Breakout Session Report

Session One: Field to Plant

3:15 – 3:30 pm

Facilitator: Donald Erbach
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Scribe: Liz Austin
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Overview

- We began by discussing the primary issues facing biofuels standardization from field to plant… meaning up to the throat of the reactor at the conversion facility.

  - What are the issues that immediately come to mind?

  - Where do these fall in relation to the Potential Biofuel Implementation Barriers identified in the DOE’s January 2007 document?
Primary Implementation Barriers

- Physical and chemical feedstock characteristics – standard feedstock reference material; feedstock quality characteristics
  - AOCS for oil seeds and animal/veg. fats
  - ASTM has carbohydrate standards
  - ASABE has forages standards
  - NIST will produce reference material needed
Primary Implementation Barriers

- Harvesting issues/feedstock preprocessing – dust, fire, noise, safety, storage, etc.
  - ASABE
  - USDA
  - EPA
  - NFPA
Primary Implementation Barriers

- Harvesting and production efficiency
  - ASABE
  - USDA through land grant
  - SAE (TAG Administrator)
Additional Implementation Barriers

- Feedstock mixing - how to mix and composition
  - ASABE (animal feed, may be applicable)

- Transportation characteristics – vehicle size/load capacity/density of feedstock cargo
  - DOT
  - SAE
  - ASABE
  - EPA
  - Individual states
Additional Implementation Barriers

- Residue removal
  - ASABE
  - USDA
  - DOE
  - EPA
  - NIST

- Utilization of underutilized wastes
  - USDA
  - DOE
Additional Implementation Barriers

- Logistics guide – feedstock supply chain
  - ASTM
  - USDA
  - DOE
  - ISO TC 34 working group 12