



CASE STUDY

RADIAL FLOW (RF)

Big Creek WWTP

THE PROBLEM:

The wastewater treatment plant at Big Creek in Georgia, United States had numerous and reoccurring complaints from the surrounding residential community regarding the odor from the facility. A common problem at treatment facilities, the odor needed to be eliminated through gas phase filtration of H₂S and other compounds from the air. Big Creek looked at numerous options for odor control, but the facility had unique requirements in regard to footprint and high airflow. PureAir had the answer they needed in the Vortex Radial Flow system.



THE SOLUTION:

The unique design of the radial flow unit creates a turbulent airstream through the media banks and a higher airflow capacity for filtration. This product was not offered by other leaders in the industry, and Big Creek was excited to work with a local manufacturer, with PureAir's plant located only a few miles away in Atlanta, Georgia. The details of the unit are as follows:

- RF-13-17-2 was chosen to treat 25,000 CFM of malodorous air
- The unit was constructed of HDPE
- FRP BLOWTHRU blower with 10HP
- Mist and Grease Filter
- Sulphasorb XL™ adsorbent media

The massive unit was able to meet the needs of the customer and purify the air of all odors. In return, the surrounding community no longer submits odor complaints.



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