

FINAL DETERMINATION

Air Construction Permit
INEOS New Planet BioEnergy—Indian River County BioEnergy Facility
Air Permit No. 0610096-002-AC

PERMITTEE

INEOS New Planet BioEnergy (INPB)
2600 South Shore Blvd, Suite 500
Marina View Building
League City, TX 77573

Authorized Representative:
Mr. David King, President

PERMITTING AUTHORITY

Florida Department of Environmental Protection (Department)
Division of Air Resource Management
Office of Permitting and Compliance
2600 Blair Stone Road, MS #5505
Tallahassee, Florida 32399-2400

PROJECT

Air Permit No. 0610096-002-AC
Indian River County BioEnergy Facility

The facility will produce approximately 8 million gallons per year of ethanol from a biomass feedstock consisting of vegetative yard waste, clean woody construction and demolition debris and municipal solid waste (MSW). It will also generate a small amount of electricity available for commercial use (about 2 megawatts). Construction of the facility has commenced, and INPB has requested adjustments to the construction permit to reflect proposed changes in the facility's design.

This project consists of modifications to the construction permit to reflect the current plans for how the facility will be built. Other than clarifications and minor corrections, the major changes in this project consist of the following:

- Modified the materials handling area to reflect four smaller diesel engines instead of one large engine.
- Updated the fermentation and distillation system requirements to reflect two scrubbers instead of a single scrubber and desulfurization unit.
- Altered the MSW trial period so that instead of requiring a follow-on permit application to authorize routine processing of MSW, the permit will grant authority to process MSW on a routine basis at feed rates for which compliance has been demonstrated.
- Authorized the installation of a larger vent gas boiler and required installation of post-combustion controls (sorbent injection followed by a fabric filter).
- Increased the authorized capacity (gallons) of the product and denaturant storage tanks.
- Eliminated the desulfurization unit and its associated oxidation tank, and replaced two flares (gasifier flare and syngas flare) with a single, larger flaring system (syngas flare).

NOTICES AND PUBLICATION

The Department received the application for an air pollution construction permit on July 23, 2011. On August 31, 2011, the Permitting Authority gave notice of its intent to issue an air permit to the applicant for

the described project. The applicant published the Public Notice of Intent to Issue Air Permit for this project on September 12, 2011 in the Indian River Press Journal.

The complete project file including the application, draft permit, technical evaluation and preliminary determination and key correspondence are available at the following web link:

http://www.dep.state.fl.us/air/emission/bioenergy/indian_river.htm

COMMENTS ON THE DRAFT PERMIT

No comments were received from the public and no comments were received from INPB on the draft permit.

CONCLUSION

The final action of the Department is to issue the permit without any changes to the draft permit.