

From Odor Complaints to Proven Control: A Wastewater Transformation in Leesburg

Location
LEESBURG, FL

End User
CITY OF LEESBURG PUBLIC WORKS

Timeframe
2020 - 2026

Background

The City of Leesburg, Florida aimed to maintain goodwill with its residents. To support this, the wastewater treatment department explored low-maintenance, cost-effective odor control solutions for lift stations. The goal was to avoid the ongoing costs associated with media replacement or chemical treatments, as well as the added operational maintenance those systems require. Their search led them to a bipolar ionization solution designed to neutralize odorous compounds at the source. In addition to controlling odors in the wet well, the technology also offered the benefit of significantly reducing corrosion of equipment, controls, and infrastructure.

The City purchased its first bipolar ionization system, the Air+ Odor Beast, for installation at Lift Station #35. Once commissioned, H₂S gas emissions from the wastewater were immediately neutralized, and odors leaving the wet well were eliminated. The system was then implemented at Lift Station #70, where it again successfully controlled both odors and corrosion.

Impact

Due to the strong performance of the Odor Beast, the City made the decision to mandate its installation at all new lift stations within city limits. Today, five systems are installed across Leesburg, with additional installations planned.

Project Highlights

- Delivered instant results, neutralizing H₂S gas emissions and eliminating odors upon installation
- Removed the need for ongoing chemical treatments and media replacement
- Drastically lower maintenance and long-term operating costs

WASTEWATER
SOLUTIONS



Superior Odor & Corrosion Control



Odor Beast Exterior



Odor Beast Interior

Installation Locations	System
Lift Station #35 – Two Systems	Odor Beast 500
Lift Station #70	Odor Beast 500
Lift Station #72	Odor Beast 500
Orange Bend Lift Station	Odor Beast 500

Air+ Wastewater Solutions

Our bipolar ionization technology releases millions of charged ions into the airstream to neutralize odors at the source while also helping to mitigate the corrosive effects of H_2S .

With no chemicals or carbon media required, the result is a lower total cost of ownership and a solution well-suited for headworks buildings, dewatering rooms, truck loading facilities, process tank headspaces, and large pump or lift stations.

