

## FINAL DETERMINATION

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### PERMITTEE

INEOS New Planet BioEnergy, LLC  
925 74<sup>th</sup> Avenue  
Vero Beach, FL 32968-9702

### 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

Permit No. 0610096-007-AC)  
Minor Source Air Construction Permit Modification  
Addition of Hydrogen Cyanide Scrubber

INEOS New Planet BioEnergy, LLC (INPB) is operating the Indian River County BioEnergy (INEOS Bio) facility to produce ethanol from synthetic gas (syngas) generated from the gasification of a biomass feedstock. This project is for the modification of a previously issued air construction permit (Permit No. 0610096-004-AC). Specifically, this project authorizes INPB to construct and operate a wet scrubber to remove the hydrogen cyanide (HCN) from the syngas after the gasification process at the INEOS Bio facility. This additional cleanup system will reduce the HCN concentration in the syngas to a level that is not harmful to the bio-organisms used in the ethanol fermentation process.

This project consists of the following emissions units (EU). The wet scrubber installation will affect EU 003 the Gasification, Fermentation and Distillation Systems (highlighted in yellow).

EU No.	Emission Unit Description
001	Materials Handling Area
002	Feedstock Dryers No. 1 and No. 2
003	Gasification, Fermentation and Distillation Systems
004	Distillation Unit Fugitive Emissions
006	Vent Gas Boiler
007	Tank Farm
008	Loadout Flare
010	Syngas Flare
011	Emergency Equipment

This project was **not** subject to PSD preconstruction review in accordance with Rule 62-212.400, F.A.C.

### NOTICE AND PUBLICATION

The Department distributed a draft air construction permit modification package on June 9, 2014. The applicant published the Public Notice in the Indian River Press Journal on June 26, 2014. No requests for administrative hearings or requests for extensions of time to file a petition for administrative hearing were received.

### COMMENTS

No comments on the Draft Permit were received from the public, the EPA Region 4 Office or the applicant.

### CONCLUSION

The final action of the Department is to issue the final permit with no changes from the draft permit.