

# WASTEWATER TREATMENT & TECHNOLOGIES COMMITTEE

## 2021 WEBINAR SERIES DAY 1 – WEDNESDAY, MAY 12 12:00 – 2:00 PM.

### MEMBRANE AERATED BIOFILM REACTOR (MABR)

#### AN INTRODUCTION TO MABR AND RESILIENCY



**Juliane Kirby**, Suez Water Technologies & Solutions

Juliane will introduce MABR as an emerging wastewater technology in Ontario. She will discuss full-scale plant experience and pilot testing at the Adelaide WWTP that has provided evidence of the benefits of this technology for improving wastewater treatment resiliency.

#### WHEN THE GOING GETS TOUGH, THE MABR GETS GOING – RESULTS FROM SEVERN TRENT SPERNAL



**Barry Heffernan**, OxyMem

MABR has been flagged as a game changer when it comes to process intensification, energy use and ease of deployment. Barry will share the results of a 10-module system that treats up to 5,000 m<sup>3</sup>/d and delivers on all of the above and more.

#### MABR INTEGRATION AT THE HESPELER WWTP



**Olav Natvik**, Stantec

Olav will present background information on the drivers that led to the decision to implement MABR at the Hespeler WWTP and the design features developed to allow for seamless retrofit within a multi-contract construction.

#### LONG-TERM OPERATION OF FULL-SCALE MABR AT THE EJBYS MØLLE WWTP



**Tim Constantine**, Jacobs

Tim will provide an overview of the two-year long full-scale demonstration testing of OxyMem and SUEZ at the 415,000 population equivalent Ejby Mølle WRRF.

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