



## OPERATIONS CHALLENGE – TORONTO 2019 Metro Toronto Convention Centre (North) April 15 &16, 2019



### PROCESS CONTROL EVENT

The Process Control event comprises of two components – a “*written exam*” challenge, and a “*process simulation*” challenge. The purpose of this event is to distinguish the relative process control skills of competing teams so that points can be awarded proportionately. In an ideal world, this would consist of each team standing before a panel of judges and reciting all their wastewater knowledge and answering questions from judges. In the context of the Operations Challenge, this is not practical, so a timed written exam and a timed simulation test are used.

Unlike other challenges, it is not expected that all teams complete the entire challenge, whether it finish answering all questions or tackle every simulation challenge. The goal of this event is to see who can answer the most questions with the fewest mistakes. Teams are given the opportunity to provide as many correct answers as they can in a certain allowed period of time (20 minutes for the *written exam* and 15 minutes for the *simulation challenge*). The written exam and the process simulations are designed to be long enough so that teams do not run out of questions to answer or tasks to achieve.

Regarding the *written exam*, the types of questions and their difficulty level are roughly matched to the points awarded for getting the correct answer. Since the *written exam* component is designed to include different types of questions (simple multiple-choice questions, math questions, complex scenario questions), solving the more complex questions will be worth more than the simpler multiple-choice questions. It is then up to each team to develop a strategy to figure out which questions to answer in the time allotted to achieve the highest final score.

For more information on the Process Control Event (written exam and/or simulation component) and all associated rules, please contact **Hany G. Jadaa** at [lexicon@ca.inter.net](mailto:lexicon@ca.inter.net) or by phone at (905) 510-9055.