

# PERIFLO

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## PUMPS IN ACTION



### PeriFlo Sludge Transfer Pumps and Controls

A major wastewater treatment plant in the largest state of the union required a new primary sludge pump to feed their gravity belt thickeners. The project would increase the solids concentration from 4-5% to a target concentration of 8% and reduce sludge hauling costs by over \$100,000 per year. The pumps needed to be self-priming and provide variable flow to meet the process requirements. Pump controls would drive the pump efficiently over a varying flow range, provide local operator control and have a seamless digital interface with the on-site SCADA system.

#### *The Solution ... PeriFlo Peristaltic Pumps & Controls !!!*

PeriFlo's engineering and manufacturing team designed, built and tested the 3" PeriFlo model RBT80 peristaltic hose pump complete with UL listed control panel.

Peristaltic pumps offer the ability to self-prime up to 30ft of lift and run dry indefinitely without damage. The pumping action involves the simple repeated compression of a reinforced rubber hose element. **There are no rotors, no stators, no check valves, no shaft seals and no rubbing parts to wear ... making peristaltic pumps ideal for handling thick, solids laden and/or abrasive materials that would seriously damage other pump designs.** Flow rates up to 400 gpm.

**Maintenance is 100% in-line – don't remove the pump, just replace the hose !!!**

PeriFlo is a UL508 recognized control panel manufacturer ... assuring pump/drive compatibility, allowing for full factory equipment testing and complete sole-source system performance responsibility.

**PeriFlo pumps are Made in the USA and meet all of the Made in America requirements of the American Reinvestment & Recovery Act of 2009.**

September 2009