Wastewater Treatment Fundamentals I

Course Description & Details

This online course and print book package has been peer-reviewed and designed for both visual and verbal learners. The package includes the print book, online course and final exam.

Wastewater Treatment Fundamentals I: Liquid Treatment covers all aspects of liquid treatment processes and helps operators prepare for the first three levels of certification examinations. In addition to learning the basics of liquid treatment, operators will gain a thorough understanding of critical aspects of biological treatment, nutrient removal, and disinfection.

Book includes:
- Robust coverage of Wastewater Treatment Operator exam topics and ABC Need-to-Know Criteria
- 1000+ practice questions to test knowledge at the end of each chapter
- Extensive chapter exercises and solution sets to enhance math skills
- In-depth chapter summaries to reinforce key concepts

This self-study manual aligns with updated Need-to-Know Criteria from the Association of Boards of Certification (ABC) and is based on WEF's extensive resource collection, including Operation of Water Resource Recovery Facilities, MOP 11.

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Chapter 1: Introduction to Wastewater Treatment
Chapter 2: Wastewater Characteristics
Chapter 3: Preliminary Treatment of Wastewater
Chapter 4: Primary Treatment of Wastewater
Chapter 5: Fundamentals of Biological Treatment
Chapter 6: Wastewater Treatment Ponds
Chapter 7: Fixed Film Treatment
Chapter 8: Activated Sludge
Chapter 9: Nutrient Removal
Chapter 10: Disinfection

The ***Wastewater Treatment Fundamentals* Online Course** is designed to help operators prepare for the first three levels of certification examinations. These resources represent the expertise of hundreds of water quality professionals. They align with updated Need-to-Know Criteria from the Association of Boards of Certification and are based on WEFs extensive existing resource collection, including Operation of Water Resource Recovery Facilities, MOP

11. After learning from real-life examples, users may actively apply the material they learn to situations they encounter in their day-to-day work. This training includes a print manual and online course to address different learning styles as well as align with state CEU requirements.

Online Course includes:
- 350+ simulated exam questions matching the format, tone, and difficulty of the real exam
- Unlimited chapter level practice tests
- Immediate feedback of both correct and incorrect answers
- In-depth explanatory videos of key topics and processes
- Excellent topic and word search ability

For answers to Frequency Asked Questions, click here.