

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.

The project

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.

The challenge

In 2010 the Region was seeking pumps with impressive hydraulic efficiencies for its new Beckett Sproule Pumping Station. 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.



The solution

In both cases KSB was chosen as the successful bidder, and in 2010 supplied the first six highly engineered RDLO axially split, single-stage volute casing pumps. One year later, in 2011, the decision was made once more in favour of KSB's reliable and efficient products, and another six RDLO pumps were supplied. At the customer's request, all RDLO pumps were supplied with split mechanical seals. As is required for all drinking water applications, the inside of each pump casing is coated in line with the NSF/ANSI 61 requirement.



Airport Road Pumping Station

Scope of supply	Technical Data	Qty
RDLO 400-665	Flow rate: 10,350gpm Head: 843 ft. Motor: 600hp	1
RDLO 400-665	Flow rate: 10,223gpm Head: 328 ft. Motor: 1,000hp	4
RDLO 350-690	Flow rate: 8,258gpm Head: 278 ft. Motor: 750hp	1

The key success factor

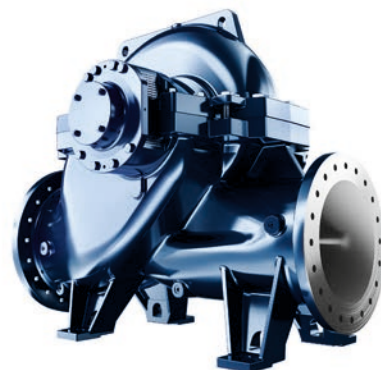
RDLO pumps stand for top performance in water transport. They are versatile and allow maximum energy savings. During performance tests the pumps exhibited higher efficiencies than the values guaranteed at tender.

The result was impressive: in terms of hydraulic acceptance, the efficiency of the RDLO pumps even exceeded the values guaranteed in the offer.



Beckett Sproule Pumping Station

Scope of supply	Technical Data	Qty
RDLO 700-980	Flow rate: 18,703gpm Head: 129 ft. Motor: 800hp	4
RDLO 500-835	Flow rate: 11,016gpm Head: 252 ft. Motor: 1,000hp	2



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