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Water Environment Research Open Access Article Addresses Integrated Methodology for Wet Weather Treatment Capacity

ALEXANDRIA, Va. – A combined approach to maximize wet weather treatment is the topic of the open access article in the August 2017 edition of *Water Environment Research (WER)*.

“In their paper on wet weather clarifier performance, Daigger et al. introduce a strategy to increase capacity by mitigating the effect of increased solids and hydraulic loading using a step-feed flow regime,” said Tim Ellis, WER editor-in-chief. “Using the City of Akron’s Water Reclamation Facility as a test case, the team used modeling and computational fluid dynamics to determine that the wet weather capacity of the existing facility could be more than doubled using the step feed strategy and minor clarifier improvements. Effluent limits with respect to BOD5, TSS, ammonia, and total phosphorus were met during wet weather excursions using this strategy.”

Selected WER articles such as this one are available free to the public on a monthly basis through an open-access program. In addition, authors can pay a fee to make their accepted articles open access. [Click here](#) to download “Marrying Step Feed with Secondary Clarifier Improvements to Significantly Increase Peak Wet Weather Treatment Capacity: An Integrated Methodology,” by Glen T. Daigger; John S. Siczka; Thomas F. Smith; David A. Frank; and J. A. McCorquodale.

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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