



MPW's resin rebed project results in greater efficiencies at West Virginia power plant

Problem

A West Virginia power-generation facility faced reduced efficiency in the ion exchange resin for its makeup demineralizer, which resulted in problems with effluent quality, operating capacity and run time efficiencies.

After sending out five requests for quotes, the facility awarded the contract to MPW Industrial Services due to MPW's unique capability to manage the scope of the entire project, which included resin analysis, removal, transportation and disposal of the exhausted resin, and more. Additionally, MPW utilized confined space specialists from its Industrial Cleaning Division to perform the necessary equipment inspections.

Solution

MPW's operations and sales teams designed and seamlessly executed the resin rebed process in a way that allowed the customer to continue producing power unimpeded. For the plant, this was a particularly imperative aspect of the venture.

MPW also identified a mechanical issue with the customer's condensate polisher. A crew from the facility was able to make the necessary repairs, preventing a potential system failure and plant shutdown.

Results

Although the customer anticipated that the project would take three weeks, MPW completed the project in less than two weeks.

There were no safety incidents during this project.

Through superior planning, customer service and execution, MPW replaced the customer's inefficient resin system, directly resulting in a 33-percent reduction in chemical costs and 33 percent less downtime equipment for the customer.

Plant managers were pleased with MPW's efficiency throughout the project. They commented that MPW personnel were professional and carefully followed all appropriate safety protocols. Furthermore, MPW's effectiveness on this project led to plant officials' interest in MPW's reverse osmosis pretreatment services for a future project.

