

ENVIRONMENTAL SUSTAINABILITY SUCCESS STORIES



For Generations

CLOW VALVE — OSKALOOSA

Reduction of City Water Usage

The Clow Valve metal casting facility implemented the following changes, which eliminated the use of all city water used for once-through cooling, thereby significantly reducing the total water usage at the facility:

- Introduced internal recycling of machine cooling water for all core machines.
- Modified the Falk hydraulic unit on the molding line from a water-cooled to an air-cooled unit (picture).
- Improved control units at both the iron and brass cooling towers.

IMPLEMENTED AIR COOLING OF HYDRAULIC FLUID



Alkaline Cleaning Tank Modifications – Fuse Coat

Several modifications to the alkaline cleaning tanks located prior to fuse coating lines were made, which resulted in the reduction of the total detergent consumed as well as an extension of the lifetime of the alkaline wash bath. The overall modifications reduced downtime at the fuse coat lines:

- Installation of magnetic separators on the alkaline wash tank.
- Installation of a water purification system — reverse osmosis system — to maintain purified water within the alkaline cleaning tanks (picture).

REVERSE OSMOSIS WATER PURIFICATION SYSTEM FUSE COAT I AND III

