



Case Study
Atlantic Beach WWTF
Atlantic Beach, FL, USA

Equipment:	EcoPure® EP882
Odor Source:	Headworks
Airflow:	3,000 cfm (5,097 m ³ /hr)
Design Inlet H ₂ S Range:	avg 23 ppmv, peak 47 ppmv
Actual Inlet H ₂ S:	54.08 ppmv
Avg. Outlet H ₂ S Concentration:	0.00 ppmv
Design H ₂ S Removal Efficiency:	99%
Actual H ₂ S Removal Efficiency:	100%



In 2012, the city of Atlantic Beach, Florida elected to improve their wastewater treatment facility by installing odor control equipment on site. The facility is located beside a residential area and a major road, and odor issues from the plant had begun to become a nuisance for local commuters and residents.

After researching various odor control technologies, Atlantic Beach put the project out to bid, and BioAir Solutions was selected as the odor control supplier of choice. BioAir's experience dealing with odor treatment in sensitive areas made this an easy choice. After BioAir's selection, representative from Atlantic Beach had the opportunity to visit a nearby BioAir installation, and were immediately pleased with their decision.

An EcoPure EP882 was selected for this application. EcoPure is a dual technology system, which combines the power of BioAir's proprietary EcoBase® biotricking filter media with an adsorbent polishing step. This "belt-and-suspenders" approach is particularly effective when removing odors in such close proximity to the homes of local residents, providing the assurance of zero odors at all times.

Results:

Upon delivery and installation the system immediately began removing odors, exceeding the 99% H₂S removal guarantee that BioAir Solutions had specified. This transformation has been impressive; both local neighbors and the city's facility managers are happy with their new, odorless wastewater treatment facility.

