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PERMITTEE:
Florida Power Corporation
dba Progress Energy Florida, Inc.
299 First Avenue North
Mail Code CN77
St. Petersburg, Florida 33701

Permit No. 0170004-025-AV
Crystal River Power Plant
Facility ID No. 0170004
Title V Air Operation Permit Revisions

The purpose of this permit is to revise Title V air operation permit No. 0170004-024-AV for the above referenced facility to incorporate the provisions of final air construction permit Nos. 0170004-016-AC (PSD-FL-383), 0170004-019-AC (PSD-FL-383A), 0170004-022-AC (PSD-FL-383B), and 0170004-023-AC (PSD-FL-383C), which authorized the installation of air pollution control equipment and a blend of bituminous/sub-bituminous coal on Units 4 and 5. The combination of fuel blends and control equipment resulted in PSD-significant emissions increases of carbon monoxide (CO), particulate matter (PM/PM_{10}), sulfuric acid mist (SAM), and volatile organic compounds (VOC). Therefore, the permittee was required to install and now authorized to operate the following additional equipment as the Best Available Control Technologies (BACT) for these pollutants: low-NO_X burners (CO, PM/PM_{10}, and VOC); modifications to the existing electrostatic precipitators (PM/PM_{10} and SAM); and alkali injection systems (SAM).

The existing Crystal River Power Plant is located in Citrus County at 15760 West Power Line Street, Crystal River, Florida. UTM Coordinates are: Zone 17, 334.3 km East and 3204.5 km North. Latitude is: 28° 57' 34" North and Longitude is: 82° 42' 1" West.

The Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-213 and 62-214. The above named permittee is hereby authorized to operate the facility in accordance with the terms and conditions of this permit.

0170004-024-AV Effective Date: January 1, 2010
0170004-025-AV Revision Effective Date: April 11, 2011
Renewal Application Due Date: May 20, 2014
Expiration Date: December 31, 2014

Jon Holtom
for Mike Halpin, Director
Division of Air Resource Management

MH/tlv/jkh/yha