



Activated Sludge: Volume 1: Process Design and Control (Hardback)

By P. Grau

Technomic Publishing Co ,U.S., United States, 1998. Hardback. Book Condition: New. 2nd Revised edition. 243 x 153 mm. Language: English . Brand New Book. Contents: Process Theory Kinetics and Sludge Quality Control: Activated Sludge Process - Process Theory - Activated Sludge Separation Problems - References Activated Sludge Treatment of Municipal Wastewater U.S.A. Practice: General Approach - Clarifier Design - Aeration Tank (Reactor) Design - Appurtenance Design - Configurations - References European Practices: Introduction - Historical Perspective - Process Design - Models - Dynamic Models - Aeration Systems - Alternatives to the Main Types of Aeration Units - Secondary Settlement - Process Sequences - Instrumentation, Control, and Automation (ICA) - Some Other Process Variants - Future Trends - References Activated Sludge Treatment of Industrial Wastewater - Principles of Biological Oxidation - Acclimation of Biological Sludges - Kinetics of Organic Removal - Activated Sludge Effluent Variability - Bioinhibition of the Activated Sludge Process - Effect of Temperature - Sludge Quality Control - Stripping of Volatile Organics - Nitrification and Denitrification - Activated Sludge Processes - Treatment of Industrial Wastewaters in Municipal Activated Sludge Plants - Application of Powdered Activated Carbon (PACT)...



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