

Euphrates, Inc.

Reducing Costs of Wastewater Management and Disposal



Anaerobic Fluidized-Bed Reactor for Wastewater Processing at Euphrates

Johnstown, Fulton County

Euphrates, Inc. is a medium-sized cheese manufacturer. Its facility discharges cheese-making wash water and whey directly into the Gloversville-Johnstown Joint Wastewater Treatment Facility. Euphrates worked with Environmental Management Group International (EMG) of Media, PA to reduce the cost of wastewater management and disposal, while providing an opportunity for increased cheese production.

To achieve this, EMG recommended to Euphrates on-site pretreatment using anaerobic fluidized bed reactor (AFBR) technology to process liquid waste from cheese manufacturing. Anaerobic treatment is a biological process that uses a mixed culture of bacteria in the absence of free oxygen to remove organic matter that is present in the wastewater.

AFBR technology reduced Euphrates' cost for wastewater management, and allowed it to expand cheese production capabilities. Euphrates is considering the use of biogas for on-site power generation for the future.

Benefits Include:

- Reduced wastewater management and disposal costs
- Increased cheese production

Contact: Ed Kear, ext. 3269

Industrial R&D – Process Improvement and Product Development



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