



Biodiesel Fact Sheet

- The goal of the Biodiesel Program is to reduce carbon emissions, keep grease out of the landfill, reuse waste as an energy source, and support green initiatives in Alaska.
- Alaska Waste collects approximately 12,000 gallons of used cooking oil each month.
- We service 240 restaurants, grocers, and institutions between Girdwood, Anchorage, Eagle River, Palmer and Wasilla.
- Some of our customers include Fred Meyer, Carrs/Safeway, McDonalds, Carls Jr., Dairy Queen, WalMart, Glacier Brewhouse/Orso, Gwennies, TGI Fridays, The Lucky Wishbone, and The Peanut Farm.
- Customers are offered 3 types of grease tanks depending on their grease output- 33 gallon, 85 gallon and 200 gallon.
- Hot oil from the fryer is screened into collection vessels that are pumped on a scheduled service.
- Alaska Green Waste Solution's facility has an annual capacity to produce 250,000 gallons of biodiesel.
- Biodiesel is made by combining methanol, sodium hydroxide and sulfuric acid with used cooking oil. Under controlled conditions a chemical reaction occurs that transforms the cooking oil into usable biodiesel.
- Biodiesel is a cleaner form of fuel that produces 68% less air polluting hydrocarbon emissions than regular diesel fuel.
- Biodiesel can be used in its pure form (B100) or it can be blended with regular diesel fuel.
- Based on a B30 blend, Alaska Waste will reduce carbon emissions by 20%.