



Water Quality Modeling for Wasteload Allocations and TMDLs

By Wu-Seng Lung

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Water Quality Modeling for Wasteload Allocations and TMDLs By Wu-Seng Lung

Complete, practical coverage of pollution control regulations and water quality modeling

Water Quality Modeling for Wasteload Allocations and TMDLs provides practical guidance for engineers charged with determining the volume and character of wastewater that a body of water can receive without suffering environmental damage. Following the discussion on water pollution control regulations and their relationships to water quality modeling and wasteload allocation for determining the total maximum daily load (TMDL), the first half of the book focuses on quantifying the model coefficients to characterize physical, chemical, and biological processes of a variety of water quality problems.

The remainder of the book guides engineers in the application of EPA-developed models for regulatory use. Presenting numerous case studies and a substantial amount of data, this comprehensive guide:

- * Covers practical applications of wasteload allocation
- * Provides guidance to develop technical information for obtaining National Pollution Discharge Elimination System (NPDES) permits
- * Demonstrates the application of STREAM, QUAL2E, WASP, and HAR03

Water Quality Modeling for Wasteload Allocations and TMDLs is an essential resource for state and federal water quality agencies, consulting engineering firms, publicly owned treatment works, environmental biologists and chemists, and public health officials involved with pollution control.

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Water Quality Modeling for Wasteload Allocations and TMDLs By Wu-Seng Lung Bibliography

- Sales Rank: #1489959 in Books
- Published on: 2001-04-30
- Original language: English
- Number of items: 1
- Dimensions: 9.51" h x .85" w x 6.38" l, 1.39 pounds
- Binding: Hardcover
- 352 pages

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Editorial Review

From the Back Cover

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About the Author

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