



2024 WEAO OPERATIONS CHALLENGE

Niagara Convention Centre

May 5-7, 2024



COLLECTION SYSTEM EVENT

The Collection System Event simulates connecting a 4-inch PVC lateral sewer to an existing 8-inch PVC sewer pipe while in service along with the programming of an automatic sampler.

The event starts with a small-leak in a PVC pipe that represents an in-service pipe (wet pipe). Another section of dry pipe must be used to make repairs on the leaking wet pipe. During the challenge, competing teams have to cut and remove a measured length of pipe from both the wet and the dry PVC pipes. The section cut from the dry pipe will include an Inserta Tee™ and will be used to replace the section removed from the wet pipe. The teams will then have to secure the connection with flexible repair couplings and hose clamps. What makes this challenge most interesting and a crowd favorite is that it has to be completed under live (or wet) conditions; i.e., while water is running in the pipe. After each team has completed the challenge, judges will perform a pressure test to determine if the connections made are water tight.

If that's not enough of a workout, competitors must also program an automatic wastewater sampler and ensure that it is working properly.

Can you imagine all of the above tasks completed in less than 2 minutes? Now that's a challenge!

[Link to Collections Event Procedure](#)

For more information on the Collection Event and all associated rules, please contact **Ken Ryder** at kenneth.ryder@gmail.com or **Paul Bongelli** at paul.bongelli@toronto.ca