

REGULATORY DOCKET FILE COPY

FEBRUARY 15 1980

Docket No. 50-302

Mr. J. A. Hancock
 Director, Nuclear Operations
 Florida Power Corporation
 P. O. Box 14042, Mail Stop C-4
 St. Petersburg, Florida 33733

Dear Mr. Hancock:

The Commission has issued the enclosed Amendment No. ~~20~~ ²⁸ to Facility Operating License No. DPR-72 for the Crystal River Unit No. 3 Nuclear Generating Plant in response to your request of February 14, 1980.

The amendment changes the Technical Specifications by deleting one isolation device and adding certain others to provide post-accident containment atmosphere sampling capability in order to meet Item 2.1.8.a, in this regard, of NUREG-0578, Short-Term Lessons Learned Recommendations.

Copies of the Safety Evaluation and Notice of Issuance are also enclosed.

Sincerely,

Original signed by
 Robert W. Reid

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

Enclosures:

1. Amendment No. ~~20~~ ²⁸ to DPR-72
2. Safety Evaluation
3. Notice of Issuance

cc w/enclosures: See next page

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SURNAME	MFairtile:kb	CLong	PCWagner	RReta	WGammill	KARNAN
DATE	2/15/80	2/15/80	2/15/80	2/15/80	2/15/80	2/14/80



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

Distribution:
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Docket No. 50-302

February 15, 1980

Docketing and Service Section
Office of the Secretary of the Commission

SUBJECT: CRYSTAL RIVER UNIT NO. 3 NUCLEAR GENERATING PLANT

Two signed originals of the Federal Register Notice identified below are enclosed for your transmittal to the Office of the Federal Register for publication. Additional conformed copies (12) of the Notice are enclosed for your use.

- Notice of Receipt of Application for Construction Permit(s) and Operating License(s).
- Notice of Receipt of Partial Application for Construction Permit(s) and Facility License(s): Time for Submission of Views on Antitrust Matters.
- Notice of Availability of Applicant's Environmental Report.
- Notice of Proposed Issuance of Amendment to Facility Operating License.
- Notice of Receipt of Application for Facility License(s); Notice of Availability of Applicant's Environmental Report; and Notice of Consideration of Issuance of Facility License(s) and Notice of Opportunity for Hearing.
- Notice of Availability of NRC Draft/Final Environmental Statement.
- Notice of Limited Work Authorization.
- Notice of Availability of Safety Evaluation Report.
- Notice of Issuance of Construction Permit(s).
- Notice of Issuance of Facility Operating License(s) or Amendment(s).
- Other: Amendment No. 28. Referenced documents have been provided PDR.

Division of Operating Reactors, ORB#4
Office of Nuclear Reactor Regulation

Enclosure:
As Stated

OFFICE	ORB#4:DOR				
SURNAME	R. Ingram				
DATE	2/15/80				



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

February 15, 1980

Docket No. 50-302

Mr. J. A. Hancock
Director, Nuclear Operations
Florida Power Corporation
P. O. Box 14042, Mail Stop C-4
St. Petersburg, Florida 33733

Dear Mr. Hancock:

The Commission has issued the enclosed Amendment No. 28 to Facility Operating License No. DPR-72 for the Crystal River Unit No. 3 Nuclear Generating Plant in response to your request of February 14, 1980.

The amendment changes the Technical Specifications by deleting one isolation device and adding certain others to provide post-accident containment atmosphere sampling capability in order to meet Item 2.1.8.a, in this regard, of NUREG-0578, Short-Term Lessons Learned Recommendations.

Copies of the Safety Evaluation and Notice of Issuance are also enclosed.

Sincerely,

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

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

Enclosures:

1. Amendment No. 28 to DPR-72
2. Safety Evaluation
3. Notice of Issuance

cc w/enclosures: See next page

8002 280237

Florida Power Corporation

cc w/enclosure(s):

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

Director, Technical Assessment
Division
Office of Radiation Programs
(AW-459)
U. S. Environmental Protection Agency
Crystal Mall #2
Arlington, Virginia 20460

Crystal River Public Library
Crystal River, Florida 32629

Mr. J. Shreve
The Public Counsel
Room 4 Holland Bldg.
Tallahassee, Florida 32304

Administrator
Department of Environmental Regulation
Power Plant Siting Section
State of Florida
Montgomery Building
2562 Executive Center Circle, E.
Tallahassee, Florida 32301

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

Mr. Robert B. Borsari
Babcock & Wilcox
Nuclear Power Generation Division
Suite 420, 7735 Old Georgetown Road
Bethesda, Maryland 20014

cc w/enclosures & incoming
dtd: 2/14/80
Bureau of Intergovernmental
Relations
660 Apalachee 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. 28
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 February 14, 1980, 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.

