



# CASE STUDY

## V-BANK TRANSITION (VTS)

### RL Sutton WWTP

#### THE PROBLEM:

Located adjacent to the Chattahoochee River, in Cobb County, Georgia, is the RL Sutton Wastewater Reclamation. The facility was operating at capacity and needed to expand. An upgrade was completed a few years later to include a Biosolids Transfer Station that could assist the City of Atlanta and other Municipalities in processing solids waste. The odor from the Biosolids Transfer Station started causing numerous complaints from neighbors, so it was clear that an additional odor control system was needed. However, the system would need to handle a very high volume of airflow containing a considerable saturation of VOCs, H<sub>2</sub>S, etc.



#### THE SOLUTION:

PureAir was named, along with a few other industry leaders, as an optional manufacturer for the odor control system. The end result was PureAir's design and bid being accepted for the project, so the operational team began to solidify details and build the massive V-Bank Transition System. Some of the details of the unit are as follows:

- Full-V System made with Fiberglass Reinforced Plastic
- Mist and Grease Filter consistent with FRP building materials of vessel
- DRAWTHRU FRP Blower
- Dimensions: 444" long, 106" tall, 138" wide
- Airflow Capacity: 40,000 CFM
- 2 Media Banks in Each Bed: Sulphasorb XL™, CPS Blend (1296 total ft<sup>3</sup>)

The unit was installed with the chemical adsorbent media in 2014, and the result was odorless air, happy staff, and a cease in complaints from neighbors. RL Sutton continues to use the Biosolids Transfer Station to assist in handling overflow waste from other facilities across the region without having to worry about escaping odors. The large VTS system proved to be a reliable investment for the facility and the neighborhood.



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