

## Pickering Nuclear Generating Facility Trash Screen Replacement



### Case Study Details

H2Flow worked with Hatch in 2015 to supply two Parkson Aqua Guard® AG-S screens to replace another manufacturer's screens at the Pickering Nuclear Generating Station in Ontario. The new Aqua Guard® AG-S screens are handling materials washed off the plant's traveling water screens and are used to remove materials such as zebra mussels, algae and driftwood. The AG-S screen uses a heavy-duty design consisting of a thicker frame, larger filter elements, and heavier chain to provide long life in tough industrial applications. Each screen is three feet wide with a discharge height of 12.5 feet and an opening size of 3 millimeters. The Pickering facility draws service and cooling water from Lake Ontario and is one of the largest of its kind in North America. A nearby sister facility in Ontario uses Aqua Guard® AG-MN screens, which are still running successfully after more than five years in service.

**Engineering Consultant:** Hatch  
**Installation Contractor:** ES Fox  
**Client:** Ontario Power Generation  
**Start-Up:** 2015