

**Memorandum**

Florida Department of  
Environmental Protection

TO: Howard L. Rhodes  
THRU: Clair Fancy *[Signature]*  
A. A. Linero *[Signature]* 12/15  
FROM: Teresa Heron *[Signature]*  
DATE: December 15, 2000  
SUBJECT: FPL Ft. Myers 340 MW Simple Cycle Project  
DEP File No. 0710002-009-AC and PSD-FI-298

Attached is the final package for the Ft. Myers 340 MW Simple Cycle Combustion Turbine Project. The application is for installation of two simple cycle units to provide additional power at the Fort Myers Plant.

Each unit is a 170 MW General Electric MS7241FA gas-fired combustion turbine-generator. The project also includes two heaters to heat the natural gas prior to use and individual stacks for each emission unit.

Each unit will be allowed to operate 8760 hours per year including 500 hours in high power mode (HPM) and 500 hours on fuel oil. NOX and CO emissions will be controlled by DLN-2.6 combustors capable of achieving 9 ppmvd for each pollutant while firing natural gas. Permitted emissions will be as follows in ppmvd.

Case	NO <sub>x</sub>	CO	VOC (BACT)
Base (natural gas)	10.5	9	1.5
High Power Mode	15	15	1.5
Fuel Oil	42	20	3.5

Emissions of sulfur dioxide (SO<sub>2</sub>), sulfuric acid mist (SAM), and particulate matter (PM/PM<sub>10</sub>) will be very low because of the inherently clean pipeline quality natural gas and few hours of operation on fuel oil.

We have determined on a preliminary basis that the project nets out of PSD for all pollutants (except for VOC) because of the very substantial emissions reductions resulting from the on-going repowering project at the site.

We recommend your approval.

AAL/th  
Attachments

*JMY 90 13 1/20/01*