

Mr. Roy A. Anderson
 Senior Vice President,
 Nuclear Operations
 Florida Power Corporation
 ATTN: Manager, Nuclear Licensing
 Crystal River Energy Complex (SA2A)
 15760 W Power Line Street
 Crystal River, Florida 34428-6708

October 29, 1997

SUBJECT: CRYSTAL RIVER 3 - ENVIRONMENTAL ASSESSMENT OF REQUEST FOR EXEMPTION FROM CERTAIN REQUIREMENTS OF 10 CFR PART 50, APPENDIX R, FIRE PROTECTION PROGRAM FOR NUCLEAR POWER FACILITIES (TAC NO. M99560)

Dear Mr. Anderson:

Enclosed is a copy of an "Environmental Assessment and Finding of No Significant Impact" for your information. This assessment relates to your letter dated September 5, 1997, which requested an exemption from certain technical requirements of Section III.0 of Appendix R to Part 50 of Title 10 of the Code of Federal Regulations regarding the reactor coolant pump oil collection system. Specifically, your request was related to the remote oil addition lines which was installed in 1985 without an oil collection system.

This notice is being forwarded to the Office of the Federal Register for publication.

Sincerely,

/s/

L. Raghavan, Project Manager
 Project Directorate II-3
 Division of Reactor Projects - I/II
 Office of Nuclear Reactor Regulation

Docket No. 50-302

Enclosure: Environmental Assessment

cc w/enclosure: See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

October 29, 1997

Mr. Roy A. Anderson
Senior Vice President,
Nuclear Operations
Florida Power Corporation
ATTN: Manager, Nuclear Licensing
Crystal River Energy Complex (SA2A)
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Sincerely,

A handwritten signature in black ink, appearing to read "L. Raghavan", with a long horizontal stroke extending to the right.

L. Raghavan, Project Manager
Project Directorate II-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket No. 50-302

Enclosure: Environmental Assessment

cc w/enclosure: See next page

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Florida Power Corporation

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Atlanta, GA 30365

UNITED STATES NUCLEAR REGULATORY COMMISSIONFLORIDA POWER CORPORATIONDOCKET NO. 50-302ENVIRONMENTAL ASSESSMENT AND FINDING OFNO SIGNIFICANT IMPACT

The U. S. Nuclear Regulatory Commission (the Commission or NRC) is considering issuance of an exemption from certain requirements of its regulations to Florida Power Corporation (the licensee), holder of Facility Operating License No. DPR-72 for operation of the Crystal River Unit 3 Nuclear Generating Plant (CR3) located in Citrus County, Florida.

ENVIRONMENTAL ASSESSMENTIdentification of Proposed Action:

The proposed action is in accordance with the licensee's application dated September 5, 1997, for exemption from certain requirements of Appendix R, "Fire Protection Program for Nuclear Power Facilities Operating Prior to January 1, 1979," to Title 10 of the Code of Federal Regulations Part 50 (10 CFR Part 50), Section III, Paragraph 0, "Oil Collection System for Reactor Coolant Pump." Specifically, the licensee requests an exemption from the Appendix R, Section III.0 technical requirements for an oil collection system capable of collecting all potential leakage for the CR3 Reactor Coolant (RCP) Motor Remote Oil Addition Lines (ROALs).

The Need for the Proposed Action:

10 CFR Part 50, Appendix A, "General Design Criteria for Nuclear Power Plants," Criterion 3 "Fire Protection," specifies that "Structures, systems, and components important to safety shall be designed and located to minimize, consistent with other safety requirements, the probability and effect of fires

and explosions." 10 CFR Part 50, Appendix R, sets forth the fire protection features required to satisfy the General Design Criterion 3 of the Commission's regulations. Pursuant to 10 CFR Part 50, Appendix R, Section III, Paragraph O, "Oil Collection System for Reactor Coolant Pump," the RCP shall be equipped with an oil collection system which "...shall be capable of collecting lube oil from all potential pressurized and unpressurized leakage sites in the reactor coolant pump lube oil systems."

In 1985, CR3 added ROALs to the original RCP oil fill lines in order to eliminate the need to shutdown the reactor, and to reduce personnel radiation and heat stress exposure during periodic RCP oil additions. At that time, the licensee did not consider the ROALs as a part of the RCP lube oil systems and as a result, did not provide a lube oil collection system to collect potential leakages. As part of its current Appendix R design review project, the licensee has now determined the ROALs to be a part of the RCP lube oil systems, therefore, requiring a lube oil collection system.

The licensee states that because the ROALs are of a rugged leak tight design and used only periodically in accordance with controlled plant procedures, the ROALs do not impact post fire safe shutdown capability. As a result, the licensee believes that a lube oil collection system for the ROALs is not necessary to achieve the underlying purpose of the rule. Exemption from Appendix R, Paragraph O, requirements is needed for the licensee to have ROALs without a lube oil collection system for collecting oil from potential leak sites.

Environmental Impacts of the Proposed Action:

With regard to environmental impact, the Commission has evaluated the proposed action as described below.

The proposed action will not result in an increase in the probability or consequences of accidents or result in a change in occupational or offsite dose. Therefore, there are no radiological impacts associated with the proposed action.

The proposed action will not result in a change in nonradiological plant effluents and will have no other nonradiological environmental impact.

Accordingly, the Commission concludes that there are no environmental impacts associated with this action.

Alternative to the Proposed Action:

As an alternative to the proposed action, the staff considered denial of the proposed action. Denial of the application would result in no change in current environmental impacts. The environmental impacts of the proposed action and the alternative action are similar.

Alternative Use of Resources:

This action did not involve the use of any resources not previously considered in the Final Environmental Statements related to operation of CR3, dated May 1973.

Agencies and Persons Consulted:

In accordance with its stated policy, on October 29, 1997 the staff consulted with the Florida State Official, Mr. Bill Passeti of the Florida Department of Health and Rehabilitative Services, regarding the environmental impact of the proposed action. The State official had no comments.

FINDING OF NO SIGNIFICANT IMPACT

The Commission has determined not to prepare an environmental impact statement for the proposed exemption. Based upon the foregoing environmental assessment, the Commission concludes that the proposed action will not have a

significant effect on the quality of the human environment.

For further details with respect to this action, see the request for exemption dated September 5, 1997, which is available for public inspection at the Commission's Public Document Room, 2120 L Street, NW., Washington, DC and at the local public document room located at Coastal Region Library, 8619 W. Crystal Street, Crystal River, Florida.

Dated at Rockville, Maryland, this 29th day of October 1997.

FOR THE NUCLEAR REGULATORY COMMISSION



Leonard A. Wiens, Acting Director
Project Directorate II-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation