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Docket No. 50-302

Florida Power Corporation  
ATTN: Mr. W. P. Stewart  
Director, Power Production  
P. O. Box 14042, Mail Stpp C-4  
St. Petersburg, Florida 33733

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Gentlemen:

The Commission has issued the enclosed Amendment No. 10 to Facility Operating License No. DPR-72 for Crystal River Unit No. 3 (CR-3). The amendment consists of changes to the Environmental Technical Specifications in response to your application dated October 11, 1977.

This amendment deletes the requirement to submit Non-Routine Reports regarding unplanned radioactive releases if the release rate is no greater than 10 percent of the allowable instantaneous release rate. All unplanned releases will continue to be reported in the Semiannual Operating Report.

Previously, Appendix B Technical Specification 5.6.2.A required that you submit a Non-Routine Report regarding any unplanned release of radioactive material from CR-3. Your proposed change would define unplanned release as "Any release of radioactive material from the site that is not planned and contains radioactive material in quantities such that the release rate is >10% of the allowable instantaneous release rate." This change would allow you not to submit a Non-Routine Report for an unplanned release if the release rate is  $\leq 10\%$  of the limit.

A Non-Routine Report is comprised of a 24-hour telephone and telegraph report and a 15 day written report. This report is required in the event a Limiting Condition for Operation is exceeded as well as for an unplanned release. Since the start of CR-3 commercial operation five Non-Routine Reports have been submitted regarding unplanned gaseous releases. In each case, the release was caused by blown loop seals in the gaseous waste system. The maximum amount of noble gas released was 33 Curies and the maximum release rate was less

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than 10 percent of the allowable instantaneous release rate as stated in Specification 2.4.2.A(1). This type of unplanned release was anticipated and discussed in Final Safety Analysis Report (FSAR) Section 11.2.3.2. In addition, you state that you are taking steps to improve the operation of the gaseous waste disposal system.

We conclude that unplanned radioactive releases at rates <10% of the allowable instantaneous release rate should not require a Non-Routine Report. Notification and submittal of information regarding these events is not needed in such a timely manner. It is necessary, however, that information regarding these releases, including the cause, be reported to allow our review. To insure that all unplanned releases are addressed in the Semiannual Operating Report, we have determined that, rather than the proposed definition for unplanned release, Specification 5.6.2.A should be modified to only require Non-Routine Reports when release rate is >10% of the allowable instantaneous release rate. In addition, Specification 5.6.1.B., "Semiannual Operating Report - Radioactive Effluents", has been modified to specify that all unplanned releases and the cause of these releases be reported. These changes to your proposal have been discussed with and agreed to by your staff.

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level, and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and pursuant to 10 CFR §51.5(d)(4) that an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

Since the amendment applies to changes in administrative report procedures, it does not involve significant new safety information of a type not considered by a previous Commission safety review of the facility. It does not involve a significant increase in the probability or consequences of an accident, does not involve a significant decrease in a safety margin, and therefore does not involve a significant hazards consideration. We have also concluded that there is reasonable assurance that the health and safety of the public will not be endangered by this action.

A copy of the Notice of Issuance is also enclosed.

Sincerely,

Robert W. Reid, Chief  
Operating Reactors Branch #4  
Division of Operating Reactors

Enclosures:

- 1. Amendment No. 10
- 2. Notice

cc w/enclosures:  
See next page

OFFICE	ORB#4:DOR	ORB#4:DOR	EEB	OELD	C-ORB#4:DOR
SURNAME	RIngram	CNe1son:dn	<i>[Signature]</i>	S. H. Lewis	R. Reid
DATE	12/21/77	12/21/77	12/27/77	1/3/77	12/1/77

Florida Power Corporation

cc w/enclosures:

Mr. S. A. Brandimore  
Vice President and General Counsel  
P. O. Box 14042  
St. Petersburg, Florida 33733

Mr. Wilbur Langely, Chairman  
Board of County Commissioners  
Citrus County  
Iverness, Florida 36250

