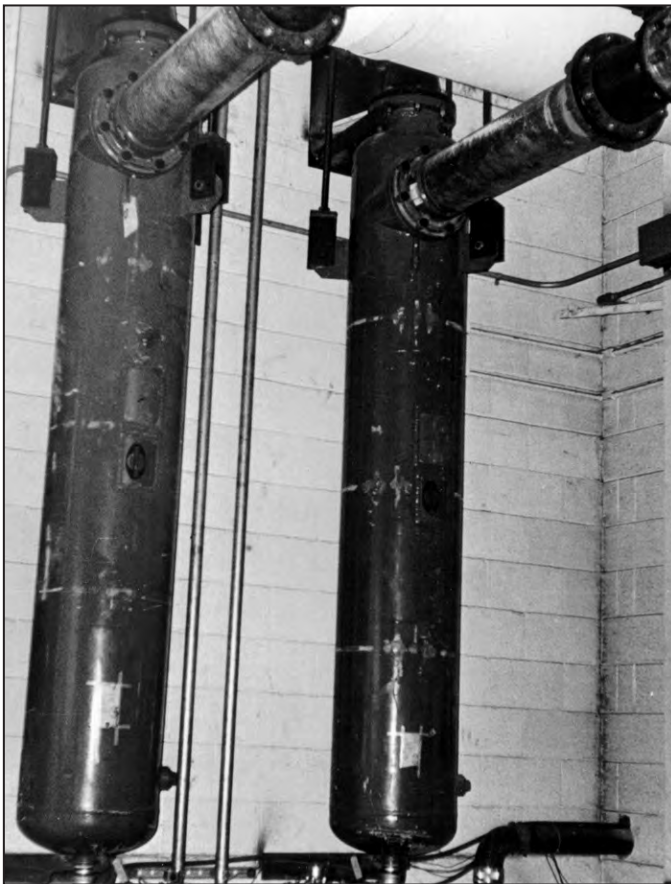


Application Bulletin

Foundry Improves Plant Efficiency with Lakos Separators

Following a side stream trial period which proved that Lakos Separators could, indeed, remove unwanted grit and other solids from their recirculating cooling water, the Sandusky Foundry and Machine Company of Sandusky, Ohio, installed a simple, low cost, full stream solids removal system around two Lakos Industrial Separators, thereby protecting the entire system. Most notably, the once *daily cleaning* of their *nine* strainers, located on each of their furnaces and cooling tower, has now been dramatically reduced to a simple *bi-monthly inspection only*.

Installed on the discharge side of their hot well sump pumps, the separators remove unwanted solids (consisting primarily of grit from roof drains and scale from the plant's equipment and piping) just prior to the water entering the cooling tower.



Installed high against an unused wall near the hot well, these two Lakos Separators (at left) allow the Sandusky Foundry and Machine Company to remove grit from their recirculating cooling water without sacrificing valuable floor space. Double channel support brackets were all that was necessary to hang these vertical profile separators (below).



Solids collected in the Lakos Separators' lower chamber are bled via a continuous controlled flow purge into 55-gallon steel drums, quietly settling in the drums for eventual disposal and allowing the purged water to overflow back in the hot well. This technique eliminates the make-up water requirement that would have been required if the separators were purged to the sewer.

With the troublesome solids now continuously removed from their plant water, Sandusky Foundry and Machine Company has eliminated routine strainer cleaning and (see photos and captions) finds that the simple, trouble-free operation of Lakos Separators requires a minimum of valuable floor space and provides an efficient means of solids removal. Complete details on this and other plant efficiency systems are available on request.



These inexpensive barrels collect the separated solids and provide an overflow for the decanted water to return to the hot well, eliminating the need for make-up water.

Others who have used Lakos Separators for similar applications:

COMMONWEALTH STEEL; Newcastle, New South Wales
WEIL MC LAIN; Michigan City, IN
BHAS; Port Pirie, Southern Australia
OCCIDENTAL CHEMICAL; White Springs, FL

CENTRAL FOUNDRY; Danville, FL
RELIANCE ELECTRIC; Columbus, IN
TYLER PIPE; Tyler, TX
UNIROYAL, INC.; Opelika, AL

CLAUDE LAVAL CORPORATION

Not connected with The DeLaval Separator Company

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