

SEPARATOR ELIMINATES ROUTINE TOWER MAINTENANCE FOR WIRE MANUFACTURER

PROBLEM

Keeping their ejector-type cooling tower in operation used to be a big job at National Wire Products Corporation in Baltimore, Maryland. “To stay on top of it, we were cleaning the system’s integral strainer at once a week,” says Kent Woodward, Chief Engineer.



National Wire manufacturers low-carbon steel wire at this Baltimore facility and relies on the efficient operation of their ejector tower to serve the needs of their-drawing machinery.

Contaminated with scale which comes from their large-scale operation of mechanically “cracking” (descaling) wire rod, the cooling tower is also subject to fouling with a dry lubricant used in their processes and a variety of other airborne particulate common in such a heavy environment.

SOLUTION

Now, instead, three LAKOS In-Line Separators do the job entirely, removing iron oxide (mill scale) and dry lubricant from their cooling water system and eliminating what had become a time-consuming and costly routine shutdown.

Installed prior to this cooling tower’s integral strainer, the LAKOS Separators are installed in parallel to accommodate a flow range of 192-315 U.S. gpm (44-72 m³/hr). A common purge line bleeds separated solids to a convenient drain.

OUTCOMES

With the installation of the LAKOS system, National Wire has **reduced** their cooling tower problems by **95%**.

- The removal of iron oxide and dry lubricant **increased efficiency**
- **Less downtime and reduced maintenance costs** with the LAKOS In-Line Separators

Adding a LAKOS system costs less than you think

To get one customized to your needs, contact your local representative