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Water and Wastewater Calculations Manual

By Shun Lin

McGraw-Hill Professional. Hardcover. Book Condition: New. Hardcover. 944 pages. Dimensions: 9.1in. x 6.2in. x 1.6in. Step-by-step water and wastewater calculations-- updated for the latest methods and regulations Water and Wastewater Calculations Manual, Third Edition, provides basic principles, best practices, and detailed calculations for surface water, groundwater, drinking water treatment, and wastewater engineering. The solutions presented are based on practical field data and the most current federal and state rules and regulations. Designed for quick access to essential data, the book contains more than 100 detailed illustrations and provides both SI and U. S. customary units. This up-to-date environmental reference contains new and revised information on: U. S. Environmental Protection Agency maximum contaminant levels for public water systems and protection from waterborne organisms Membrane filtration processes Clarification systems Ultraviolet disinfection Ozonation SNAD-- simultaneous partial nitrification, ANAMMOX (anaerobic ammonium oxidation), and denitrification Membrane bioreactors Lake evaporation mathematical models Comprehensive coverage includes: Stream and river sanitation Lake and reservoir management Groundwater regulations and protection Fundamental and treatment plant hydraulics Public water supply Wastewater engineering Macro-invertebrate tolerance list Well function for confined aquifers Solubility product constants for solution at or near room temperature Freundlich adsorption isotherm constants for toxic organic compounds Factors for conversion This item...

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