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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 occur.
