1. Record Nr. UNINA9910450840003321 Autore Seneviratne Mohan Titolo A practical approach to water conservation for commercial and industrial facilities [[electronic resource] /] / Mohan Seneviratne Amsterdam; Boston, Elsevier/Butterworth-Heinemann, 2007 Pubbl/distr/stampa **ISBN** 1-281-02393-0 9786611023935 0-08-052506-7 Edizione [1st ed.] Descrizione fisica 1 online resource (401 p.) Disciplina 333.912316 Soggetti Water conservation Industrial water supply Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Cover; Copyright Page: Table of Contents; Foreword; About the Author; Acknowledgement; Chapter 1 Water Conservation - A Priority for Business; 1.1 Introduction; 1.2 Global Water Resources Availability; 1.3 Human Need for Safe Drinking Water and Proper Sanitation; 1.4 Meeting Agricultural Needs; 1.5 The Impact of Climate Change; 1.6 Business Sector Water Usage; 1.7 Nine Reasons for Business to Reduce Their Water Consumption; 1.8 Conclusion; References; Chapter 2 Basic Water Chemistry; 2.1 Overview; 2.2 Solubility Principles; 2.3 Common Substances Found in Water; 2.3.1 pH; 2.3.2 Dissolved Gases 2.3.2.1 Carbon dioxide and Alkalinity2.3.2.2 Oxygen (O2); 2.3.2.3 Ammonia (NH3); 2.3.2.4 Hydrogen Sulphide (H2S); 2.3.3 Dissolved lons; 2.3.3.1 Conductivity and Total Dissolved Solids; 2.3.3.2 Hardness, Calcium and Magnesium; 2.3.3.3 Chlorides; 2.3.3.4 Sodium; 2.3.3.5 Iron; 2.3.3.6 Manganese; 2.3.3.7 Silica; 2.3.3.8 Phosphate; 2.3.3.9

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Sommario/riassunto

Industry and commerce use vast amounts of water and in some parts of the world water is becoming a scarce commodity. We need to take more care in our future use of water, and this book is a 'best practice' manual for industrial and commercial users world-wide. It offers a practical account of the measures which can be taken to re-educate industrial and commercial users in the techniques of water saving and re-use anywhere in the world. The principles are covered in detail and supported by examples from specific industries and commercial operations. Author Mohan Seneviratne is Manager of Sydney