1. Record Nr. UNINA9910309959503321

Titolo	Rainwater tank systems for urban water supply : design, yield, energy, health risks, economics and social perceptions / / edited by Ashok K. Sharma, Donald Begbie and Ted Gardner
Pubbl/distr/stampa	London, [England] : , : IWA Publishing, , 2015 ©2015
ISBN	1-78040-536-7
Descrizione fisica	1 online resource (300 p.)
Disciplina	628.142
Soggetti	Water harvesting Rainwater Tanks Cisterns Municipal water supply Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	""Cover""; ""Copyright""; ""Contents""; ""Editors""; ""List of Authors""; ""Foreword""; ""Preface""; ""Editorial""; ""Chapter 1: Rainwater harvesting systems for urban developments""; ""1.1 Introduction""; ""1.2 International Experiences with Rainwater Harvesting Systems""; ""1.3 The Australian Experience with Rainwater Tank Systems""; ""1.4 Key Issues for Greater Uptake of Rainwater Tank Systems""; ""1.4.1 Estimating rainwater system yield and mains water savings""; ""1.4.2 Understanding the risks associated with rainwater quality""; ""1.4.3 Guidelines for managing risks of rainwater use"" ""1.4.4 Evaluating the cost-effectiveness of rainwater tanks""""1.4.5 Understanding the indirect costs and benefits of rainwater tanks (externalities)""; ""1.4.6 Impact of rainwater systems on stormwater flows and nutrient loads""; ""1.4.7 Impact of rainwater tank systems on centralised water systems and water quality""; ""1.4.8 Energy consumption in rainwater tank systems""; ""1.5 Conclusions""; ""1.6

References""; ""Chapter 2: Rainwater tank modelling""; ""2.1 Introduction""; ""2.2 General Concepts Underlying A Rain Water Tank Model""; ""2.3 Aspects of Some Existing Rain Water Tank Models"" ""2.3.1 Time-step and climate data inputs""""""2.3.2 Water demand data inputs""; ""2.3.3 Roof runoff modelling""; ""2.3.4 Tank water balance configurations""; ""2.3.5 Model outputs""; ""2.4 Influence of Different Variables in the Tank Simulation""; ""2.4.1 Time-step and spill rule""; ""2.4.2 Roof area""; ""2.4.3 Tank size""; ""2.4.4 Demand""; ""2.4.5 Initial and continuing losses""; ""2.4.6 Simulation length""; ""2.4.7 Validation""; ""2.5 Upscaling of Rainwater Tank Behaviour to Multiple Tanks""; ""2.6 Conclusions""; ""2.7 References""
""Chapter 3: Quantifying mains water savings from residential rainwater tanks""""""3.1 Introduction""; ""3.1.1 Why quantify mains water savings?""; ""3.1.2 Previous studies on mains water savings""; ""3.1.3 Chapter objectives and scope""; ""3.2 Case Study 1 - Desktop Analysis of Mains Water Savings""; ""3.2.1 Background""; ""3.2.2 Methods""; ""3.2.3 Results""; ""3.2.4 Discussion and implications""; ""3.2.5 Limitations of Case Study 1""; ""3.2.6 Concluding remarks""; ""3.3 Case Study 2 - Benchmark Analysis of Mains Water Savings""; ""3.3.1 Background""; ""3.3.2 Research aims""; ""3.3.3 Methods""
""3.3.4 Results and discussion""""""3.3.5 Challenges and limitations""; ""3.3.6 Concluding remarks""; ""3.4 Case Study 3 - Water Savings from Rebated Rainwater Tanks""; ""3.4.1 Background""; ""3.4.2 Methods""; ""3.4.3 Mains water savings results""; ""3.4.4 Interpretation and implications""; ""3.4.5 Challenges and limitations""; ""3.4.6 Concluding remarks""; ""3.5 Key Considerations in Quantifying Mains Savings""; ""3.5.1 Quality of the datasets""; ""3.5.2 Mixed method and analyses""; ""3.5.3 Sample size v quality of datasets""; ""3.6 Summary and Conclusions""; ""3.7 References""
""Chapter 4: Monitoring of household rainwater tank systems for rainwater usage""

Sommario/riassunto

Rainwater tank systems have been widely adopted across the world to provide a safe local source of water in underdeveloped rural areas, and as a substitution for mains water for non potable end uses in water stressed urban areas. They also provide flood control in monsoonal climates like Korea or in combined sewer systems like in Germany. The importance of these systems in cities has grown, as water managers seek to provide a range of decentralised solutions to supply constraints of current water supply systems, whilst reducing the impact of urban development on the natural environment, and increasing resilience to climate change. Rainwater Tank Systems for Urban Water Supply is based on a comprehensive, multi-million dollar research program that was undertaken in South East Queensland (SEQ) Australia in response to the Millennium drought when the water supply level in the regions drinking water dams dropped to 17% in July 2007 and the area came close to running out of water.

2. Record Nr. UNINA9910704769703321

Titolo	Benghazi : exposing failure and recognizing courage : hearing before the Committee on Oversight and Government Reform, House of Representatives, One Hundred Thirteenth Congress, first session, May 8, 2013
Pubbl/distr/stampa	Washington : , : U.S. Government Printing Office, , 2013
Descrizione fisica	1 online resource (iii, 126 pages) : illustrations
Soggetti	Benghazi Consulate Attack, Banghazi, Libya, 2012 Diplomatic and consular service, American - Buildings - Security measures - Libya - Banghazi
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on July 29, 2013). Paper version available for sale by the Superintendent of Documents, U. S. Government Printing Office. "Serial no. 113-30."
Nota di bibliografia	Includes bibliographical references.