



Breakout Session Report

Session One: Field to Plant

3:15 – 3:30 pm

Facilitator: Donald Erbach
President-Elect
American Society of Agricultural and Biological Engineers

Scribe: Liz Austin
Communications Manager
American National Standards Institute

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

