



Automation of Wastewater Treatment Facilities - MOP 21 (WEF Manual of Practice)

By Water Environment Federation

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The expert coverage you need to design automated wastewater systems

Especially written for design professionals, Automation of Wastewater Treatment Facilities discusses the selection of instruments, installation, sizing of control elements, and the best choice for controllers and computers for automated wastewater plants.

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Editorial Review

From the Back Cover

IMPROVE the efficiency of any wastewater treatment plant with new automation technology and the latest instrumentation

Designed to improve plant productivity and efficiency for increased competitiveness, this state-of-the-art WEF Manual of Practice fully examines the selection of instruments, controllers and computers, installation procedures, and sizing of final control elements.

Readers will find new chapters on the functionality of modern process control systems that explore the hardware and software issues associated with them. The book also contains a new chapter on advanced control strategies, covering the crucial topic of energy management. Filled with over 200 illustrations and tables, *Automation of Wastewater Treatment Facilities--MOP 21* features:

- An expanded chapter on networking and radio that reflects all recent changes in technology
- Additional information on design documents and the standards used to evaluate them
- Three new chapters on the functionality of process control systems, specifications, and advanced control strategies

Inside This Comprehensive Automation Resource

* The Business Case for Automation * What Is a Complete Automation Design? * Process and Instrumentation Diagrams * General Characteristics * Sensors * Final Control Elements * Control Panels or Stations * Connectivity Options for Process Control Systems * Automatic Process Control * Functionality of a Process Control Systems--Interfacing with Humans * Process Controllers * Process Control Narratives * Advanced Applications for Wastewater Treatment * Instrumentation and Control System Specifications * Instrumentation Maintenance * Instrumentation Training * Instrumentation Troubleshooting

About the Author

Water Environment Association (WEF) (Alexandria, VA) Committee on Wastewater Treatment Plants Automation.

Users Review

From reader reviews:

Joshua Lippert:

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Nathan Strong:

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