

November 20, 1987

Docket No. 50-302

DISTRIBUTION

Mr. W. S. Wilgus
Vice President - Nuclear Operations
Florida Power Corporation
ATTN: Manager, Nuclear Licensing
P.O. Box 219
Crystal River, Florida 32629

~~Docket File~~
NRC PDR
Local PDR
PD22 Rdg.
S. Varga/G. Lainas
D. Miller
H. Silver
OGC-Bethesda
E. Jordan

ACRS (10)
Gray File
J. Partlow

Dear Mr. Wilgus:

SUBJECT: CHANNEL CALIBRATION OF CORE FLOODING TANK (TAC NO. 65258)

The Commission has forwarded the enclosed "Notice of Consideration of Issuance of Amendment to Facility Operating License and Proposed No Significant Hazards Consideration Determination and Opportunity for a Hearing" to the Office of the Federal Register for publication.

This notice relates to your application dated April 15, 1987, to require a channel calibration of the Core Flooding Tank (CFT) isolation valve alarm in lieu of an actuation test.

Sincerely,

ORIGINAL SIGNED BY:

Harley Silver, Project Manager
Project Directorate II-2
Division of Reactor Projects-I/II
Office of Nuclear Reactor Regulation

Enclosure: As stated

cc w/enclosure:
See next page

LA: PDII-2
DML/ter
11/17/87

PM: PDII-2
HSilver:bg
11/17/87

D: PDII-2
HBerkow
11/17/87

OGC
11/17/87

Mr. W. S. Wilgus
Florida Power Corporation

Crystal River Unit No. 3 Nuclear
Generating Plant

cc:

Mr. R. W. Neiser
Senior Vice President
and General Counsel
Florida Power Corporation
P. O. Box 14042
St. Petersburg, Florida 33733

State Planning and Development
Clearinghouse
Office of Planning and Budget
Executive Office of the Governor
The Capitol Building
Tallahassee, Florida 32301

Mr. P. F. McKee
Director, Nuclear Plant Operations
Florida Power Corporation
P. O. Box 219
Crystal River, Florida 32629

Mr. F. Alex Griffin, Chairman
Board of County Commissioners
Citrus County
110 North Apopka Avenue
Inverness, Florida 36250

Mr. Robert B. Borsum
Babcock & Wilcox
Nuclear Power Generation Division
1700 Rockville Pike, Suite 525
Rockville, Maryland 20852

Mr. E. C. Simpson
Director, Nuclear Site
Florida Power Corporation Support
P.O. Box 219
Crystal River, Florida 32629

Resident Inspector
U.S. Nuclear Regulatory Commission
15760 West Powerline Street
Crystal River, Florida 32629

Regional Administrator, Region II
U.S. Nuclear Regulatory Commission
101 Marietta Street N.W., Suite 2900
Atlanta, Georgia 30323

Jacob Daniel Nash
Office of Radiation Control
Department of Health and
Rehabilitative Services
1317 Winewood Blvd.
Tallahassee, Florida 32399-0700

Administrator
Department of Environmental Regulation
Power Plant Siting Section
State of Florida
2600 Blair Stone Road
Tallahassee, Florida 32301

Attorney General
Department of Legal Affairs
The Capitol
Tallahassee, Florida 32304

UNITED STATES NUCLEAR REGULATORY COMMISSIONCORRECTION TO FLORIDA POWER CORPORATIONDOCKET NO. 50-302NOTICE OF CONSIDERATION OF ISSUANCE OF AMENDMENT TOFACILITY OPERATING LICENSE AND PROPOSED NO SIGNIFICANT HAZARDSCONSIDERATION DETERMINATION AND OPPORTUNITY FOR HEARING

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of an amendment to Facility Operating License No. DPR-72, issued to Florida Power Corporation (the licensee), for operation of the Crystal River Unit 3 Nuclear Generating Plant located in Citrus County, Florida.

The amendment would (1) change the current Technical Specification (TS) Section 4.5.1.d by deleting the requirement to verify each core flooding tank isolation valve closed alarm by an actuation test and replace it with a requirement to perform a channel calibration of each alarm, and (2) add to TS bases 3/4.5.1 a description of the actuation of the core flooding tank isolation valve closed alarm.

The amendment would be in response to the licensee's application for amendment dated April 15, 1987. Because of administrative error within the Commission in not noticing this amendment earlier, insufficient time now exists for the Commission's usual 30-day notice without extending the current refueling shutdown.

