UNITED STATES NUCLEAR REGULATORY COMMISSION

FLORIDA POWER CORPORATION

DOCKET NO. 50-302

ENVIRONMENTAL ASSESSMENT AND

FINDING OF NO SIGNIFICANT IMPACT

The U. S. Nuclear Regulatory Commission is considering issuance of an exemption from the requirements of Appendix A to 10 CFR Part 50 to Florida Power Corporation, (the licensee), for the Crystal River Unit 3 Nuclear Generating Plant located in Crystal River, Florida.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action:

The proposed exemption would allow temporary relief from the requirements of General Design Criterion-2 (GDC-2) for the Crystal River Unit 3 Nuclear Generating Plant with regard to a portion of the tornado missile protection for the emergency diesel generators.

The Need for the Proposed Action:

The proposed exemption is needed in order to permit completion of highly desirable upgrades to the emergency diesel generators without unduly extending the next scheduled refueling outage (Refuel 7). The proposed exemption would permit part of the preparatory work to be accomplished prior to plant shutdown for the outage.

Environmental Impacts of the Proposed Action:

The proposed exemption does not involve any measurable environmental impacts during normal operation since the plant configuration is changed only minimally and plant operation is not changed. The likelihood of tornado missile damage during the time the exemption would be in effect which would

affect equipment required to operate to avoid radiological impact is low.
Thus, the proposed exemption would not significantly affect the probability or
consequences of potential reactor accidents and would not otherwise affect
radiological plant effluents. Consequently, the Commission concludes that
there are no significant radiological impacts associated with the proposed
exemption.

With regard to potential non-radiological impacts, the proposed exemption
involves features located entirely within the restricted area as defined in
10 CFR Part 20. It does not affect non-radiological plant effluents and has no
other environmental impact. Therefore, the staff concludes that there are
no significant non-radiological environmental impacts associated with the
proposed exemption.

## Alternatives to the Proposed Action:

Since the staff has concluded that there are no measurable environmental
impacts associated with the proposed exemption, any alternatives with equal or
greater environmental impact need not be evaluated. The principal alternative
to the exemption would be to require strict compliance with GDC-2. Such action
would not significantly enhance the protection of the environment, and would
result in a significant loss of power to the licensee, as the next refueling
outage would have to be extended considerably.

## Alternative Use of Resources:

This action does not involve the use of any resources not previously
considered in the Final Environmental Statement for the Crystal River Unit 3
Nuclear Generating Plant.

## Agencies and Persons Consulted:

The NRC staff reviewed the licensee's request and did not consult other agencies or persons.

## FINDING OF NO SIGNIFICANT IMPACT

Based upon the foregoing environmental assessment, the staff concludes that the proposed action would not have a significant effect on the quality of the human environment and has determined, therefore, not to prepare an environmental impact statement for the proposed exemption.

For further details with respect to this action, see the application dated December 12, 1989, as supplemented on December 22, 1989, which is available for public inspection at the Commission's Public Document Room, 2120 L Street, N.W., Washington, D.C. and at the Crystal River Public Library, 668 N.W. First Avenue, Crystal River, Florida 32629.

Dated at Rockville, Maryland, this 5th day of January 1990.

FOR THE NUCLEAR REGULATORY COMMISSION

Bart C. Buckley

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