FINAL DETERMINATION

Air Construction Permit
New Hope Power Company
Modification of Activated Carbon Injection (ACI) Requirement
DEP File No. 0990332-020-AC (PSD-FL-196Q)

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 (OPC)
2600 Blair Stone Road, MS #5505
Tallahassee, Florida 32399-2400

PROJECT

DEP File No. 0990332-020-AC (PSD-FL-196Q)
Modification of ACI Requirement
Palm Beach County

New Hope Power Company requested modification of the requirement to install activated carbon injection (ACI) systems on Cogeneration Boilers A, B and C at the Okeelanta Cogeneration Plant. Currently each cogeneration boiler at the plant has a mercury emission limit of 5.4×10^{-6} pounds per million British thermal units of heat input as listed in Specific Condition 16 of Section III of Air Construction Permit No. 0990332-017-AC (PSD-FL-196P). In addition, if two or more cogeneration boilers exceed the annual mercury emission limit, ACI systems must be installed on all three units and a mercury testing protocol must be submitted to the Department that is designed to establish an effective carbon injection rate to control Hg emissions and meet the emission standard. Since no boiler has failed the annual mercury compliance test, this revision modifies the permit to remove the ACI systems while stipulating that the systems must be re-installed, if necessary.

This project is not subject to PSD preconstruction review in accordance with Rule 62-212.400, F.A.C. A determination of Best Available Control Technology (BACT) was not required.

NOTICES AND PUBLICATION

New Hope Power Company submitted an air construction permit application on May 9, 2012. On June 21, 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 June 29, 2012 in the Palm Beach Post. The complete draft permit package is available at the following web link by entering the permit number given above:

http://appprod.dep.state.fl.us/air/emission/apds/default.asp

COMMENTS ON THE DRAFT PERMIT

No comments were received from the public, the EPA or the applicant on the draft permit during the 14-day comment period that ended on July 12, 2012.

CONCLUSION

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