FINAL DETERMINATION

Air Construction Permit
Florida Power & Light (FPL)
Manatee Power Plant
DEP File No. 0810010-017-AC

PERMITTEE

Florida Power and Light
19050 State Road 62
Parrish, FL 34219

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. 0810010-017-AC
Minor Air Construction Permit
Manatee Power Plant

The FPL Manatee Power Plant is an existing fossil fuel steam electric generating power plant. The facility includes two fossil fuel steam electric generators (Units 1 and 2) and a natural gas and distillate-fueled combined cycle unit (Unit 3). Units 1 and 2 are fired primarily with residual fuel oil and natural gas. Each is rated at approximately 800 megawatts (MW) of electrical output. Each unit is equipped with a flue gas recirculation system; staged combustion; and gas reburn technology to control nitrogen oxides (NO_X) emissions. Each unit is equipped with multiclones to control particulate matter. FPL is presently designing and constructing an electrostatic precipitator on each unit to further control particulate emissions.

FPL requests an increase to the natural gas firing permitted capacity from 5,670 to 8,650 MMBtu/hour/unit to displace more residual fuel oil. FPL also proposes a lower sulfur fuel oil content of 0.7% alone or co-fired with a requisite of natural gas. The benefits of increasing natural gas firing capability and limiting the sulfur content of their fuel include lower sulfur dioxide, particulate matter, nitrogen oxide and visible emissions as well as smog (ozone) and fine particulate matter formation.

NOTICE AND PUBLICATION

On July 18, 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 August 9 in the The Bradenton Herald.

The complete project file including the Application, Draft Permit, Technical Evaluation and Preliminary Determination (TEPD) and key correspondence are available by entering permit No. 0810010-017-AC on the following web site:

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

COMMENTS ON THE DRAFT PERMIT

The applicant did not submit comments pursuant to the 14-days comment period regarding the draft permit. No comments were received from the public, EPA or other agencies on the draft permit during the comment period that ended on August 22, 2012.

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CONCLUSION

The final action of the Department is to issue the final permit with no changes from the draft issued on July 18, 2012.