

CASE STUDY

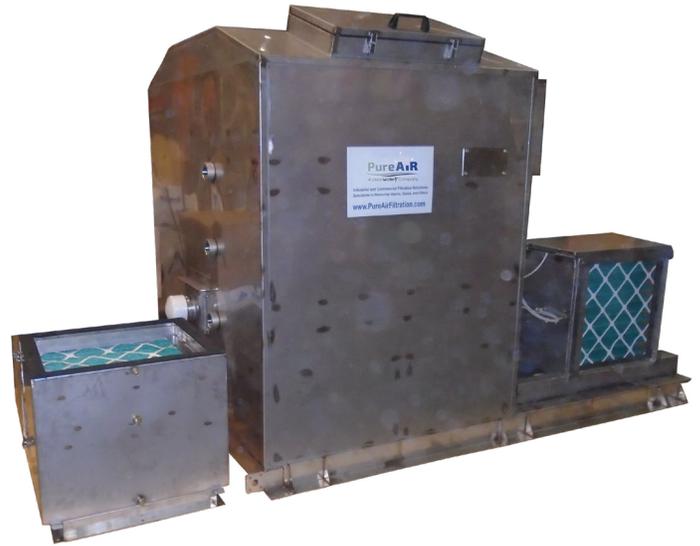
Industrial Vertical Bed System (I-VBS)

Georgia-Pacific
Crossett, Arkansas

THE PROBLEM

The Georgia-Pacific (GP) Paper Mill in Crossett, Arkansas has been a staple to the community since 1962, when GP purchased the Crossett Lumber Company and began making tissue products. One of the natural byproducts of paper production is hydrogen sulfide (H₂S). As awareness of H₂S impacts increased, concerns and complaints began to arise regarding the corrosive and malodorous air quality around the plant.

In response, Georgia-Pacific leadership recognized the need to further reduce H₂S levels and initiated several improvement efforts. They also conducted an internal assessment of air quality within the plant's control rooms to evaluate potential risks to critical electronics—as well as the comfort and safety of staff. The analysis confirmed that reducing H₂S levels would offer significant benefits for both employees and equipment, prompting the search for an effective mitigation solution.



THE SOLUTION

After reviewing industry options for deep bed scrubbers and chemisorbant media, GP chose PureAir's Industrial Vertical Bed System (I-VBS). This particular unit was a fiberglass reinforced plastic vessel measuring 48" in diameter. Other details included:

- FRP, 2 HP, BLOWTHRU blower
- MERV 8 prefilter, and MERV 15 final filter
- Differential pressure gauges
- Rain hood
- Sulphasorb XL™ chemisorbant media
- Real time media bed monitor

Since installation, the system has performed reliably, significantly improving air quality within control rooms. Odors have been eliminated, and staff now have confidence that critical equipment is protected—reducing the risk of downtime events and avoiding costly repairs.