

**6802 & 6803 MULTILEC® INDUSTRIAL OIL**  
**ERIE COUNTY WATER AUTHORITY, Cheekatowaga, NY**  
**DeLaval Pumps • SIC 4941 Water Supply**

**CUSTOMER PROFILE**

The Erie County Water Authority provides water for the Erie County area. They have been an LE customer since October of 1995.

**APPLICATION**

In order to process the fresh water, they use DeLaval T20-18AB model pumps with motors ranging from 600 hp to 1,600 hp.

**AREA OF INTEREST**

While using a popular commercial product, they had to change the oil every six months. The oil was not holding up, and Dan Snyder, Control Crew Chief wanted an oil that would not break down.

**LE SOLUTION:**

It was recommended that Erie County Water Authority use LE's 6802 (ISO 46) and 6803 (ISO 68) MULTILEC® Industrial Oil for this application. **LE's MULTILEC is a truly multi-functional, heavy-duty R&O and AW industrial oil suitable for air compressors, hydraulics, bearings, industrial turbines**

- **Increased Gallons pumped per kW hour**
- **Extended Drain Intervals**
- **Reduced Power Consumption**
- **Reduced Running temperature**

**and for R&O gear oil applications.** It is compounded with premium paraffinic base stocks for greater lubricity. It has outstanding rust and oxidation resistance for the hot and damp environment associated with a water treatment plant.

**CUSTOMER COST SAVINGS**

In the year prior to converting to LE's MULTILEC Industrial Oils, the Erie County Water Authority, Bell Station on the University of Buffalo Amherst Campus, pumped 1,145 gallons of water per kilowatt hour. After converting to LE's MULTILEC, they have now increased gallons pumped per kW hour to 1,375. **This is an increase of 230 gallons pumped per kW hour, or 20.1%!**

Also, since changing to LE's MULTILEC® Industrial Oils, they have extended their oil drain intervals to coincide with their pump rebuild schedules at two year intervals. They are using LEAP (Lubrication Engineers Oil Analysis) to safely monitor the condition of the oil. They have also noticed a reduction in power consumption of 3% to 5% and running temperature of the bearings has been reduced by 10-15 degrees.

### ***OTHER PRODUCTS USED***

LE's 1275 ALMAPLEX® Industrial Lubricant is used for the electric motors and LE's 1232 ALMATEK® General Purpose Lubricant is used as a general bearing grease.

We want to thank Dan Snyder, Control Crew Chief and the local LE Representative for providing the information to prepare this report.