MPW PRODUCTS DIRECT

Case Study

MPW's media filter rebed solution leads to savings at Texas power plant

Problem

There's no such thing as a routine multimedia filter replacement project. At a Texas power plant, MPW Industrial Services discovered that the filter vessels were located inside of a small metal building, which restricted access and slowed work.

This filter replacement challenge included the following tasks:

- Disassembly of the multimedia building to gain complete access to the filter media
- Removal of the media by vacuum trucks
- Inspection of the internal equipment
- Installation of new media according to specific plant instructions
- Reassembly of the multimedia building

Solution

MPW utilized its comprehensive labor solutions coupled with its media-buying power to keep customer costs as low as possible. Additionally, MPW's ability to manage and execute all aspects of the project allowed plant employees to focus on their normal functions.

In order to ensure safety and efficiency, MPW built scaffolding around vessels and removed a portion of the roof. Then, MPW workers used a reach forklift to allow safe and easy access to the top man-ways of the vessels.

Results

MPW successfully completed the media filter rebed project from disassembly to reassembly in two days and ahead of budget. During the inspection phase of the project, MPW discovered that top laterals in the vessels were broken. MPW immediately notified plant personnel and ordered replacement parts. The damaged internals could have been responsible for inefficient operation of the filters and/or poor filtrate quality.

MPW's innovation and dedication to safety and quality led to greater efficiency in the operation of the multimedia filters. The overall impact was savings for the plant.

There were no safety incidents during this project.

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