

# Piloting Sanitation Safety Planning (SSP) for Safely-Managed Sanitation Systems in the Philippines

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# Pilot SSP in the Philippines



Baliwag Water District, a water utility company  
40 m<sup>3</sup>/day Septage Treatment Plant

~ 20,000 households being served by a septage management program (desludging once every 5 years)

~ informal use of treated effluent for irrigation

~ direct use of dried bio-solids to agricultural crops

Scope of the SSP – BWD Sanitation Chain:



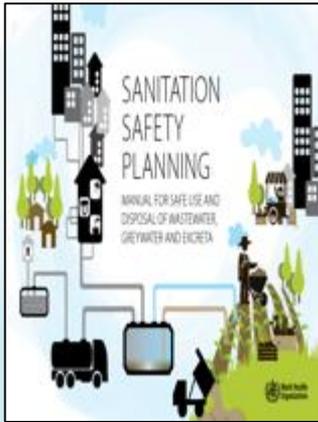
# Implementing SSP



Risks identified during SSP development	Improvement Plans implemented by BWD
Health concerns on direct use of effluent as irrigation	Crop restriction (non-food crops & crops that have to be cooked)
Health concerns on direct use of dried bio-solids to vegetable (lettuce, mustard)	<ul style="list-style-type: none"> <li>• Implemented composting (for stabilization)</li> <li>• Improved farmers' hygiene practices</li> </ul>
Lack of information on potential health hazards while handling septage and bio-solids	Use of PPEs and intensive information, education campaigns on proper handling of bio-solids and washing of crops



# Developing new SSP models



Through WHO project (March to October 2017)



SSP application city-wide by LGU both for sewerred, un-sewerred areas; including use of recycled STP effluent to city's parks and landscaping

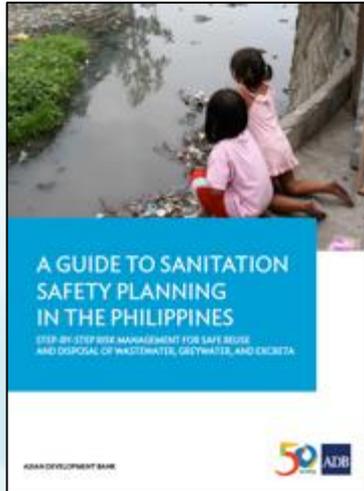


Untreated greywater received by beach and coastal environment



Recycled STP effluent in university buildings

# SSP for ADB Sanitation Projects



ADB guidebook on SSP developed through an ADB-WHO pilot project in 2014

SSP as valuable software component for sustainability of increasing investments on sanitation

- Risk management
- Maximizing impacts and benefits



## Future SSP activities (next 5 years)

- Assistance to national government guidelines on SSP development and implementation
- Scale up of capacity building on SSP
  - Guideline to review and approval of SSPs
  - Develop national master trainers of SSP including possible accreditation of training institutions
- Develop health-based standards for SSP verification
- Philippines – as a regional champion for SSP development in the Western Pacific Region

6 CLEAN WATER AND SANITATION



# SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD



# THANK YOU!