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Titolo	Nitrification and denitrification in the activated sludge process [[electronic resource] /] / Michael H. Garardi
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Lingua di pubblicazione	Inglese
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Nota di contenuto	Nitrification and Denitrification in the Activated Sludge Process; Contents; Preface; PART I OVERVIEW; 1 Nitrogen: Environmental and Wastewater Concerns; 2 The Oxidation States of Nitrogen; 3 Nitrogenous Compounds; 4 Bacteria; 5 The Activated Sludge Process; PART II NITRIFICATION; 6 Introduction to Nitrification; 7 Nitrifying Bacteria; 8 Organotrophs; 9 The Wastewater Nitrogen Cycle; 10 Nitrogen Assimilation; 11 Forms of Nitrification; 12 Indicators of Nitrification; 13 Nitrite Ion Accumulation; 14 BOD; 15 Dissolved Oxygen; 16 Alkalinity and pH; 17 Temperature; 18 Inhibition and Toxicity 19 Mode of Operation20 Classification of Nitrification Systems; 21 Troubleshooting Key and Tables; PART III DENITRIFICATION; 22 Introduction to Denitrification; 23 Denitrifying Bacteria; 24 Biochemical Pathway and Respiration; 25 Gaseous End Products; 26 Sources of Nitrite Ions and Nitrate Ions; 27 Operational Factors Influencing

Denitrification; 28 Substrate or cBOD; 29 Free Molecular Oxygen; 30 The Occurrence of Denitrification; 31 Monitoring and Correcting Accidental Denitrification; 32 Zoning; 33 Benefits of Denitrification; APPENDIX I THE GRAM STAIN; APPENDIX II F/M, HRT, MCRT References Abbreviations and Acronyms; Chemical Compounds and Elements; Glossary; Index

Sommario/riassunto

Nitrification and Denitrification in the Activated Sludge Process, the first in a series on the microbiology of wastewater treatment, comprises the critical topics of cost-effective operation, permit compliance, process control, and troubleshooting in wastewater treatment plants. Avoiding the technical jargon, chemical equations, and kinetics that typically accompany such texts, Nitrification and Denitrification in the Activated Sludge Process directly addresses plant operators and technicians, providing necessary information for understanding the microbiology and biological conditions that oc

2. Record Nr.

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Autore

Birkenhead John, Sir, <1616-1679.>

Titolo

Bibliotheca parlamenti, libri, theologici, politici, historici, qui prostant vœnales in vico vulgo vocato Little-Britain [[electronic resource] ] : done into English for the Assembly of Divines

Pubbl/distr/stampa

Printed at London, : [s.n.], 1653

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Soggetti

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A satire on the commonwealth in the form of book-sellers' lists. Attributed to John Birkenhead by Wing, BM (doubtfully). The work is, however, an imitation of Birkenhead's "Paul's church-yard" & "Two centuries of Pauls church-yard", with some items taken directly from those works. Reproduction of original in Huntington Library.

