



Ashbridges Bay Treatment Plant Outfall (ABTPO) Tunnel Construction Update

Thursday, April 29, 2021, 3:00 pm EDT

Presented by: Andre Solecki, P.Eng. – Hatch



Abstract

The City of Toronto is constructing a new outfall at the Ashbridges Bay Treatment Plant (ABTP) to convey treated effluent from the ABTP into Lake Ontario. The Ashbridges Bay Treatment Plant Outfall (ABTPO) project comprises of a single construction shaft (85m deep), a single outfall tunnel 3.5km in length (7m internal diameter) in shale, 50 diffuser risers, effluent conduits and on-shore surface works. This presentation will focus on construction updates and challenges associated with the construction of the shaft, starter tunnel, TBM assembly, TBM launch and riser shaft construction.

About the Presenter

Mr. Solecki is a licensed civil engineer with 15 years of experience in the design and construction of heavy civil and tunnel projects. He currently holds the position of Senior Project Engineer at Hatch and has been involved in many international tunnel projects involving soft ground and rock tunnels including excavation by TBMs, hand tunnelling, and SEM. His recent project experience includes tunnel designer and resident engineer on the City of Toronto's Ashbridges Bay Treatment Plant Outfall (ABPTO) tunnel project. Andre is actively involved with the Tunnelling Association of Canada (TAC) and currently holds an officer position.