



Purpose:

The U.S. Environmental Protection Agency (EPA) Region 4 office in Atlanta, Georgia, has convened this workshop to provide an overview of local-scale waste grease-derived biodiesel production and use. The primary goal of the workshop is to provide an overview of the technical process and associated benefits, requirements, and challenges related to biodiesel production and use by individual organizations. For example, city and county governments could use local food service grease to produce biodiesel for use in local government vehicles (e.g., garbage trucks, fire engines). School districts can use biodiesel production as a way to displace petroleum use in school-owned diesel equipment and teachers can use the process to engage students in learning about biofuels and other clean energy technologies in the classroom setting.

Expected Results / Outcome:

An increase in the safe production and use of economically and environmentally attractive high quality grease-derived biodiesel at the local scale across the Southeastern United States.



This conference is cosponsored by the U.S. Environmental Protection Agency Region 4 and the Southeast Diesel Collaborative. For questions about the workshop, please contact Dr. Ken Mitchell, EPA Region 4 Energy and Climate Change Coordinator, at 404-562-9065 or mitchell.ken@epa.gov.



EPA Region 4 Biodiesel Workshop

Final Agenda 10/08/09



*Atlanta, Georgia
October 14 and 15, 2009*

Wednesday, October 14, 2009

Noon – 5:00 pm	Sam Nunn Atlanta Federal Center, Main Tower Building, 2 nd Floor Conference Center	Registration
Noon – 6:00 pm		Vendor Area Open
1:00 pm		Welcome Stan Meiburg, Regional Administrator (Acting) EPA Region 4
1:15 pm – 1:30 pm		Introduction and Workshop Goals - Elizabeth O'Sullivan/EPA Region 4
1:30 pm – 2:30 pm		Biodiesel Process Overview – Dan Geller/University of Georgia Goal/Outcome – To provide an overview of the biodiesel production process, including grease collection, conversion to biodiesel, fuel specifications, and waste management
2:30 pm – 3:00 pm		Case Study: Hoover, Alabama – Mark Bentley/Alabama Clean Fuels Coalition Goal/Outcome – An overview of a successful grease-to-fuel program in a real Southeastern community, what it took to get there, and how it stays productive and relevant.
3:00 pm – 3:20 pm		Afternoon Break
3:20 pm – 4:20 pm		Case Study: School Programs and Curriculum <ul style="list-style-type: none"> • Key West (FL) High School Program - Josh Clearman/Key West High School • Developing a Biofuels School Curriculum - Erin Gowron/Heritage High School Goal/Outcome – Teachers will learn how to develop a curriculum to provide hands-on instruction in biodiesel manufacture in a high school setting. Case studies will illustrate what works in two different schools.
4:20 pm – 4:50 pm		Safety Considerations – Jason Allen/Georgia State Fire Marshal's Office Goal/Outcome – An understanding of the safe handling of both biodiesel fuel and the chemicals used to produce it from grease.
4:50 pm – 5:10 pm		Environmental Benefits of Biodiesel – Ken Mitchell/EPA Region 4 Goal/Outcome – To provide an overview of the environmental benefits of biodiesel, including a discussion of greenhouse gas emission reductions.
5:10 pm – 5:15 pm		Summary of the Day and Questions - Elizabeth O'Sullivan/EPA Region 4
5:15 pm		Adjourn (Vendor Area Open Until 6:00 pm)
Evening		Dinner On Your Own

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Thursday, October 15, 2009

8:00 am – 10:00 am	Sam Nunn Atlanta Federal Center, Main Tower Building, 2 nd Floor Conference Center	Registration
8:00 am – 1:00 pm		Vendor Area Open
8:30 am – 9:00 am		<p>Developing a Successful Community Grease Recycling Program - John Christmas/Biofuels Racing Alliance</p> <p>Goal/Outcome – An understanding of what it takes to set up and run a successful grease collection program, including collection stations, competing with other organizations for waste grease, and ensuring the consistent quality and quantity of your feedstock.</p>
9:00 am – 9:30 am		<p>Biodiesel Program Costs and Savings – Dan Geller/University of Georgia</p> <p>Goal/Outcome – An understanding of the costs associated with producing biodiesel from grease and how that compares to petroleum-derived diesel; potential funding sources.</p>
9:30 am – 10:15 am		<p>Regulatory Requirements – Karrie-Jo Shell/EPA Region 4 and Teresa Shiflett/Georgia EPD Small Business Environmental Assistance Program</p> <p>Goal/Outcome – An overview of regulations that may apply to a small-scale biodiesel production facility, including waste, water, air, and emergency preparedness and response requirements.</p>
10:15 am – 10:30 am		Morning Break
10:30 am – Noon		<p>Biodiesel Myths and Challenges, Panel Discussion and Questions from the Audience – Dan Geller/University of Georgia (Moderator)</p> <ul style="list-style-type: none"> • Rod Trump/York Technical Institute • Dr. Stephen Smith/Southern Alliance for Clean Energy/CleanEnergy Biofuels • Tony Petelos/Mayor, City of Hoover, AL • David Lindon, Fleet Management Director, City of Hoover, Alabama • R.J. Inman/St. Johns County, Florida, Biofuels Department <p>Goal/Outcome – To provide an overview and discussion of some of the myths and challenges facing the successful implementation of a local biodiesel program, including vehicle warranty concerns, seasonal fuel blends, and safety considerations.</p>
12:00 pm – 12:15 pm		<p>Summary of the Morning Session, Questions, and Adjourn - Elizabeth O'Sullivan/EPA Region 4</p>
1:00 pm		Vendor Area Closes