U. S. Environmental Protection Agency  
Region IV Office  
ATTN: EIS COORDINATOR  
345 Courtland Street, N.E.  
Atlanta, Georgia 30308

Chief, Energy Systems  
Analyses Branch (AW-459)  
Office of Radiation Programs  
U. S. Environmental Protection Agency  
Room 645, East Tower  
401 M Street, S.W.  
Washington, D.C. 20460

Crystal River Public Library  
Crystal River, Florida 32629

cc w/enclosures and incoming  
dtd.:

Bureau of Intergovernmental Relations  
660 Apalchee Parkway  
Tallahassee, Florida 32304



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

FLORIDA POWER CORPORATION  
CITY OF ALACHUA  
CITY OF BUSHNELL  
CITY OF GAINESVILLE  
CITY OF KISSIMMEE  
CITY OF LEESBURG  
CITY OF NEW SMYRNA BEACH AND UTILITIES COMMISSION, CITY OF NEW SMYRNA BEACH  
CITY OF OCALA  
ORLANDO UTILITIES COMMISSION AND CITY OF ORLANDO  
SEBRING UTILITIES COMMISSION  
SEMINOLE ELECTRIC COOPERATIVE, INC.  
CITY OF TALLAHASSEE

DOCKET NO. 50-302

CRYSTAL RIVER UNIT 3 NUCLEAR GENERATING PLANT  
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 10  
License No. DPR-72

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Florida Power Corporation, et al (the licensees) dated October 11, 1977, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

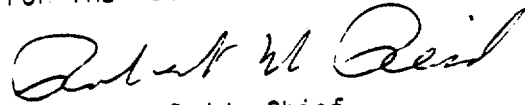
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of Facility Operating License No. DPR-72 is hereby amended to read as follows:

2.C.(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 10, are hereby incorporated in the license. Florida Power Corporation shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Robert W. Reid, Chief  
Operating Reactors Branch #4  
Division of Operating Reactors

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: January 7, 1978

ATTACHMENT TO LICENSE AMENDMENT NO. 10

FACILITY OPERATING LICENSE NO. DPR-72

DOCKET NO. 50-302

Replace the following page of the Appendix "B" Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains vertical lines indicating the area of change. The corresponding overleaf page is also provided to maintain document completeness.

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submitted to the Director of Inspection and Enforcement (with copy to Director of Nuclear Reactor Regulation) as a separate Volume (#1) of the Annual Environmental Operating Report within 90 days after January 1 of each year. The period of the first report shall begin with the date of initial criticality. The report shall include summaries, interpretations, and statistical evaluation of the results of the nonradiological environmental surveillance activities (Section 3.0) and the environmental monitoring programs required by limiting conditions for operation (Section 2.0) for the report period. A comparison with preoperational studies, operational controls (as appropriate), and previous environmental surveillance reports, and an assessment of the observed impacts of the plant operation on the environment shall be provided. If harmful effects or evidence of irreversible damage are detected by the monitoring, the licensee shall provide an analysis of the problem and a proposed course of action to alleviate the problem. Special surveillance, research, or study activities reports shall be submitted to the Director of Inspection and Enforcement (with copy to Director, Office of Nuclear Reactor Regulation) within 15 months of the commercial operation of the plant.

(2) Radiological Volume

A report on the radiological environmental surveillance programs for the previous 12 months of operation shall be submitted to the Director of Inspection and Enforcement (with copy to Director, Office of Nuclear Reactor Regulation) as a separate volume (#2) of the Annual Environmental Operating Report within 90 days after January 1 of each year. The period of the first report shall begin with the date of initial criticality. The report shall include summaries, interpretations, and statistical evaluation of the results of the radiological environmental surveillance activities for the report period, including a comparison with preoperational studies, operational controls (as appropriate) and previous environmental surveillance reports, and an assessment of the observed impacts of the plant operation on the environment. If harmful effects or evidence of irreversible damage are detected by the monitoring, the licensee shall provide an analysis of the problem and a proposed course of action to alleviate the problem.