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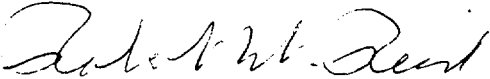
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DP-72 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 28 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: February 15, 1980

ATTACHMENT TO LICENSE AMENDMENT NO. 28

FACILITY OPERATING LICENSE NO. DPR-72

DOCKET NO. 50-302

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed pages. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change. The corresponding overleaf pages are also provided to maintain document completeness.

Pages

3/4 6-20

3/4 6-21

TABLE 3.6-1 (Continued)
CONTAINMENT ISOLATION VALVES

<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>ISOLATION TIME</u> (seconds)
9. (Continued)		
MUV-163 check #	open during HPI and	NA
MUV-25 #	iso. dur. nor. operation	60
MUV-164 check #		NA
MUV-26 #		60
MUV-160 check #	open during HPI and	NA
MUV-23 #	iso. dur. nor. operation	60
MUV-161 check #	open during HPI and	NA
MUV-24 #	iso. dur. nor. operation	60
MUV-27 #	open dur. nor. operation and closed during RB isolation	60
10.		
SWV-39 #	iso. NSCCC from AHF-1C	60
SWV-45 #		60
SWV-35 #	iso. NSCCC from AHF-1A	60
SWV-41 #		60
SWV-37 #	iso. NSCCC from AHF-1B	60
SWV-43 #		60
SWV-48 #	to isolate NSCCC from	60
SWV-47 #	MUHE-1A & 1B and WDT-5	60
SWV-49 #		60
SWV-50 #		60
SWV-80 #	iso. NSCCC from RCP-1A	60
SWV-84 #		60
SWV-82 #	iso. NSCCC from RCP-1C	60
SWV-86 #		60
SWV-81 #	iso. NSCCC from RCP-1D	60
SWV-85 #		60
SWV-79 #	iso. NSCCC from RCP-1B	60
SWV-83 #		60
SWV-109#	NSCCC to DRRD-1	60
SWV-110#		60

TABLE 3.6-1 (Continued)
CONTAINMENT ISOLATION VALVES

<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>ISOLATION TIME</u> (seconds)
11. WDV-4	iso. WDT-4 from RB sump	60
WDV-3		60
WDV-60 & 61	iso. WDT-4 from WDT-5	60
WDV-94 & 62	iso. WDT-4 from WDP-8	60
WDV-406	iso. gas waste disposal	60
WDV-405	from vents in RC system	60
12. WSV-3	iso. containment monitoring	60
WSV-4	system from RB	60
WSV-5		60
WSV-6		60
B. CONTAINMENT PURGE AND EXHAUST		
1. AHV-1C & 1D	iso. pur. sup. system	60
AHV-1B & 1A	iso. pur. exhaust system	60
C. MANUAL		
1. IAV-28	iso. IA from RB	NA
IAV-29		NA
2. LRV-50	iso. leak rate test system	NA
LRV-36	from RB	NA
LRV-51	iso. atmos. vent and RB	NA
LRV-35 & 47	purge exhaust system	NA
	from RB	
LRV-49	iso. atmos. vent from RB	NA
LRV-38 & 52		NA
LRV-45	iso. LR test panel from RB	NA
LRV-44		NA
LRV-46		NA
3. MSV-146#	iso. misc. waste storage tank from RCSG-1B	NA
4. NGV-62	iso. NG system from	NA
NGV-81 #	steam generators	NA
NGV-82	iso. NG system from pzz.	NA

TABLE 3.6-1 (Continued)
CONTAINMENT ISOLATION VALVES

<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>ISOLATION TIME</u> (seconds)
5. SAV-24 SAV-28 & 122	iso. SA from RB	NA NA
6. SFV-18 SFV-19	iso. SF system	NA NA
SFV-119# SFV-120#	iso. Fuel Transfer tubes from F.T. Canal	NA NA
7. WSV-1 WSV-2	containment monitoring system from RB	NA NA
D. PENETRATIONS REQUIRING TYPE B TESTS		
Blind Flange 119 Blind Flange 120	iso. RB	NA NA
Blind Flange 202		NA
Blind Flange 348 Blind Flange 436	iso. fuel transfer tube from Transfer Canal	NA NA
Equipment Hatch Personnel Hatch	iso. RB iso. RB	NA NA

Not subject to Type C Leakage Test

**The provisions of Specification 3.0.4 are not applicable until startup for Cycle 3 operation. Isolation valves closed to satisfy the requirements of Specification 3.6.3.1 ACTION b. and c. may be re-opened on an intermittent basis under administrative control for up to 4 hours in any 24 hour period as necessary for sampling.

