PERMITTEE

Florida Power Corporation
d.b.a. Progress Energy Florida, Inc.
299 First Avenue North, BR44
St. Petersburg, Florida 33701

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

Final Permit No. 1030012-007-AV
Title V Air Operation Permit Renewal
Higgins Power Plant

The purpose of this project is to renew the Title V air operation permit for the above referenced facility.

NOTICE AND PUBLICATION

On July 17, 2012, the Department distributed an Intent to Issue Air Permit package that included a draft/proposed permit for EPA review. The applicant published the Public Notice of Intent to Issue Air Permit in the Tampa Bay Times on August 1, 2012. The Department received the proof of publication on August 6, 2012.

COMMENTS

No comments on the proposed permit were received from the EPA Region 4 Office or the public.

On August 29, 2012, the Department received comments on the draft/proposed permit renewal from the applicant during the 30-day comment period. The comments will result in clarifications and corrections that are not considered significant enough to reissue the draft/proposed Title V air operation permit and require another Public Notice; therefore, the final Title V air operation permit includes the following amendments. Additions to the permit are indicated below by double underline. Deletions from the permit are indicated below by ~~strikethrough~~.

1. **Placard Page.** The latitude and longitude are corrected as follow:

   The purpose of this project is to renew the Title V air operation permit for the above referenced facility. The existing Higgins Power Plant is located at 998 East Shore Drive, Oldsmar, Pinellas County, Florida 34677. UTM Coordinates: Zone 17, 336.5 km East and 3098.4 km North; Latitude: 28° 00' ~~02~~11" North and Longitude: 82° 39' ~~46~~41" West.

2. **Section III. Subsection A. Specific Condition A.1.** Re-insert permitting notes after the permitted capacity table.

   A.1. Permitted Capacity. The maximum allowable heat input rate for each combustion turbine peaking unit is as follows:

Emissions Units	Maximum Heat Input MMBtu/hour at 59°F	Fuel Type
CTP 1	566 MMBtu/hour	No. 2 fuel oil, maximum sulfur content of 0.5% by weight, or Natural gas, maximum sulfur content of 1 grain/100 dscf
CTP 2		
CTP 3	631 MMBtu/hour	
CTP 4		

{Permitting note: The heat input limitations have been placed in each permit to identify the capacity of each unit for the purposes of confirming that emissions testing is conducted within 90 to 100 percent of the

unit's rated capacity (or to limit future operation to 110 percent of the test load), to establish appropriate emission limits and to aid in determining future rule applicability. Regular record keeping is not required for heat input. Instead the owner or operator is expected to determine heat input whenever emission testing is required, to demonstrate at what percentage of the rated capacity that the unit was tested. Rule 62-297.310(5), F.A.C., included in the permit, requires measurement of the process variables for emission tests. Such heat input determination may be based on measurements of fuel consumption by various methods including but not limited to fuel flow metering or tank drop measurements, using the heat value of the fuel determined by the fuel vendor or the owner or operator, to calculate average hourly heat input during the test.}

[Rules 62-4.160(2), 62-210.200(PTE), and, AO52-216420, AO52-216421, AO52-216422, and AO52-216423]

3. The Applicant's request regarding a fuel consumption permitting note was withdrawn by an e-mail sent on September 4, 2012.

4. Section III. Subsection A. Specific Condition A.20.

A.20. Temporary Use of Replacement Combustion Turbine (CT). Facility routine repair and overhaul of the modular CTs, temporary use of identical CT model replacement unit is authorized as follows:

a. The temporary replacement CT shall comply with the requirements of this permit.

b. No less than 7 days prior to installation, the permittee shall provide written notification (by letter, facsimile, or e-mail) to the Compliance Authority of the planned installation date of the temporary CT. Written notification shall include the following information:

(1) Identification of the CT being replaced (emission unit number and facility location).
(2) Identification of the temporary replacement CT including make and model.
(3) Date the temporary replacement CT will be brought onsite ~~and commence operation~~.
(4) Expected period of time the temporary replacement CT will ~~be operated~~ remain in place.

c. Within 7 days of removal, the permittee shall provide written notification (by letter, facsimile, or e-mail) to the Compliance Authority of the date that the replacement CT was removed.

d. Within 7 days of re-installing the original CT, the permittee shall provide written notification (by letter, facsimile, or e-mail) to the Compliance Authority of the date installation was complete.

{Permitting Note: A visible emissions test is not required for the temporary combustion turbine replacement.}

CONCLUSION

The final action of the Department is to issue the final Title V air operation permit No. 1030012-007-AV, with the minor changes listed above.