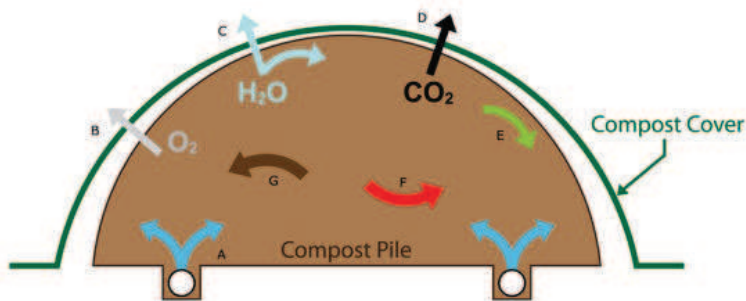


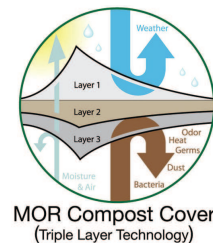
Managed Organic Recycling, Inc's (MOR) expanded Polytetrafluoroethylene (ePTFE) compost cover is the latest in semi-permeable membrane cover technology. The MOR compost cover is stronger, offers more ultraviolet (UV) protection, retains less water (thus lighter), and has a lower freezing temperature than other competing designs. The MOR compost cover allows compost facilities to meet their air pollution standards without additional control devices, such as, biofilters or enclosed buildings. It also eliminates fugitive emissions including particulate matter (less than PM 2.5) and bioaerosols.

The MOR compost cover is designed to work with the aerated static pile composting technology under positive aeration. It retains heat and moisture for optimum composting conditions. In addition to its specially sized micropore openings, the ePTFE membrane traps a condensate layer under to cover that capture about 90 percent of the volatile organic compounds (VOCs) and malodorous emissions that occur during the initial phases of organic decomposition. Since the compost cover separates precipitation from the organic mix and leachate generation is less treatment of these liquids is greatly reduced.

FIGURE OF OUR PILE



TRIPLE LAYER COVER



- A: Air is released throughout the heap in intervals using a 6" pipe. This pumps necessary oxygen to the micro-organisms that aid in decomposition.
- B: Oxygen is released.
- C: Moisture is both contained and released.
- D: Carbon Dioxide molecules escape.
- E: Micro-organisms accelerate decomposition.
- F: Heat is trapped.
- G: Odor and VOCs are contained.

Benefits:

- Odor/VOC emission reduction > 90 %
- Temperature and moisture control
- No additional emissions control technologies
- Lower capital costs than other in-vessel systems