

Fundamentals Of Wastewater Treatment And Engineering

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Based on a course taught by the author for the past 18 years, Fundamentals of Wastewater Treatment and Engineering is designed for undergraduate and graduate students who have some knowledge of environmental chemistry and fluid mechanics. Readers will get a strong grounding in the principles and learn how to design the unit processes used in municipal wastewater treatment operations.

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1 • Nitrate nitrogen. 2 3 Total nitrogen is the sum of the organic nitrogen, ammonia, nitrite and nitrate nitrogen. 4 Domestic wastewater typically contains 20-50 mg/L of total nitrogen and 12-40 mg/L of ammonia 5 nitrogen. Microorganisms require nitrogen to thrive.

~~CHAPTER 1 THE PURPOSE AND FUNDAMENTALS OF WASTEWATER TREATMENT~~

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