CONTAINMENT SYSTEMS

3/4.6.4 COMBUSTIBLE GAS CONTROL

HYDROGEN ANALYZERS

LIMITING CONDITION FOR OPERATION

3.6.4.1 A containment hydrogen analyzer and a gas chromatograph shall be OPERABLE.

APPLICABILITY: MODES 1 and 2.

ACTION:

With one hydrogen analysis device inoperable, restore the inoperable device to OPERABLE status within 30 days or be in at least HOT STANDBY within the next 6 hours.

SURVEILLANCE REQUIREMENTS

4.6.4.1 Each hydrogen analysis device shall be demonstrated OPERABLE at least once per 92 days on a STAGGERED TEST BASIS by performing a CHANNEL CALIBRATION using sample gases containing:

- a. One volume percent hydrogen, balance nitrogen, and
- b. Four volume percent hydrogen, balance nitrogen.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 28 TO FACILITY OPERATING LICENSE NO. DPR-72
FLORIDA POWER CORPORATION, ET AL
CRYSTAL RIVER UNIT NO. 3 NUCLEAR GENERATING PLANT
DOCKET NO. 50-302

Introduction

By letter dated February 14, 1980, Florida Power Corporation (FPC or the licensee) requested an amendment to the Crystal River Unit No. 3 Nuclear Generating Plant Technical Specifications (TS's). This TS change would delete a blind flange inside containment on penetration 116 and replace it with an isolation valve outside containment. In addition, two existing valves would be designated as isolation valves and made part of the Appendix J inspection program. These changes are required to implement the Commission's January 2, 1980 Show Cause Order in the area of post-accident sampling capability.

Evaluation

FPC proposes to remove a blind flange on penetration 116 inside containment and replace it with an isolation valve, to be designated LRV-46, on the outside of containment. The flange will not be removed until the outside valve is installed. This change is acceptable as the valve LRV-46 will meet all the criteria of isolation devices in the Final Safety Analysis Report (FSAR) within the containment boundary, and the change will still provide redundant isolation devices as required by General Design Criterion (GDC) 54 of 10 CFR 50, Appendix A.

An additional proposal is to redefine two existing valves as containment boundary valves and add them to Table 3.6-1, Containment Isolation Valves, in the TS's. These valves are designated SAV-23 and SAV-122. These two valves were originally designed as containment boundary isolation valves and are so designated in the FSAR. The valves were not included in the original TS test program as there were already two isolation devices in series that adequately met minimum Appendix J requirements and GDC 54. For the above reasons, the addition of SAV-23 and SAV-122 to Table 3.6-1 is acceptable.

These changes provide the licensee with the capability of installing, if needed, a containment atmosphere sampling system. This system would be installed post-accident as required by Item 2.1.8.a of NUREG-0578, Short-Term Lessons Learned Recommendations. We conclude that the changes to TS Table 3.6-1 are acceptable in that they provide the means to meet Item 2.1.8.a and meet both 10 CFR 50, Appendix J and Appendix A requirements.

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Environmental Consideration

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.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Dated: February 15, 1980

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-302FLORIDA POWER CORPORATION, ET ALNOTICE OF ISSUANCE OF AMENDMENT TO FACILITYOPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 28 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 the Technical Specifications for operation for the Crystal River Unit No. 3 Nuclear Generating Plant (the facility) located in Citrus County, Florida. The amendment is effective as of the date of issuance.

The amendment changes the Technical Specifications by deleting one isolation device and adding certain others to provide post-accident containment atmosphere sampling capability in order to meet Item 2.1.8.a, in this regard, of NUREG-0578, Short-Term Lessons Learned Recommendations.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

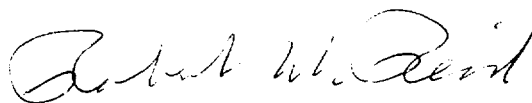
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The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

For further details with respect to this action, see (1) application for amendment dated February 14, 1980, (2) Amendment No. 28 to License No. DPR-72, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D. C., and at the Crystal River Public Library, Crystal River, Florida. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Operating Reactors.

Dated at Bethesda, Maryland, this 15th day of February, 1980.

FOR THE NUCLEAR REGULATORY COMMISSION



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