and projects already underway, building advocacy programs to raise awareness of water safety.

5) Application potential

A new, underdeveloped technology which lacks of full assessment and needs testing to assess its potentiality.

6) Barriers

- Water supply entities' capacity and infrastructure is limited.
- Low awareness of water managers on water quality importance to public health.
- Weak coordination between sectors and sub-sectors.
- Increased costs for technology transformation, monitoring and management.
- Can not duplicate the safe water supply plan because it is very peculiar to a particular system.

7) Costs

Implementation and technology application costs

- It depends on training costs, training, transfer, and equipment changes.

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

- Up to now, there is not enough information to evaluate.

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/>**