

Decentralised Wastewater Treatment Systems (DEWATS) and Sanitation in Developing Countries



A Practical Guide

Editors: Andreas Ulrich, Stefan Reuter
and Bernd Gutterer

Authors: Bernd Gutterer, Ludwig Sasse,
Thilo Panzerbieter and Thorsten Reckerzügel



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Please note that views expressed in this publication are not necessarily those of WEDC, Loughborough University.

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WEDC is one of the world's leading education and research institutes for
for developing knowledge and capacity in water and sanitation for low- and
middle-income countries. Education and training programmes at postgraduate-
level include Water and Waste Engineering and Water and Environmental
Management.

WEDC research and consultancy is directed towards the study of aspects
of infrastructure and services (especially related to water and sanitation) in
low- and middle-income countries.

BORDA was founded in 1977 in Bremen Germany as a non-profit professional
organisation with the goal of developing new methods of using renewable
energy to alleviate poverty and, through the implementation of development pro-
grammes, to improve the living conditions and social structures in disadvantaged
communities abroad.

Unlike other organisations, in the struggle against poverty BORDA focuses on
the facilitation of basic needs services in the sectors of water, wastewater, solid
waste and energy. To achieve this, partner structures, with the participation of all
stakeholders, are advised and assisted in the establishment and organisation of
innovative basic needs services (BNS); this occurs during all phases of planning
and construction up to the stages of operation and maintenance.

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- Thilo Panzerbieter Sections 11.1–11.3
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