

# AC Composter™ and CompDog™ Pilot 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