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Water Environment Research Open Access Article Focuses on Pilot-Scale Sidestream Reactors for Deammonification

ALEXANDRIA, Va. – The open access article for the February 2017 edition of Water Environment Research (WER) discusses the use of sidestream reactors in deammonification.

"In their paper on deammonification, Graham and Jolis used a pH control strategy to achieve ammonia removal via partial nitritation/anaerobic ammonium oxidation (annamox) of anaerobic digestion centrate," said Tim Ellis, WER editor-in-chief. "Several pilot scale reactor configurations were used, including a sequencing batch reactor (SBR) and membrane bioreactor/integrated fixed film activated sludge reactor. Stable (i.e., 85%) ammonia removal was achieved at pH values between 6.8-8 and low (i.e., <0.2 mg/L) dissolved oxygen concentrations."

Selected WER articles such as this one are available free to the public on a monthly basis through an open-access program. Click here to download "Pilot-Scale Evaluation of pH-Based Control of Single Stage Deammonification Processes for Sidestream Treatment" by David M. Graham and Domènec Jolis.

Published by the Water Environment Federation since 1928, WER is a popular professional journal that features peer-reviewed research papers and research notes, as well as state-of-the-art and critical reviews on original, fundamental, and applied research in all scientific and technical areas related to water quality, pollution control, and management.

Originally known as the *Sewage Works Journal*, WER is available in both print and online formats and receives approximately 400 new research submissions each year.

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