Shortcut Nitrogen Removal-Nitrite Shunt and Deammonification

By Water Environment Federation

Water Environment Federation, United States, 2015. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.Shortcut nitrogen removal refers to biological nitrogen removal when ammonia is not converted to nitrate, but halts at nitrite to shortcut the conventional nitrification/denitrification process. Shortcut nitrogen removal processes provide significant potential benefits in terms of energy, carbon, and chemical savings compared with conventional biological nitrogen removal. Shortcut Nitrogen Removal-Nitrite Shunt and Deammonification provides owners, managers, engineers, operators, and researchers with a solid understanding of shortcut nitrogen removal and the most current research and cutting-edge industry practices on how to implement these emerging resource-saving technologies in a sustainable manner. Table of Contents Chapter 1: Introduction and Rationale Chapter 2: Process Fundamentals-Microbiology, Stoichiometry, Kinetics, and Inhibition Chapter 3: Processes for Sidestream Nitrite Shunt Chapter 4: Sidestream Deammonification Chapter 5: Mainstream Simultaneous Nitrification and Denitrification and Nitrite Shunt Chapter 6: Mainstream Deammonification Chapter 7: Toward Energy Autarky: Carbon Redirection Coupled with Shortcut Nitrogen Processes Chapter 8: Process Types, Flowsheets, and Design Criteria for Implementation Chapter 9: Future Issues and Considerations of Nutrient Management in Wastewater Treatment.

Reviews

This publication is amazing. It is definitely basic but shocks in the fifty percent of your publication. You wont feel monotony at anytime of your own time (that's what catalogues are for concerning if you question me).
-- Prof. Kirk Cruickshank DDS

This kind of book is every little thing and taught me to looking ahead of time and a lot more. I am quite late in start reading this one, but better then never. I found out this book from my dad and i encouraged this pdf to find out.
-- Justus Hettinger