# Airashell® Biohybrid Filter

## Odor Treatment Solution for Golf Club and Community

### **Quick Facts**

**Application:** High Capacity Pump Station

Product:

Airashell® Biohybrid Filter

Installer:

Town of Mooresville

Location:

Mooresville, NC

## Solution

and residents.

**Problem** 

Airashell uses recycled seashells in a hybrid biofiltration/biotrickling process to optimize the removal of odor compounds and to buffer pH. The town of Mooresville chose the modular Airashell for the following reasons:

Constant complaints about odor led the town of Mooresville, NC to seek a solution. A large pump station (3 MGD) located between an upscale housing community and the Mooresville Golf Club was causing issues for both golfers

- o Ability to treat high strength odor with >99% H<sub>2</sub>S removal
- o Virtually hands-off operation with no chemical addition
- o Minimal annual operation expenditure resulting in low life-cycle cost

#### Result

The installation has put an end to the constant complaints about odor from citizens. Mooresville Field Operator, Doye Baker, commented: "This system

works well with very little maintenance. Our Field Operations team is very busy and this saves us a lot of time and energy."



Left: Casey Davis (Anua)
Right: Doye Baker (Town of Mooresville)



## **Airashell Biohybrid Filter**









## Airashell Advantages

Performs under variable loading

Treats wide range of compounds

Handles wide ranging flow rate

No polishing stage necessary

Virtually hands-off operation

Built-in pH buffering

Very low water use

Neutral pH discharge water

Rapid acclimation

No nutrient feed

No chemicals required