

Roll-Off In-Vessel Composting

Agricultural Waste Composting

CUSTOMER PROFILE

Texas A&M University Animal Research Center



CLIENT NEEDS

TAMU needed to manage dewatered manure and other agricultural by-products from the livestock pens at their animal research center. They needed an in-vessel composting system that would:

- Reliably control odors;
- Work with available agricultural equipment; and,
- Provide data for teaching and research.

THE SOLUTION

TAMU selected an in-vessel composting system that included a tractor powered mobile four-auger mixer; a self-powered vessel loading conveyor (shown below); a trommel screen for product refinement and retrieving bulking agents from the finished compost; and seven composting vessels. The system's Aeration Control and Monitoring System is sized for expansion to eight vessels.

The system features fully sealed front-loading vessels with stainless steel aeration floors. The vessel exhaust process air at the odor sensitive facility is captured and scrubbed by a biofilter situated in a open-top vessel. The control system provides continuous aeration and a real-time database for logging measured process parameters and operator comments.

