

Template iWSSP Step 3 – Control measures

A **control measure** is any action and activity that can be used to prevent, eliminate or reduce the risk of a hazardous event to an acceptable level.

In this step the iWSSP team lists existing control measures and validates their effectiveness.

EXAMPLES OF CONTROL MEASURES

Sanitation:

- Technical standards on material, dimensions and location of toilets
- Training of masons for correct installation of toilets (e.g. water seal)
- Use of personal protective equipment (e.g. gloves, masks, enclosed waterproof footwear)
- Standard operating procedures for general handling precautions
- Installation of sealed and impermeable septic tanks
- Sewer systems (simplified sewer, solids-free sewer and conventional gravity sewer)
- Improved treatment plant performance – linked to improvement plans to upgrade plant
- Liquid effluent standards; guidelines on control of nuisances (odors, flies, noise) from treatment facility
- Co-treatment of faecal sludge in existing wastewater treatment
- Education and behavior change campaign with local community

Drinking water:

- Restricted access to catchments
- Industrial effluent standards and volume controls
- Validated treatment processes
- Purchasing policy and procedure
- Pressure monitoring and recording
- Consumer education
- Fencing stock from catchment stream and watercourses
- Cessation of source water abstraction during high contamination periods (e.g. storms)
- Trained staff (operator competency)
- Continuous monitoring of intake and river

Both drinking water and sanitation:

- Registration of on-site facilities and small drinking-water supplies
- Consideration of climate change and climate variability

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Date: _____

Version: _____

Sanitation or water supply system	Sanitation or water supply step	Exposure group	What can go wrong? Hazardous event	Hazardous event number	Existing control measure(s)	Is this event under control?			
						Yes	Somewhat	No	Validation notes