



CASE STUDY

BEAST™ Bioscrubber

Wastewater Treatment Plant, Jackson, Mississippi

THE PROBLEM:

The West Rankin Utility Authority wastewater treatment plant in Jackson, Mississippi is treating between eight and 10 million gallons of wastewater a day with a capacity to treat up to 20 million gallons. The newly built plant serves state-owned facilities and customers in multiple cities, including the State Hospital at Whitfield. The process of dewatering digested biosolids releases H_2S gas in the air, which causes a very distinct and unpleasant odor. The facility needed a solution to remove the odorous gas from the air because it was receiving consistent odor complaints from the surrounding neighborhood.



THE SOLUTION:

PureAir determined the most efficient solution to remove the high volume of gases emitted at the facility is its Biologically Engineered Adsorbent Scrubby Technology (BEAST™) BST-2100 filled with Sulphasorb Si™ chemically adsorbent media. This multi-stage scrubber is specifically designed for applications with very high H_2S levels and offers fully remote monitoring capabilities. The advanced biomedium is extremely porous allowing for a large amount of surface area for odor eating bacteria to prosper. With 10+ years of life, it is easy to install and resistant to high acidity levels, offering a highly effective and maintenance free solution. Since its installation, our BEAST™ system has successfully removed 99.9% of H_2S from the air. The odor complaints have stopped making the customer very happy.



+1 678.935.1431 | Toll Free: 866.543.7479

www.PureAirFiltration.com | 6050 Peachtree Pkwy Suite 240-187. Atlanta, GA 30092 USA