Before issuance of the proposed license amendment, the Commission will have made findings required by the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations.

The Commission has made a proposed determination that the amendment request involves no significant hazards considerations. Under the Commission's regulations in 10 CFR 50.92, this means that operation of the facility in accordance with the proposed amendment would not (1) involve a significant increase in the probability or consequences of an accident previously evaluated; or (2) create the possibility of a new or different kind of accident from any accident previously evaluated; or (3) involve a significant reduction in a margin of safety.

To demonstrate that the core flooding tanks are operable, the TS surveillance requirement 4.5.1.d presently requires verification, at least once per 18 months, that each core flooding tank isolation valve closed alarm actuates whenever each core flooding tank isolation valve is not fully open and the Reactor Coolant System (RCS) pressure exceeds 750 psig.

If an alarm should fail to actuate, the action statement requires that the inoperable tank be restored to operable status within one hour or that the reactor be in HOT SHUTDOWN (Mode 4) within the next 12 hours. In the event the alarm should fail to actuate and shutdown continues per the action statement, or the 18 month surveillance interval elapses during a shutdown, the surveillance is difficult to satisfy since TS Section 4.0.4 then prohibits entry into HOT STANDBY (Mode 3). Although a test in Mode 4 at 750 psig is possible, such a test is not recommended because it takes the reactor close to the RCS pressure/temperature limits. Normally, the licensee performs this surveillance test during cooldown.

The channel calibration proposed for this surveillance requirement is an equivalent test of the core flood tank isolation alarm; the calibration will be done by applying pressure to the pressure sensing diaphragm over the range

from 0 to 2200 psig while moving the isolation valve, with the RCS pressure safely below pressure/temperature limits. The licensee will continue to perform the actuation test by moving the isolation valves with the RCS pressure above 750 psig, during cooldown, but not as part of the surveillance requirement. In addition, a channel calibration is consistent with the same type of tests performed for other engineered safeguards actuation instrument channels and for the reactor protection instrument channels.

The TS bases will also be changed to describe the actuation of the core flooding tank isolation valve closed alarm.

Based on the above, this amendment will not:

1. Involve a significant increase in the probability or consequences of an accident previously evaluated because the alarm channel will be tested to assure operability in an acceptable manner consistent with tests performed for other engineered safeguards actuation and reactor protection instrument channels.
2. Create the possibility of a new or different kind of accident from any accident previously evaluated because the change does not modify the plant or require a significantly different plant equipment configuration.
3. Involve a significant reduction in the margin of safety because the change will not revise the channel setpoint. The margin of safety relative to RCS pressure/temperature limits will be increased as discussed above.

Accordingly, the Commission proposes to determine that this change does not involve significant hazards considerations.

The Commission is seeking public comments on this proposed determination. Any comments received within 15 days after the date of publication of this notice will be considered in making any final determination. The Commission

will not normally make a final determination unless it receives a request for a hearing.

Written comments may be submitted by mail to the Rules and Procedures Branch, Division of Rules and Records, Office of Administration and Resources Management, U. S. Nuclear Regulatory Commission, Washington, D.C. 20555, and should cite the publication date and page number of the FEDERAL REGISTER notice.

Written comments may also be delivered to Room 4000, Maryland National Bank Building, 7735 Old Georgetown Road, Bethesda, Maryland from 8:15 a.m. to 5:00 p.m. Copies of written comments received may be examined at the NRC Public Document Room, 1717 H Street, NW, Washington, D.C. The filing of requests for hearing and petitions for leave to intervene is discussed below.

By December 10, 1987, the licensee may file a request for a hearing with respect to issuance of the amendment to the subject facility operating license and any person whose interest may be affected by this proceeding and who wishes to participate as a party in the proceeding must file a written petition for leave to intervene. Requests for a hearing and petitions for leave to intervene shall be filed in accordance with the Commission's "Rule of Practice for Domestic Licensing Proceedings" in 10 CFR Part 2. If a request for a hearing or petition for leave to intervene is filed by the above date, the Commission or an Atomic Safety and Licensing Board, designated by the Commission or by the Chairman of the Atomic Safety and Licensing Board Panel, will rule on the request and/or petition; and the Secretary or the designated Atomic Safety and Licensing Board will issue a notice of hearing or an appropriate order.

