FINAL DETERMINATION

Air Construction Permit
Okeelanta Cogeneration Plant
Natural Gas Burner Installation Project – Cogeneration Boiler A
DEP File No. 0990332-019-AC

PERMITTEE

New Hope Power Company
Okeelanta Cogeneration Plant
8001 U.S. Highway 27 South
South Bay, Florida 33493

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

DEP File No. 0990332-019-AC
Cogeneration Boiler A
Installation of Natural Gas Burners
Palm Beach County

Cogeneration Boiler A currently burns biomass (bagasse and wood) as its primary fuel and No. 2 fuel oil (maximum sulfur content of 0.05 percent by weight) as a supplemental fuel to generate steam. The permittee requested authorization to install four natural gas burners in Cogeneration Boiler A. Each natural gas burner will have a rating of 100 million Btu per hour (MMBtu/hour) for a total natural gas firing capability of 400 MMBtu/hour. Cogeneration Boiler A was previously permitted to burn natural gas (Permit Nos. 0990332-013-AC/PSD-FL-196L through 0990332-017-AC/PSD-FL-196P); however, the natural gas burners were never installed in the boiler. Once the burners are installed, natural gas will be burned as a supplemental fuel, similar to the manner in which No. 2 fuel oil is currently burned. Biomass will remain the primary fuel. Natural gas will be used as for flame and load stabilization, as well as during periods of startup, shutdown, and malfunction. Additionally, natural gas may be fired alone at certain times up to the full natural gas firing capability. As already required by an existing permit (Permit No. 0990032-017-AC/PSD-FL-192P), fossil fuels will not be burned for more than 25 percent of the heat input to the boiler during any calendar quarter.

This project did not require a review under the state's rules for the Prevention of Significant Deterioration (PSD) of Air Quality.

NOTICES AND PUBLICATION

New Hope Power Company submitted an air construction permit application on March 15, 2012. On May 2, 2012, 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 May 14, 2012 in Palm Beach Post.

COMMENTS ON THE DRAFT PERMIT

No comments were received from the applicant, the public or the EPA on the draft permit during the 14-day comment period that ended on May 28, 2012.

CONCLUSION

The final action of the Department is to issue the final permit.