CASE STUDY

Industrial Vertical Bed System (I-VBS)

Evergreen Pulp and Paper Mill,
Pine Bluff, Arkansas

PureAiR
A cleanwater1™ Company

THE PROBLEM

The Evergreen Pulp and Paper Mill (Evergreen) in Pine Bluff, Arkansas was experiencing a problem with the premature equipment failure of their electronic components due to corrosive gases. They needed a solution to remove H_2S and other harmful gases from the environment to keep their sensitive and costly electronics protected.

Pulp and paper mills are plagued by corrosion on their process control equipment, which leads to production losses, plant interruptions, costly replacements, and unscheduled downtime. The contaminants brought into the control room through personnel traffic affect both the room humidity and temperature, which can cause the corrosion rate to double.

THE SOLUTION

Having successfully worked with PureAir previously, Evergreen reached out for assistance to solve their corrosion problem in the best, most economical way. PureAir recommended room sealing for smaller purification equipment to reduce the overall project costs. By confining the air to one space, the equipment had fewer contaminants to treat. Once this step was completed, PureAir provided Evergreen with an Industrial Vertical Bed System (I-VBS-302) filled with 18 ft3 of PP Blend chemisorbant media.

PP Blend chemisorbant media is specifically designed for the removal of corrosive gases commonly found in the pulp and paper industry. It is a 50/50 percent blend of PureAir 8 potassium permanganate-based media and Sulphasorb 2™ acid gas removal adsorbent media. The blended media is UL Listed and is not a fire hazard.

Evergreen's electronic components are now free of corrosion since installing PureAir's gas-phase equipment and chemisorbant media. Evergreen continues to count on PureAir to deliver quality products and solutions that meet and exceed their needs.