

## Water transport: **high-efficiency pumps** for an increasing demand



The Regional Municipality of Peel serves 1.3 million residents and approximately 88,000 businesses in Brampton, Caledon and Mississauga. It is the second largest municipality in Ontario, next to Toronto.

### Airport Road and Beckett Sproule Pumping Stations

The Airport Road Reservoir and Pumping Station supplies three large and rapidly growing regions in Ontario with adequate and safe drinking water. It was designed and built in 2005 to meet supply needs for the next few years, but also with the ability to be easily upgraded to larger capacities in order to keep pace with the region's rapidly increasing population. The Beckett Sproule Pumping Station secures water supply for the Airport Road station.

In 2010 the Region was seeking pumps with impressive hydraulic efficiencies for its new Beckett Sproule Pumping Station. KSB was chosen as the successful bidder, and supplied 6 of their highly engineered RDLO axially split, single-stage volute casing pumps. One year later, the Region was in need of more robust and efficient pumps, this time in order to increase capacity at the Airport Road Pumping Station. Once again, the decision was made in favour of KSB's reliable and efficient products, and another 6 RDLO pumps were supplied.

RDLO pumps stand for top performance in water transport. They are versatile and allow maximum energy savings. During performance tests the pumps exhibited higher efficiencies than the values guaranteed at tender.

At the customer's request, all pumps were supplied with split mechanical seals. As is required for all drinking water applications, the inside of each pump casing is coated per NSF/ANSI 61 requirement.

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**Airport Road Pumping Station**

Scope of supply	Technical data
1 RDLO 400-665	Flow rate: 653 l/sec Head: 257 m Motor: 450 kW
4 RDLO 400-665	Flow rate: 645 l/sec Head: 100 m Motor: 750 kW
1 RDLO 350-690	Flow rate: 521 l/sec Head: 85 m Motor: 563 kW

**Commissioned:** November 2012



**Beckett Sproule Pumping Station**

Scope of supply	Technical data
4 RDLO 700-980	Flow rate: 1,180 l/sec Head: 39.5 m Motor: 600 kW
2 RDLO 500-835	Flow rate: 695 l/sec Head: 77 m Motor: 750 kW

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