

Abengoa Bioenergy Biomass of Kansas, LLC

Corporate HQ: Chesterfield, Missouri

Proposed Facility Location: Colwich, Kansas

Description:

This project from a committed long-term player has the potential to demonstrate dual biochemical and thermochemical capabilities.

CEO or Equivalent: Javier Salgado (CEO of Abengoa Bioenergy)
Gerson Santos-Leon, Director ABBK

Participants: Abengoa Bioenergy R&D, Abengoa Engineering,
Antares Corp., Taylor Eneengineering

Production:

- 11.4 million gallons/year and sufficient energy to power the operation and sell excess energy to the co-located dry-grind ethanol production plant
- Both ethanol and syngas production, with long term strategy of using the syngas for ethanol and chemicals production

Technology & Feedstocks:

- Thermochemical and biochemical processing of 700 tons/day of corn stover, wheat straw, milo (sorghum) stubble, switchgrass, and other opportunity feedstocks

State of Readiness:

- Abengoa is building a 1.2 ton/day facility at York, NE to evaluate an integrated bioprocess under a current DOE award and a 70 ton/day integrated process for both the bio and thermochemical processes in Spain.
- Both plants are under construction and will be starting operations in 2007.
- Integrated commercial plant construction starts in late 2008 and planned project completion is in late CY 2011.