

## **Dairy Issues Addressed By RePeat And FibeRite.**

1. **Odor.** The FibeRite in-vessel system contains all odors post digestion. Collected emissions are passed through a biofilter for volatile capture and conversion.
2. **Ammonia.** Since all gases are captured, ammonia emissions are captured and again react with the biofilter.
3. **Runoff.** All fiber is contained in the patented fiber conditioning unit, making runoff a non-issue.
4. **Leachate.** Total containment makes it impossible for the processing fiber to release any leachate into the ground.
5. **Land.** The FibeRite system takes up less than one-fourth the space required for windrow composting. In addition, the site preparation isn't extensive - the area needs only to be flat.
6. **Permitting.** Since there is minimal environmental impact, permitting requirements are reduced and easier to comply with.
7. **Operations.** It is estimated that the cost of operations of a FibeRite facility is about one-half the cost of a traditional compost facility. Cost savings are realized as follows:
  1. Fuel – less on farm transport due to the smaller footprint;
  2. Labor – less personnel is needed to operate FibeRite
  3. Maintenance - It is estimated that the cost of maintenance of a FibeRite facility is about one-fourth the cost of a compost site.
  4. Equipment – less on site transport, fewer tractors,
8. **High Value Product.** RePeat generated at a FibeRite facility has a value about double that of compost.
9. **Contaminants.** RePeat is not disturbed during processing. As a result, there is no foreign matter, such as dirt and rock, turned in to the material while processing.
10. **Shipping.** Finished RePeat weighs less than half of finished compost, resulting in fuller loads and less transport costs per yard. In addition, more types of transport can be utilized such as curtain vans and flatbeds.
11. **Bio-security.** Material processed in-vessel minimizes contamination of material under process; helps protect from reintroduction of pathogens by migration.
12. **Carbon Credits.** By minimizing emissions of by-products, environmental credits are likely available.