

AC Composter™ and CompDog™ Pilot Systems



engineered **COMPOST** systems

If you are considering a new facility, or are currently operating a windrow or static pile composting system, then you've probably thought about using a covered ASP. You've heard the promises: VOC reduction, odor control, smaller footprint, and reduced pile moisture loss. But every compost facility has a unique set of challenges. Will one method or system fit every situation? Probably not...So the question is, "Will the AC Composter™ work for me?"

We have a number of full-function pilot scale AC Composter™ and CompDog™ covered ASP systems available. They have pile sizes of ~150 cubic yards, require a modest amount of electrical power, and adapt easily to a variety of applications. The rental agreements include installation, freight, start-up, operator training, and on-going technical support. VOC, GHG, and odor emission testing, and product quality testing can be arranged through ECS.

Let us help you find the right system for you.



Control

The AC Pilot Skid has all the same features as a full AC Composter™ aeration control and monitoring system. It arrives on-site in one unit pre-assembled and pre-tested. It includes the VFD controlled aeration fan and controller, and a wireless link that sends data from the processor to your desktop PC. A web connection at your PC allows the operator and ECS to view process from remote locations.

Aeration

The negative aeration captures all process air and sends it to a simple ECS designed site-built biofilter for scrubbing odor and VOC's. Testing at the California State University at Fresno has found 100% capture of process gas and >95% reduction of VOC's through the biofilter.

A push wall (supplied by facility owner) separates the aeration system from the pile and facilitates connection to the CompDog™.

CompDog™

The CompDog™ Aeration Floor System is a cost-effective alternative to using in-slab or above-grade pipe. The CompDog™ uses an inflatable form to create aeration vaults under an ASP pile. The ASP pile is built on top of the CompDog™ and is allowed to settle overnight. In the morning, the CompDog™ is removed and leaves behind an aeration vault used for air distribution through the biomass.

The CompDog™ vaults have proven successful in food and yard waste combinations, manure, and biosolids feedstocks.



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ECS PATENTS The AC Composter™ covered aerated pile system and CompDog™ aeration floor system are covered by US Patents 7,642,090, 7,713,731, and other US and foreign patents pending.

- Facility Design
- In-Vessel
- ASP
- Automated Controls
- Client Support