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Docket No. 50-302

Mr. J. A. Hancock
 Vice President
 Florida Power Corporation
 Nuclear Operations
 ATTN: Manager, Nuclear Licensing
 P. O. Box 14042; M.A.C. H-2
 St. Petersburg, Florida 33733

Dear Mr. Hancock:

SUBJECT: NUREG-0737 ITEM III.D.3.4 "CONTROL ROOM HABITABILITY"



We have completed our review of NUREG-0737 Item III.D.3.4 for Crystal River Nuclear Generating Plant Unit 3. We have found that the Florida Power Corporation proposed actions are acceptable as discussed in the enclosed Safety Evaluation.

Sincerely,

ORIGINAL SIGNED BY

Sydney Miner, Project Manager
 Operating Reactors Branch #4
 Division of Licensing

Enclosure:
 Safety Evaluation

cc w/enclosure:
 See next page

OFFICE	ORB#4:DL	C-ORB#4:DL				
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

February 17, 1982

Docket No. 50-302

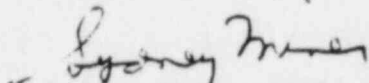
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Vice President
Florida Power Corporation
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Sydney Miner, Project Manager
Operating Reactors Branch #4
Division of Licensing

Enclosure:
Safety Evaluation

cc w/enclosure:
See next page

Crystal River Unit No. 3
Florida Power Corporation

50-302

cc w/enclosure(s):

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SAFETY EVALUATION
CRYSTAL RIVER UNIT 3
NUREG-0737 ITEM III.D.3.4
CONTROL ROOM HABITABILITY

Position

In accordance with Task Action Plan Item III.D.3.4, "Control Room Habitability," Licensees are required to assure that control room operators will be adequately protected against the effects of accidental release of toxic and radioactive gases and that the nuclear power plant can be safely operated or shutdown under design bases accident conditions (Criterion 19, "Control Room," of Appendix A, "General Design Criteria for Nuclear Power Plants," to 10 CFR Part 50).

Staff Evaluation

The licensee responded to Task Action Plan in Item III.D.3.4 on January 30, 1981. In its submittal, the licensee described its intention to install chlorine and ammonia detectors and to upgrade the control room air intake isolation dampers. In addition, the licensee intends to provide throttling to reduce the air flow in the pressurization mode from 9600 cfm to 2500 cfm.

The staff reviewed the submittal in accordance with NUREG-0737. The staff concludes that upon completion of the modifications described in the licensee's submittal dated January 30, 1981, that occupancy can be maintained under accident conditions without personnel receiving radiation exposures in excess of 5 rem whole body, or its equivalent to any part of the body, for the duration of an accident and that habitable conditions can be maintained under toxic gas releases.

Therefore, upon implementation of the modifications described above, the design will meet the criteria identified in Item No. III.D.3.4 of NUREG-0737 and is acceptable.

Dated: February 17, 1982