As required by 10 CFR 2.714, a petition for leave to intervene shall set forth with particularity the interest of the petitioner in the proceeding, and how that interest may be affected by the results of the proceeding. The petition should specifically explain the reasons why intervention should be permitted with particular reference to the following factors: (1) the nature of the petitioner's right under the Act to be made a party to the proceeding; (2) the nature and extent of the petitioner's property, financial, or other interest in the proceeding; and (3) the possible effect of any order which may be entered in the proceeding on the petitioner's interest. The petition should also identify the specific aspect(s) of the subject matter of the proceeding as to which petitioner wishes to intervene. Any person who has filed a petition for leave to intervene or who has been admitted as a party may amend the petition without requesting leave of the Board up to fifteen (15) days prior to the first pre-hearing conference scheduled in the proceeding, but such an amended petition must satisfy the specificity requirements described above.

Not later than fifteen (15) days prior to the first prehearing conference scheduled in the proceeding, a petitioner shall file a supplement to the petition to intervene, which must include a list of the contentions that are sought to be litigated in the matter, and the bases for each contention set forth with reasonable specificity. Contentions shall be limited to matters within the scope of the amendment under consideration. A petitioner who fails to file such a supplement which satisfies these requirements with respect to at least one contention will not be permitted to participate as a party.

Those permitted to intervene become parties to the proceeding, subject to any limitations in the order granting leave to intervene, and have the opportunity to participate fully in the conduct of the hearing, including the opportunity to present evidence and cross-examine witnesses.

If a hearing is requested, the Commission will make a final determination on the issue of no significant hazards considerations. The final determination will serve to decide when the hearing is held.

If the final determination is that the amendment request involves no significant hazards considerations, the Commission may issue the amendment and make it effective, notwithstanding the request for a hearing. Any hearing held would take place after issuance of the amendment.

If the final determination is that the amendment request involves significant hazards considerations, any hearing held would take place before the issuance of any amendment.

Normally, the Commission will not issue the amendment until the expiration of the 15-day notice period. However, should circumstances change during the notice period, such that failure to act in a timely way would result, for example, in derating or shutdown of the facility, the Commission may issue the license amendment before the expiration of the 15-day notice period, provided that its final determination is that the amendment involves no significant hazards considerations. The final determination will consider all public and State comments received. Should the Commission take this action, it will publish a notice of issuance and provide for opportunity for a hearing after issuance. The Commission expects that the need to take this action will occur very infrequently.

A request for a hearing or a petition for leave to intervene must be filed with the Secretary of the Commission, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Docketing and Service Branch, or may be delivered to the Commission's Public Document Room, 1717 H Street, N.W. Washington, D.C., by the above date. Where petitions are filed during the last ten (10) days of the notice period, it is requested that the petitioner promptly so inform the Commission by a toll-free telephone call to Western Union at (800) 325-6000 (in Missouri (800) 342-6700). The Western Union operator should be given Datagram Identification Number 3737 and the following message addressed to Herbert N. Berkow: petitioner's name and telephone number; date petition was mailed; plant name; and publication date and page number of this FEDERAL REGISTER notice. A copy of the petition should also be sent to the Office of the General Counsel, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, and to R. W. Neiser, Senior Vice President and General Counsel, Florida Power Corporation, P.O. Box 14042, St. Petersburg, Florida 33733.

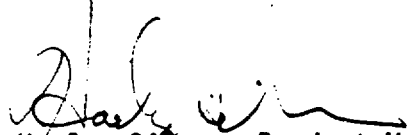
Nontimely filings of petitions for leave to intervene, amended petitions, supplemental petitions and/or requests for hearing will not be entertained absent a determination by the Commission, the presiding officer or the presiding Atomic Safety and Licensing Board that the petition and/or request should be granted based upon a balancing of the factors specified in 10 CFR 2.714(a)(1)(i)-(v) and 2.714(d).

For further details with respect to this action, see the application for amendment dated April 15, 1987, which is available for public inspection at

the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C. 20555, and at the Local Public Document Room, Crystal River Library, 668 N.W. First Avenue, Crystal River, Florida 32629.

Dated at Bethesda, Maryland, this 20th day of November, 1987.

FOR THE NUCLEAR REGULATORY COMMISSION



Harley S. River, Project Manager
Project Directorate II-2
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation