STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF FINAL PERMIT

In the Matter of an
Application for Permit by:

Progress Energy Florida, Inc.
100 Central Avenue, CN77
St. Petersburg, Florida 33701

Authorized Representative:
Bernie Cumbie, Plant Manager

Air Permit No. 0170004-013-AC
Crystal River Power Plant
Facility ID No. 0170004
SCR Project for Units 4 and 5

Enclosed is Final Air Permit No. 0170004-013-AC, which authorizes the construction of selective catalytic reduction (SCR) systems and alkali injection systems for existing Units 4 and 5 at the Crystal River Power Plant, which is an existing electrical generating station (SIC No. 4911) located north of Crystal River and west of U.S. 19 in Citrus County, Florida. As noted in the attached Final Determination, only minor changes and clarifications were made. This permit is issued pursuant to Chapter 403, Florida Statutes (F.S.).

Any party to this order has the right to seek judicial review of it under Section 120.68, F.S. by filing a Notice of Appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within thirty (30) days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.

Jeffery F. Koon

For Trina Vielhauer, Chief
Bureau of Air Regulation

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final Permit (including the Final Permit) was sent by electronic mail (return receipt requested) to the persons listed below.

Mr. Bernie Cumbie, Progress Energy Florida, Inc. (BERNIE.CUMBIE@PGNMAIL.COM)
Mr. Dave Meyer, Progress Energy Florida, Inc. (DAVE.MEYER@PGNMAIL.COM)
Mr. Scott Osbourn, Golder Associates Inc. (SOSBOURN@GOLDER.COM)
Ms. Cindy Zhang-Torres, SWD Office (CINDY.ZHANG-TORRES@DEP.STATE.FL.US)
Mr. Gregg Worley, EPA Region 4 (WORLEY.GREGG@EPA.GOV)
Mr. Mike Halpin, Siting Office (HALPIN_M@DEP.STATE.FL.US)

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Mary L Harry 3/2/07
(Clerk) (Date)

Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road, MS#5505
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

PERMITTEE:

Progress Energy Florida, Inc.
100 Central Avenue, CN77
St. Petersburg, Florida 33701

Authorized Representative:
Bernie Cumbie, Plant Manager

Air Permit No. 0170004-013-AC
Crystal River Power Plant
Facility ID No. 0170004
SCR Project for Units 4 and 5
Permit Expires: December 1, 2010

PROJECT AND LOCATION

This permit authorizes the construction of selective catalytic reduction (SCR) systems and alkali injection systems on existing Units 4 and 5 at the Crystal River Power Plant. The Crystal River Power Plant is an existing electrical generating station (SIC No. 4911), which is located north of Crystal River and west of U.S. 19 in Citrus County, Florida.

STATEMENT OF BASIS

Installation of the alkali injection systems is required to ensure that the SCR project will not result in an increase of sulfuric acid mist emissions above the PSD-significant emission rate of 7 tons per year. The applicant elects to install the SCR systems to provide full flexibility in implementing the federal cap and trade program for nitrogen oxides (NOx) under the Clean Air Interstate Rule (CAIR). Because CAIR affords a regulated facility the flexibility to evaluate market conditions to determine whether it will install controls, operate existing controls, or purchase allowances generated by other plants, the Department of Environmental Protection (Department) does not require the installation of this equipment nor its operation. This air pollution construction permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), and Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.) and Title 40, Part 60 of the Code of Federal Regulations (CFR). The permittee is authorized to install the proposed equipment in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department.

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Joseph Kahn, Director
Division of Air Resource Management

3/2/07
(Date)