

Sludge Reduction Technologies in Wastewater Treatment Plants

Sludge Reduction Technologies in Wastewater Treatment Plants is a review of the sludge reduction techniques integrated in wastewater treatment plants with detailed chapters on the most promising and most widespread techniques. The aim of the book is to update the international community on the current status of knowledge and techniques in the field of sludge reduction. It will provide a comprehensive understanding of the following issues in sludge reduction:

- principles of sludge reduction techniques;
- process configurations;
- potential performance;
- advantages and drawbacks;
- economics and energy consumption.

This book will be essential reading for managers and technical staff of wastewater treatment plants as well as graduate students and post-graduate specialists.

CONTENTS

Introduction, Sludge Production In Full-Plants And Calculation Methods, Current Sludge Disposal Alternatives And Costs In Critical Areas, Principles Of Sludge Reduction Techniques Integrated In Wastewater Treatment Plants, Overview Of The Sludge Reduction Techniques Integrated In The Wastewater Handling Units, Overview Of The Sludge Reduction Techniques Integrated In The Sludge Handling Units, Procedures For Estimating The Efficiency Of Sludge Reduction Technologies, Biological Treatments, Mechanical Disintegration, Thermal Treatment, Chemical And Thermo-Chemical Treatment, Ozonation, Comparison Of Performance Of Sludge Reduction Techniques

Also available as part of your Water Intelligence Online subscription

Publication Date: 31/07/2010

ISBN13: 9781843392781

eISBN: 9781780401706

Pages: 380

Print:

Standard price: £112 / €140 / \$168

Member price: £84 / €105 / \$126

eBook:

Standard price: £0 / €0 / \$0

Member price: £0 / €0 / \$0

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