

SPLASH SHOT





In the nation's fourth largest city, Houston, Texas, the Almeda Sims Water Resource Recovery Facility serves as one of Houston's two solids drying facilities. Combined, the two facilities produce approximately 45,000 dry tons of biosolids per year. Houston Water produces a heat-dried, Class A biosolids product called Hou-Actinite that is marketed and sold for land application as a sterile and pelletized nutrient-rich fertilizer.

The thermal drying facility (pictured here) was constructed in 2009. After years of 24/7 operation, the dryer drums needed to be replaced.

The procurement, delivery, and installation were a massive undertaking that involved numerous groups in Houston Water and associated contractors. The drying facility consists of drums dryers, furnaces, cyclone separators, fans, venture scrubbers, screens, crushers, screw conveyors, mixers, recycle bins, bucket elevators, and a regenerative thermal oxidizer.

Dudley Hall

Aisha Niang, PE, ENV SP, is Assistant Director for Houston Water, Wastewater Operations.



Two new drums were ordered, manufactured in Europe and transported on a 15-day journey by ship to Galveston, Texas. Each of the drums weighed 30,812 kg (68,000 lb). They measured 12,918-m (42.38-ft) long and 3.6 m (11.88 ft) in diameter.

Here, Felicia Rhymer, Senior Project Manager, stands next to one of the drums to provide a perspective on just how large these units are. Dudley Hall

Ensuring the smooth operation of the biosolids program are dedicated and passionate staff members. Part of this team is a diverse group of women who fill various roles in administration, engineering, project management, regulatory compliance, operations, and executive capacities. Each plays an integral part in the success of the biosolids program and in protecting Houston's waterways.

Houston Water is attracting diverse candidates with different perspectives, and, in turn, leading to better solutions for our environment. This photo includes representatives from Pakistan, St. Thomas, Nigeria, China, Peru, Iraq, Senegal, Panama, Jamaica, and the United States. This is truly a global team. Dudley Hall



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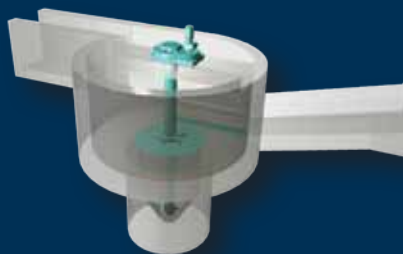
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