



## MANUFACTURING

### **Printing Company Saves \$78,000 in the First Year After Implementing Garratt-Callahan's Expert Solution**

#### **Problem**

Poor water quality at a Nevada printing company, with very high silica levels (67 PPM), limited the plant to running its boilers at a maximum of 10 cycles of concentration. Because it was difficult to control the high conductivity required, the system experienced frequent foaming and carryover. And energy costs were going through the roof.

#### **Solution**

Garratt-Callahan recommended the installation of a reverse osmosis unit. Outputting nearly pure water, this system allowed the plant to run its boilers at up to 300 cycles of concentration – and at much lower conductivity, virtually eliminating foaming and carryover problems. To deal with the high silica levels and keep the R/O membranes from becoming fouled (and shortening their useful life), Garratt-Callahan also introduced the use of G-C Formula 6040 scale inhibitor.

#### **Results**

*In the first year alone* after implementing Garratt-Callahan's solution, the printing company saved \$78,000 in energy, water, and treatment chemical costs.

#### **Conclusion**

For a wide range of industries, applications, and water quality conditions, Garratt-Callahan understands the relationship between water treatment and total operating costs – and can usually deliver a better water treatment solution that will save you money.

**Garratt-Callahan: Our water treatment experience reduces your expenses.**