1. Record Nr. UNINA9910476786903321 Autore Sperling Marcos von **Titolo** Waste stabilisation ponds / / Marcos von Sperling, Department of Sanitary and Environmental Engineering, Federal University of Minas Gerais, Brazil London:,: IWA Publishing,, 2007 Pubbl/distr/stampa **ISBN** 1-68015-586-5 1-78040-210-4 Descrizione fisica 1 online resource (176 p.) Collana Biological wastewater treatment series; volume 3 Disciplina 628.351 Soggetti Sewage lagoons 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. ""Cover""; ""Copyright""; ""Contents""; ""Preface""; ""The author""; ""1. Nota di contenuto Overview of stabilisation ponds""; ""2. Facultative ponds""; ""2.1 Introduction""; ""2.2 Description of the process""; ""2.3 Influence of algae""; ""2.4 Influence of environmental conditions""; ""2.5 Design criteria""; ""2.6 Estimation of the effluent BOD concentration""; ""2.7 Pond arrangements"": ""2.8 Sludge accumulation"": ""2.9 Operational characteristics""; ""2.10 Polishing of pond effluents""; ""3. System of anaerobic ponds followed by facultative ponds""; ""3.1 Introduction""; ""3.2 Description of the process"" ""3.3 Design criteria for anaerobic ponds""""3.4 Estimation of the effluent BOD concentration from the anaerobic pond""; ""3.5 Design of facultative ponds following anaerobic pond""; ""3.6 Sludge accumulation in anaerobic ponds""; ""4. Facultative aerated lagoons""; ""4.1 Introduction""; ""4.2 Description of the process""; ""4.3 Design criteria""; ""4.4 Estimation of the effluent BOD concentration""; ""4.5 Oxygen requirements"; ""4.6 Aeration system""; ""4.7 Power requirements""; ""4.8 Sludge accumulation""; ""5. Complete-mix aerated lagoons followed by sedimentation ponds"" ""5.1 Introduction"""5.2 Description of the process""; ""5.3 Design

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