Results of all radiological environmental samples taken shall be summarized on an annual basis following the format of Table 5.6-1. In the event that some results are not available within the 90 day period, the report shall be submitted, noting and explaining the reasons for the missing results. The missing data shall be submitted as soon as possible in a supplementary report.

B. Semiannual Operating Report - Radioactive Effluents

A report on the radioactive discharges released from the site during the previous 6 months of operation shall be submitted to the Director of the Office of Inspection and Enforcement (with a copy to Director, Office of Nuclear Reactor Regulation) as part of the Semiannual Operating Report within 60 days after January 1 and July 1 of each year. The period of the first report shall begin with the date of initial criticality. The report shall include a summary of the quantities of radioactive liquid and gaseous effluents and solid waste released from the plant as outlined in USNRC Regulatory Guide 1.21, with data summarized on a quarterly basis following the format of Appendix B thereof. All unplanned releases of radioactive material from the site will be reported in accordance with Appendix B Section A.6., "Abnormal Releases" of Regulatory Guide 1.21, with the cause of each release identified.

The report shall include a summary of the meteorological conditions concurrent with the release of gaseous effluents during each quarter as outlined in USNRC Regulatory Guide 1.21, with data summarized on a quarterly basis following the format of Appendix B thereof. Calculated offsite dose to humans resulting from the release of effluents and their subsequent dispersion in the atmosphere (Regulatory Guide 1.109) shall be reported in accordance with Regulatory Guide 1.21.

5.6.2 Non-Routine Reports

A. Limiting Condition for Operation Exceeded

In the event that: (1) a limiting condition for operation is exceeded, (2) an unplanned release of radioactive material from the site occurs in quantities such that the release rate is greater than 10% of the allowed instantaneous release rate specified in 2.4.1A or 2.4.2A or (3) an event involving a significant adverse environmental impact occurs, a report will be made within 24 hours by telephone and telegraph to the Director of the Office of Inspection and Enforcement followed by a written report with a copy to the Director, Office of Nuclear Reactor Regulation within 15 days. The telegraph report will quantify the occurrence, its causes and, if aspects of the Crystal River Unit 3 operation are among the causes, planned remedial action to the extent possible. The written report will fully describe the occurrence and will describe its causes and corrective action as fully as possible.

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-302

FLORIDA POWER CORPORATION

CITY OF ALACHUA

CITY OF BUSHNELL

CITY OF GAINESVILLE

CITY OF KISSIMMEE

CITY OF LEESBURG

CITY OF NEW SMYRNA BEACH AND UTILITIES COMMISSION, CITY OF NEW SMYRNA BEACH

CITY OF OCALA

ORLANDO UTILITIES COMMISSION AND CITY OF ORLANDO

SEBRING UTILITIES COMMISSION

SEMINOLE ELECTRIC COOPERATIVE, INC.

CITY OF TALLAHASSEE

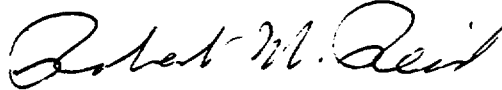
NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY  
OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 10 to Facility Operating License No. DPR-72, issued to the Florida Power Corporation, City of Alachua, City of Bushnell, City of Gainesville, City of Kissimmee, City of Leesburg, City of New Smyrna Beach and Utilities Commission, City of New Smyrna Beach, City of Ocala, Orlando Utilities Commission and City of Orlando, Sebring Utilities Commission, Seminole Electric Cooperative, Inc., and the City of Tallahassee (the licensees) which revised Technical Specifications for operation of the Crystal River Unit No. 3 Nuclear Generating Plant located in Citrus County, Florida. The amendment is effective as of the date of issuance.

The amendment deletes the requirement to submit Non-Routine Reports regarding unplanned radioactive releases if the release rate is no greater than 10 percent of the allowable instantaneous release rate. All unplanned releases will continue to be reported in the Semiannual Operating Report.

Dated at Bethesda, Maryland, this 7th day of January 1978.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script, appearing to read "Robert W. Reid".

Robert W. Reid, Chief  
Operating Reactors Branch #4  
Division of Operating Reactors