

Application Bulletin

Paper Mill Replaces Strainer with Lakos Separator

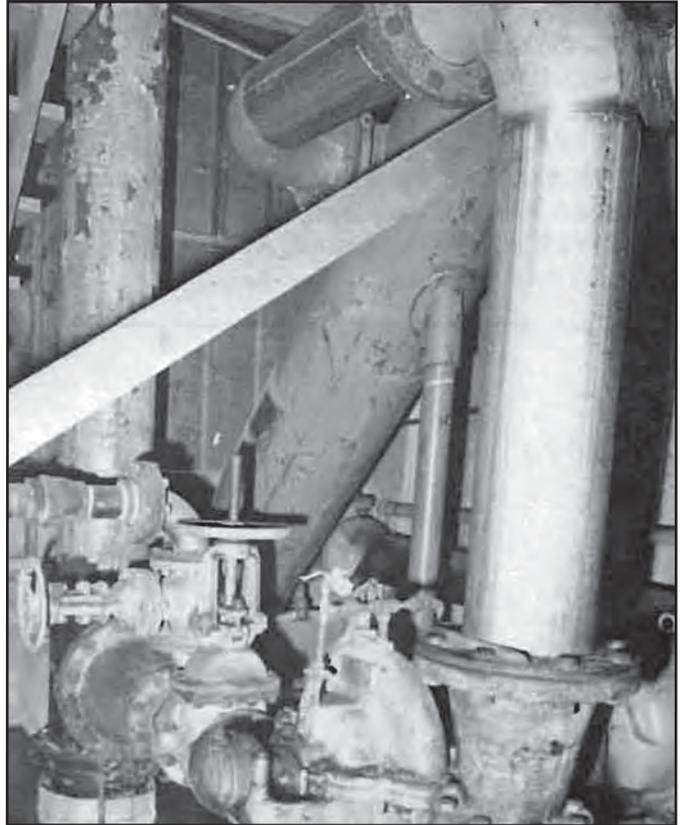
Solving a real filtration problem and eliminating the costly maintenance once necessary with a previous "solution," a Lakos Separator at a Massachusetts paper mill removes unwanted particles on a continuous basis from their plant's source water, a nearby river.

Installed between the pumping system and a large holding basin, the Lakos unit easily handles even the river's highest solids content, caused by frequent rains or low flow periods. Once in the holding basin, the water is then chemically treated for plant use.

Their previous filtration technique, a huge mechanical strainer, simply couldn't handle the volume of solids without shutting down as often as two or three times each week for a painstaking 2-3 hour strainer cleaning, a process which took two men to perform. Once clean, the solids then had to be disposed of according to strict regulations.

In contrast, the Lakos Separator operates continuously with no shutdowns, flushing separated solids at a continuous bleed back into the river. There's simply no routine maintenance, and the disposal of particles in such a manner adheres to local requirements.

Because the separator operates continuously, filtration is uninterrupted and, unlike the strainer with its required shutdowns, no by-pass is required and, therefore, no unwanted solids enter the holding basin. According to plant spokesmen,



Space is limited at this paper mill. Fortunately, the Lakos Separator required very little of it to handle up to 1350 U.S. gpm (307 m³/hr) of river water for their process use.



(Continued on reverse.)

even the basin cleaning operation is now simplified, concentrating on cleaning only the chemical residues instead of river solids.

Others who have used Lakos Separators for similiar applications:

ALABAMA RIVER PULP; Perdue Hill, AL
COCA-COLA BOTTLERS; Thebarton, Southern Australia
GEORGIA PACIFIC; Crossett, AR
CASCADE PAPER; Montreal, Canada
INTERNATIONAL PAPER; Texarkana, TX
SUNTORY FOOD PROCESSING; Tokyo, Japan
EUROCAN; Kitimatt, British Columbia
GEORGIA PACIFIC; Louisville, Mississippi
YALUMBA WINERY; Angaston, Australia
JAMES RIVER CORPORATION; Old Town, ME
ALLIANCE TEXTILE MILLS; Manila, Philippines
NEKOOSA PAPERS; Ashdown, AR
QUE RIVER MINING; Tasmania, Australia
KRUGER PAPER; Montreal, Canada

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



Printed on recycled paper.