

Anaerobic Digesters Use Natural Processes to Break Down Liquid Waste.

Think Green.®

There is a new way to produce energy from organic waste liquids that is clean, renewable and, best of all, provides generators with virtually total waste destruction.

Anaerobic Digestion Technology is Waste Management's solution for companies that need to dispose of liquid waste containing simple and/or complex organic compounds. Using specially engineered micro-organisms to accelerate the breakdown that occurs naturally in the environment, Anaerobic Digestion Technology produces clean-burning gases that can be harnessed to produce electrical energy while at the same time providing the industry with a safe, lower-cost alternative to conventional liquid waste disposal.

Anaerobic Digestion Technology is cost-efficient, environmentally friendly and contributes to America's ongoing search for alternative energy sources. It's the perfect low-cost, high-yield waste solution for companies that produce such liquid wastes as:

- Grease trap wastes
- Food processing wastes
- Off-spec beverages
- Yeasts/brewery wastes
- Pharmaceutical wastes



Anaerobic Digestion Technology uses specially engineered micro-organisms to accelerate the natural breakdown of liquid wastes in a secure and secluded environment.

Anaerobic digestion is a process that has proven itself effective worldwide. The process occurs as follows:

- Liquid wastes are homogenized to produce a consistent feedstock
- The homogenized waste is introduced into a sealed, oxygen-free environment in a continuous feed process
- The waste reacts with anaerobic micro-organisms under controlled conditions
- Treated wastes are tested and discharged in accordance with the facility's Discharge Authorization (DA) issued by the local Publicly Owned Treatment Works (POTW)



Food processing wastes, grease trap wastes and other organic liquids are perfect candidates for anaerobic digestion.

The anaerobic digestion process produces:

- Large volumes of quality methane that is usually used on-site to drive methane-fueled electrical generators and heat exchangers
- Grease that, separated via further treatment, can be used as an alternative liquid fuel
- Low-strength liquid wastes that can be discharged to the local POTW or fed into an on-site aerobic treatment plant
- Class A sludge with the potential to be used as a high-quality soil amendment

WASTE MANAGEMENT'S ANAEROBIC DIGESTION FACILITY

Waste Management's Anaerobic Digestion Facility is centrally located in Calumet City, Illinois, just south of Chicago. The facility is easily accessible by tanker truck and Waste Management can arrange transportation upon request.

For more information about Waste Management's Anaerobic Digestion Technology, contact our Technical Service Center in Illinois at 800-WMDisposal (800-963-4776) or log onto www.WMDisposal.com.

From everyday collection to environmental protection, Think Green.® Think Waste Management.

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