

DOCUMENT 12

COLLECTION OF RENDERABLE AND NON-RENDERABLE FOG

RENDERABLE FAT, OILS AND GREASE

The cleaning of utensils, cookware, equipment, grills, deep fat fryers and all equipment that comes into direct contact with food from the beginning of the preparation stages to the final cleanup of eating utensils are potential sources of FOG in wastewater. The materials collected in the grease traps are from both animal and vegetable sources. Animal sources include drippings from cooked meats; butter, lards and other animal based cooking materials. Vegetable sources include nuts, cooking oils, grain oils and cereals. Renderable FOG includes the FOG that is not exposed to other wastes. It includes fryolator oil, grease and oil from hoods, and materials taken directly from utensils and pans.

The process of rendering is used to separate different classes of these products for reuse and resale. Rendering services process the FOG, separating the recyclable components for reuse.

There are two steps involved in the disposal of renderings. The first is the collection of the renderable materials and the second is the actual processing of the material after it is collected.

COLLECTION

Companies that collect FOG from food industries are listed in the following table. These companies provide a pick-up service for the FOG generated at food preparation establishments. They provide storage containers for use on site and usually provide a regular collection schedule. They view the collected FOG as a commodity that can be sold for reuse. In most cases, the material will be delivered to a rendering plant where it will be tested to determine the properties and check for contaminants. After the material has been testing it will be filtered, processed both mechanically and chemically, and ultimately resold for use in a variety of products including cosmetics, soaps lubricants, and animal feeds.

Table 12-1
Companies that Collect Renderable FOG Generated in Connecticut¹

Name	Location	Phone
Baker Commodities, Inc	Warwick, RI	(401) 821-3003
A & K Waste Systems Inc.	Southwick, MA	(617) 442-6732
American By Products Co.	Lynn, MA	(781) 593-3580
Western Mass Rendering Co.	Southwick, MA	(413) 569-6265
Environmental Service Co.	Mastic Beach, NY	(631) 395-9888
Environmental Service Co.	North Babylon, NY	(516) 485-8282
Mopac	Levittown, NY	(516) 796-3917
Mopac	Lindenhurst, NY	(631) 888-0233
American Rendering Corp.	Newark, NJ	(973) 589-5994
Darlington International	Newark, NJ	(800) 842-5927
Quaker Soap Co.	Newark, NJ	(973) 465-1900

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NON-RENDERABLE FAT, OILS AND GREASE

Non-renderable FOG includes all FOG materials that are not renderable, including FOG exposed to sewage or other wastes, and FOG contaminated with toxic materials. Materials that may be found in non-renderable FOG include human wastes heavy metals, pesticides or other toxic materials. When these substances are found, the material is either buried in special waste landfills or burned for disposal.

COLLECTION

Grease Trap/Interceptor Cleaners collect non-renderable FOG from FOG interceptors and transport it to Regional FOG Disposal Facilities for storage and thickening prior to disposal. The thickening process reduces the volume of the final product that will be disposed of, by removing much of the water. Thickening can significantly lower the volume, lowering the cost of transportation and disposal.