

CASE STUDY

AZZURO

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SPECIFICATIONS

Application:
Municipal Wastewater
IPS Dewatering

Air flow:
1,280 cfm and 5,011 cfm

Contaminants:
H₂S

System configuration:
1 x Torrenta 18-2 +
1 x Torrenta 36-1

Removal efficiency:
99% H₂S

Footprint:
12 ft x 9 ft & 15 ft x 23 ft

Height:
12 ft

Reactor material:
FRP

Media material:
Spacious Wire Pac (SWP)

Installed in:
November 2011



CASE STUDY: CITY OF HICKORY, NC / NORTHEAST WWTP

The Ultimate solution for Pump Stations - Small, carefree, excellent performance!
Azzuro's Top-Notch answer to odor nuisance in residential areas

REQUIREMENT

In order to meet the growing demands of an expanding community, The City of Hickory needed to upgrade and expand their existing Northeast WwTP facilities. Biological odor control was selected for treatment by the engineers due to the extremely low maintenance and cost savings associated with using biology over carbon or chemical scrubbers.

Northeast WwTP had a need for odor control at two separate areas of their plant: At their Influent Pump Station (IPS) and at the Dewatering Building. Each site needed its own independently functioning odor control system to treat H₂S.

Contractor: PC Construction, North Carolina
Engineer: McGill & Associates, North Carolina

SOLUTION

The Azzuro Torrenta 18-2 bioreactor was selected for the Influent Pump Station due to its capability of treating up to 1,200 cfm in a small footprint of 12 ft x 9 ft. At the time, no other odor control manufacturer could design a system capable of treating this much air flow in such a small footprint.

At the Dewatering Building (which has 2 belt presses), Azzuro installed its Torrenta 36-1 to treat approx. 5,000 cfm of foul air.

The system has operated with near perfection since start-up and has exceeded expectations of the engineer and owner especially during the warm Summer months. There has been no odor complaints from the surrounding community since the installation of the Azzuro system.