

CV Composter™

Biosolids Composting

CUSTOMER PROFILE

Ocean Shores, Washington, Wastewater Treatment Facility



CLIENT NEEDS

The City of Ocean Shores faced limited options for land applying biosolids due to annual average rainfall of over 80 inches. Rainfall also limited composting options to covered facilities, and nearby neighbors made controlling odors a priority. Additional concerns included:

- Limited number of operational staff;
- Located on the beach, with very corrosive salt air; and a,
- Rapidly growing population

THE SOLUTION

The City of Ocean Shores chose a CV Composter™ system with three composting vessels, configured for future expansion to eight vessels. The system produces Class A biosolids compost from 90 dry tons per year.

Because of the facility's remote location and limited access to roll-off trucks, ECS supplied a mobile heavy-duty four-auger mixer along with the system. The mobile mixer collects biosolids directly from their dewatering press. The mixer's weigh scales automatically shut off the belt press when the proper weight of biosolids is received. A tractor pulls the mixer to a composting vessel that is empty and already connected to the aeration lines. The mixer blends the biosolids and bulking agents together and they are loaded into the vessels using an ECS mobile vessel-loading conveyor. Using a mobile mixer in the facility operation reduces the number of roll-off truck trips necessary to load and unload the vessels.

