# APTsorb®

Water Remediation Media

## STACK SCRUBBER

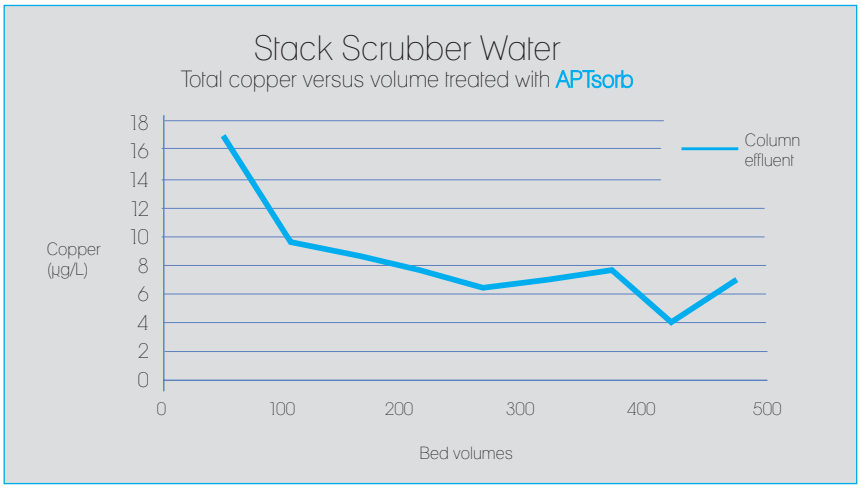
# Water Treatment

## The Challenge

Coal-fired power plants generally use wet scrubbing to minimize emissions from their exhaust streams. The water that results contains the particulate emissions, but it also contains other water-soluble elements and compounds that were present in the exhaust stream. As a result, the water from the scrubber requires treatment.

## APTsorb Solution

American Peat Technology performed feasibility testing on stack scrubber water that had elevated levels of copper. The concentration of the scrubber water was 2200 µg/L copper. The bench test delivered 35 liters of stack scrubber water through a column containing 50 grams of APTsorb water filtration media.




## The Results

Treatment with APTsorb over the course of 470 bed volumes reduced the copper concentration of the water by over 99 percent. After 470 bed volumes, the estimated loading was 1.5 mg copper per gram of media, with no apparent decline in performance. The empty bed contact time was 20 minutes.

APT® AMERICAN PEAT TECHNOLOGY

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