



Culligan® Success Story RR Donnelley

RR Donnelley was in need of a reliable partner for monitoring and maintaining the water treatment system for the facility but most importantly, the cooling towers.

Customer:
RR Donnelley

Description of Business:

A NASDAQ listed company (Nasdaq:RRD), RR Donnelley helps organizations communicate more effectively by working to create, manage, produce, distribute and process content on behalf of its customers. Based in Chicago, the company provides print, digital and supply chain solutions, assisting customers around the world in developing and executing multichannel communication strategies that engage audiences, reduce costs, drive revenues and increase compliance.

Contact:
Mr. Kirk Brune, Maintenance Manager

SITUATION/PROBLEM:

The existing system would occasionally pass hard water due to low flow and an unbalanced plumbing configuration. This resulted in higher chemical levels used in the tower to protect against scaling. RR Donnelly wanted to lower the chemical cost, which had increased due to the system issues, and reduce the excessive water use.

FROM THE CUSTOMER;

"I wish we could have installed the Culligan® system sooner. In the future, we will be tying the alarm contacts and perhaps the GBE mod-bus output to the building's SCADA system to provide additional monitoring and control feedback."



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Solution:

Culligan® installed a metered triplex softener system with progressive flow control and a balance plumbing configuration. The progressive flow control allowed the use of only one vessel when water flow to the cooling tower was low, reducing the chance of channeling and preventing premature hardness to service. When the cooling system water demands increased additional units were brought online to meet the water flow requirements maintaining a consistent flow of treated water.

Equipment Installed:

- Triplex Progressive Flow Metered Softening System

The Results/Customer Benefits:

RR Donnelly immediately began realizing a reduction of approximately 37% per month in salt usage.

Based on the dollars saved, the salt savings alone represents a 27 month payback of the project. More importantly, because of the reliability of the softeners, chemical usage dropped by more than 35%.

According to the customer, "the information that the GBE Smart Controller provides is invaluable in understanding how the cooling tower is operating."



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