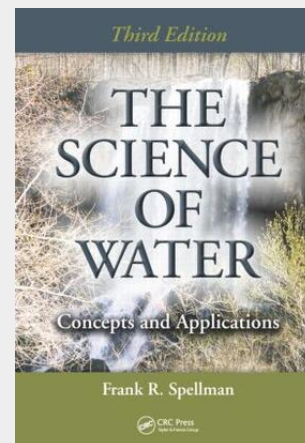


SCIENCE OF WATER 3/E

The Science of Water: Concepts and Applications, Third Edition contains a wealth of scientific information and is based on real-world experience. Building on the second edition, this text applies the latest data and research in the field, and addresses water contamination as a growing problem. The book material covers a wide range of water contaminants, the cause of these contaminants, and considers their impact on surface water and groundwater sources. It highlights the three distinct and separate sources of freshwater: surface water, groundwater, and groundwater under the direct influence of surface water (GUDISW). It discusses the conditions that constitute GUDISW and the Surface Water Treatment Rule (SWTR). It also explores sustainability and the effect of human use, misuse, and reuse of freshwater and wastewater on the overall water supply. Provides Valuable Insight for Water/Wastewater Practitioners Designed to fill a gap in the available material about water, the book examines water reserve utilization and the role of policymakers involved in the decision-making process. The book provides practical knowledge that practitioners and operators must have in order to pass licensure/certification tests and keep up with relevant changes. It also updates all previous chapters, presents numerous example math problems, and provides information not covered in earlier editions. What's New in the Third Edition: Includes a new chapter on water economics, as well as a new chapter on water usage Expands the coverage of wastewater stabilization ponds Adds new problems, tables, and figures throughout The Science of Water: Concepts and Applications, Third Edition serves a varied audience—it can be utilized by water/wastewater practitioners—as well as students, lay personnel, regulators, technical experts, attorneys, business leaders, and concerned citizens.

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