

CASE STUDY

AZZURO

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Azzuro - Not just for complex jobs. We enjoy straight forward ones too!

SPECIFICATIONS

Application:
Municipal Wastewater

Air flow:
27,000 cfm

Contaminants:
50 ppm H₂S

System configuration:
4 x Torrenta 36-2

Removal efficiency:
99% H₂S

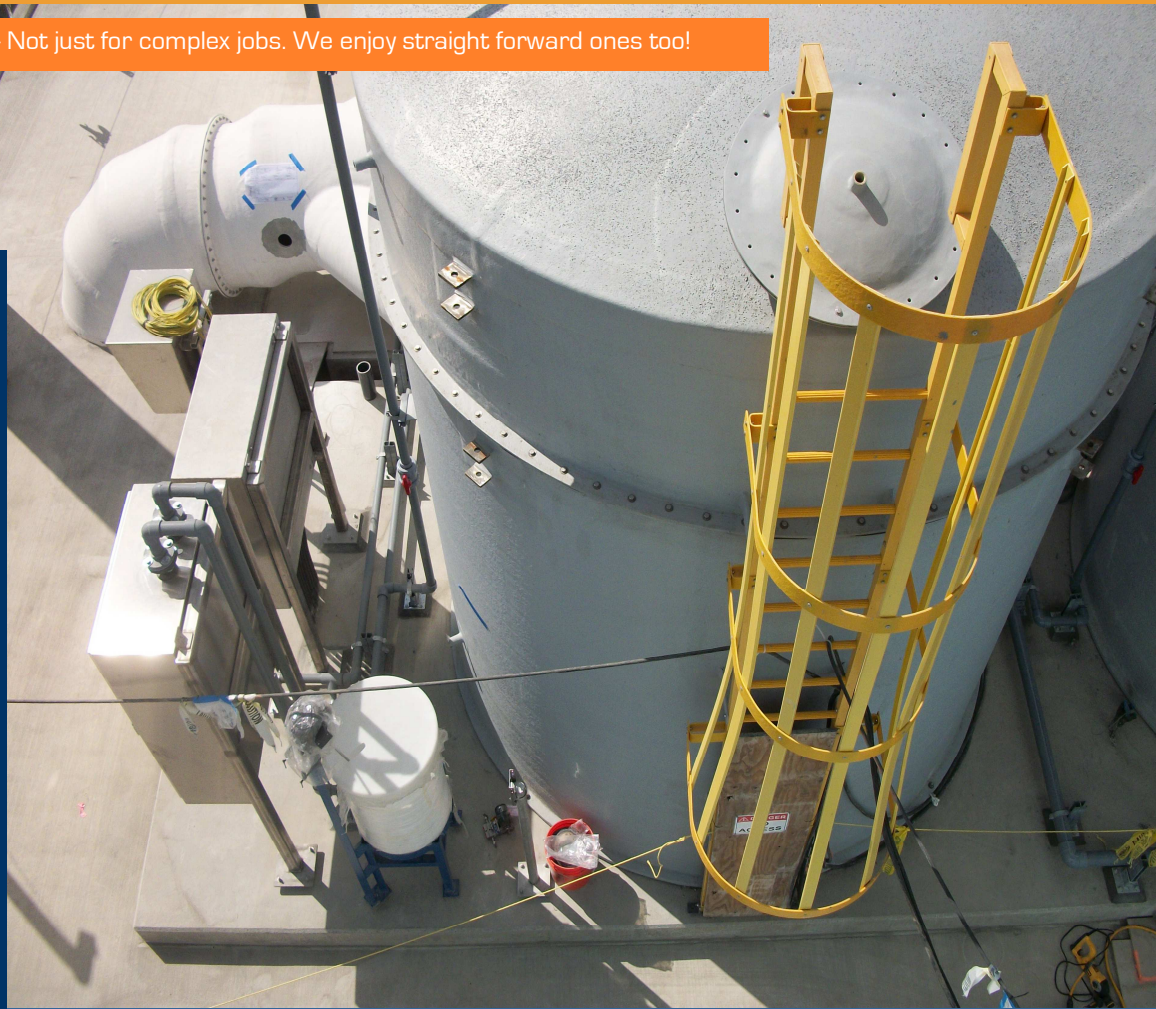
Footprint:
35 ft x 35 ft

Height:
17 ft

Reactor material:
FRP

Media material:
Spacious Wire Pac (SWP)

Installed in:
January 2010



CASE STUDY: KING COUNTY, WASHINGTON / BRIGHTWATER WWTP

REQUIREMENT

King County in Washington State, through Kiewit Corporation, contacted Azzuro requesting Azzuro provide odor control for their Influent Pump Station at the new Brightwater WwTP.

The biological scrubbers specified were part of a comprehensive strategy to treat odors with chemical addition, biological treatment and carbon polishing.

Kiewit Corporation, along with Miller Sheet Metal, selected Azzuro for this project, due to its many years of experience and outstanding results with Biological Odor Control systems.

Engineers: Brown and Caldwell

SOLUTION

A total of four (4) Torrenta 36-2 Azzuro bioreactors were installed to treat 27,000 cfm of foul air. The system includes the ability for operators to add nutrients when reclaimed effluent is not available, as "feeding" the live bacteria is essential for a healthy system.

The system has not seen the specified levels of H₂S, but continues to still meet performance by having 0.25 ppm H₂S or less at the outlet. As the WwTP grows and ages, we assume the inlet H₂S levels will increase and the system will be fully utilized at that point.

The owners and operators have been very pleased with the level of performance and lack of maintenance, which allows them to use their time more effectively during their work day.