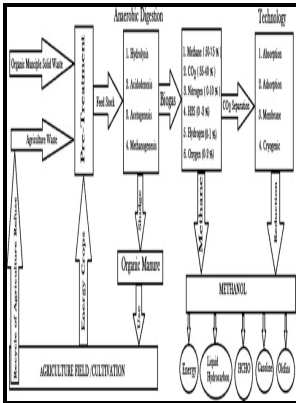


Design of anaerobic processes for the treatment of industrial and municipal wastes

Technomic Pub. Co. - What Is Anaerobic Wastewater Treatment and How Does It Work?



Description: -

- Refuse and refuse disposal -- Biodegradation.

Factory and trade waste -- Biodegradation.

Anaerobic bacteria.

Sewage -- Purification -- Biological treatment. Design of anaerobic processes for the treatment of industrial and municipal wastes

- v. 7

Water quality management library ; Design of anaerobic processes for the treatment of industrial and municipal wastes

Notes: Includes bibliographical references and index.

This edition was published in 1992



Filesize: 23.47 MB

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Anaerobic Sewage Treatment: Optimization of Process and Physical Design of Anaerobic and Complementary Processes

These are referred to in this survey as codigestates. ISBN: 9781780409610 paperback ISBN: 9781780409627 eBook ISBN: 9781780409634 ePUB. Many municipal wastewater treatment plants WWTPs in industrialized countries currently process wastewater sludge in large digesters.

What Is Anaerobic Wastewater Treatment and How Does It Work?

The liquid layer prevents oxygen from reaching the sludge layer, allowing a process of anaerobic digestion to break down the organic materials in the wastewater. Anaerobic microorganisms are allowed to establish themselves on the , forming what is known as a biofilm. The treated effluent flows upward and out of the unit.

DESIGN OF ANAEROBIC PROCESSES FOR TREATMENT OF INDUSTRIAL AND MUNCIPAL WASTE VOLUME VII WATER QUALITY MANAGEMENT LIBRARY

The anaerobic contact process and anaerobic lagoon system are promising methods of treating high-strength, high-temperature industrial wastes. These evaluate general process performance and pretreatment of codigestates, energy production, and treatment costs.

Anaerobic codigestion of municipal, farm, and industrial organic wastes: a survey of recent literature

Filter reactor performance must be carefully monitored over time, as the filter media will eventually become clogged with excess biofilm and particulate buildup, requiring maintenance steps such as backwashing and cleaning to maintain optimal performance. Design- and engineering flaws are discussed and the lessons learned transpire in the extensive chapter on the physical design of the reactor is extensively discussed, including the most important element the gas-liquid-solids separator.

What Is Anaerobic Wastewater Treatment and How Does It Work?

It enables to predict the reactor performance and optimize its performance for any set of sewage characteristics in terms of biogas production and residual organic material in the effluent and sludge, but it also highlights the limitations of anaerobic treatment. Wastes that are codigested with these main wastes are wood wastes, industrial organic wastes, and farm wastes.

localize-ing.justmote.me: Design of Anaerobic Processes for Treatment of Industrial and Municipal Waste, Volume VII (Water Quality Management Library) (9780877629429): Malina, Joseph: Books

Temperatures should be kept high, but this is less critical in lagoons than in the anaerobic contact process.

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