

WATER AND SANITATION SAFETY PLANNING APPROACH AND THE WECF COMPENDIUM

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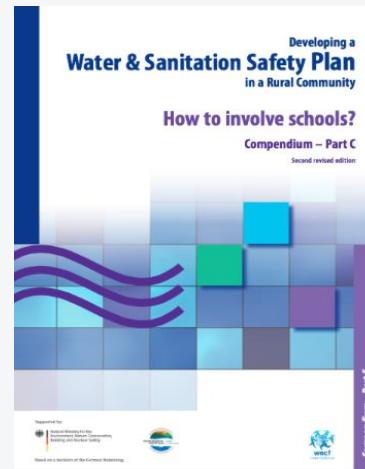
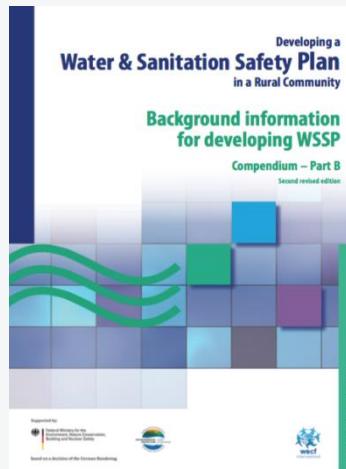
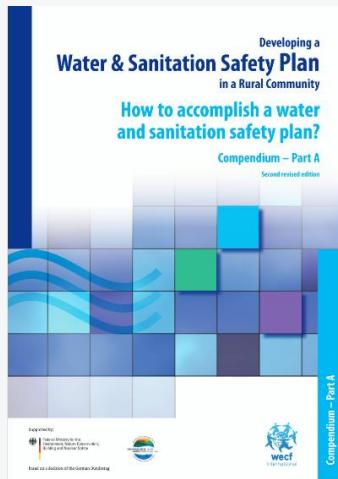
WSSP Compendium 2016

- In English, Macedonian, Romanian, Albanian, Bulgarian

Part A: How to accomplish a Water and Sanitation Safety Plan? - 8 modules

Part B: Background information for developing WSSP – 9 modules

Part C: How to involve schools - 7 modules



Background information

- **What is a Water Safety Plan (WSP)?**
- How to ensure the safe supply of drinking water by:
 - Knowledge and documentation of the entire supply system
 - Identify where and how issues could arise
 - Construction of barriers and management systems to stop problems before they arise - **ANTICIPATION**
 - Ensure that all system components are working properly.



Field study – Mănăștiur

Scope: development of WSP for the centralized drinking water supply in Mănăștiur, Timiș County

General description

- 4 Villages: Mănăștiur, Pădurani, Remetea Luncă, Topla
- Located in Lugoj Plain, Lipova Plateau, on the upper Bega River
- 1.689 inhabitants (2012)
- 629 households: 629 (2012).



Coordinates: 45°52'45"N, 22°03'19"E



Mănăștiur Village Hall



Field study – Mănăștiur

Photo documentation

- Water work



- Street taps



Conclusions – Mănaștiur

CATCHMENT	TREATMENT	DISTRIBUTION NETWORK	CONSUMER'S TAP
Risk score (m) = 20 (VH) Risk score (c) = 12 (H)	Risk score (m) = 20 (VH) Risk score (c) = 9 (M)	Risk score (m) = ? (?) Risk score (c) = 9 (M)	Risk score (m) = ? (?) Risk score (c) = 9 (M)

- Immediate measures to control the microbiological risk and to control the free residual disinfectant have to be taken
- Technical assistance on the process of water treatment is recommended , especially by the Regional Operating Company (ROC), e.g. Aquatim
- Displaying work instructions for operating the treatment plant, and periodic checks
- Regular training of staff
- Daily checking of free residual chlorine (with rapid kits, e.g. Merck – Chlorine test, catalog no. 114801, range of concentrations 0,1-2mg/l Cl₂) and adjustment of the disinfectant dose, if necessary
- Turning wastewater treatment plant
- Restricting grazing areas so that animals no longer exist in the catchment area
- Communication and cooperation with all stakeholders in the catchment.

