



## AIRFLOOR® AERATION SYSTEM



**Managed Organic Recycling, Inc. (MOR)** employs the patented aeration AirFloor® system developed and manufactured exclusively by BuildWorks System Inc., to uniformly distribute air to the compost pile. The AirFloor® technology provides for efficient pile aeration to meet the oxygen uptake rates of the microorganisms as well as subsurface leachate collection without disrupting material handling equipment when the compost piles are formed or taken down.

The aeration plenum system is provided with an AirLok™ basin at the downstream end of the plenums to collect surface leachate and direct it to a collection area for re-use or for subsequent treatment. The plenums are furnished with a self-cleaning feature that periodically flushes the plenums to prevent any buildup of solids, so that system efficiencies may be maintained over the long term.

### Total system integration & engineered solutions

The complete aeration system is designed specifically for the client's particular feedstock characteristics and recipe mix. The range of the aeration rates required are input into a customized computer program which then calculates the system's head losses, in order to determine blower horsepower and operating pressure requirements— essential for a uniform distribution along the entire plenum length, which may be as much as 175 feet. Each system is smoke tested at the project's commissioning phase to ensure that uniform distribution has been achieved.

A full-service solution can be supplied by MOR for each project, with system design, civil and structural engineering, air-flow calculations, and supply of all aeration and drainage system components

With the AirFloor® system you will optimize your compost system and achieve better control of nutrient-air-water ratios, for faster composting, higher quality product, and less odors during the process.



## KEY SYSTEM FEATURES

- The only patented system that combines in-floor air and drainage technology with full equipment access on the compost floor.
- Suitable for both in-vessel and windrow systems, in small as well as advanced waste processing and commercial composting facilities.
- Meet regulatory requirements for composting aeration, on an impervious surface, and to avoid sub-soil contamination.
- Achieve uniform air distribution in every composting cycle, year after year.
- Provides for flexible aeration rates (150-750 SCFM/6-inch AirFloor Plenum)



AirFloor® is protected by US Patent 6,746,179, and further Patents Pending. AirFloor® is a registered trademark and is manufactured by BuildWorks Systems Inc., Rosedale, BC. Canada. All rights reserved.



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