

# *Application Bulletin*

## **Industrial Laundry Replaces Shaker Screens With LAKOS Separators For Wash Water Re-Use**

**System Identification:** Mixing/holding tanks & heat exchanger on wash water recycling process

**Solids/Liquid:** Sand & grit/Municipal water, recycled

**Problem:** Shaker screens, though seemingly an “industry standard” in the industrial laundry business, became an increasingly troublesome and intensive maintenance problem for ALSCO Linen in Edmonton, Alberta, Canada. Important to remove solids prior to mixing/holding tank (to prevent unwanted solids accumulation) and heat exchanger (to prevent fouling and reduced heat transfer efficiency).

**Solution:** A complete LAKOS PREP System was installed to replace the shaker screens, removing one cubic yard (765 liters) of sand/solids every two days. Performance, according to Chief Engineer Barry Blumenschein, exceeds that of the shaker screens. System shutdown for routine maintenance is non-existent.

Solids are purged automatically into a hopper, concentrating the solids for easy handling and allowing excess purged liquid to return to system use. No system downtime is incurred. No liquid loss. Continuous operation.

A coarse strainer is employed prior to the LAKOS Separator to remove lint and other fibrous material not separable by LAKOS.



---

### **Other companies that have used LAKOS Separators for similar applications:**

Texdel  
Western Linen  
Canadian Linen Industrial Washing  
Machine Company  
Impact Industries  
Peoples Laundry

American Home Products  
Georgia Gulf Corporation  
White Consolidated  
Jergens Company  
Wilford Hall Hospital  
Shelton Community Center

Limbach Company  
Lancer Corporation  
Pollution Enterprises  
Boehringer Mannheim

---

### **CLAUDE LAVAL CORPORATION**

Not connected with The DeLaval Separator Company

1365 N. Clovis Avenue • Fresno, California 93727 USA  
Telephone: (559) 255-1601 • Fax: (559) 255-8093  
Toll-Free: (800) 344-7205 (USA, Canada & Mexico)  
www.lakos.com • E-Mail: info@lakos.com