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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 Confirmatory Order for Crystal River Unit No. 3 (CR-3). This Order confirms your commitments, as stated in your letters dated March 24 and 26, 1980, to implement certain actions prior to restart.

This Order is required as a result of the experience gained from the CR-3 incident of February 26, 1980, wherein a non-nuclear instrumentation power loss resulted in a series of unexpected events. Your staff and the NRC mutually agreed on the actions provided in the Order. These actions should reduce the probability of a similar future power loss causing unexpected plant responses and allow the plant operator to better cope with losses of instrumentation and control functions. Further actions may be necessary.

A copy of this Order is being filed with the Office of the Federal Register for publication.

Sincerely,

Original signed by

Darrell G. Eisenhut, Acting Director  
 Division of Operating Reactors  
 Office of Nuclear Reactor Regulation

Enclosure:  
 Confirmatory Order

cc w/enclosure:  
 See next page

NRR  
 RPurple\*  
 3/28/80

A-D DOR  
 DEisenhut  
 4/ /80

OELD  
 KCyr\*  
 3/27/80

\*See previous yellow for concurrences

*BD*  
*cp 3*  
*see prev. Conc.*

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 J. Lieberman, OELD

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Sincerely,

Harold R. Denton, Director  
 Office of Nuclear Reactor Regulation

Enclosure:  
 Confirmatory Order

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 See next page

NRB  
 RPurple  
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A-D/DOR  
 DEisenhut  
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 Karen Cyn  
 3/27/80

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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

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 JRMiller  
 TJCarter  
 WRussell  
 RReid  
 MFairtile  
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 OELD  
 IE (3)  
 BJones (4)  
 BScharf (10)

Dear Mr. Hancock

The Commission has issued the enclosed Confirmatory Order for Crystal River Unit No. 3 (CR-3). This Order confirms your commitments, as stated in your letters dated March 24 and 26, 1980, to implement certain actions within 90 days of the date of this Order.

This Order is required as a result of the experience gained from the CR-3 incident of February 26, 1980, wherein a non-nuclear instrumentation power loss resulted in a series of unexpected events. Your staff and the NRC mutually agreed on the actions provided in the Order. These actions should reduce the probability of a similar future power loss causing unexpected plant responses and allow the plant operator to better cope with losses of instrumentation and control functions.

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555  
**April 14, 1980**

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RIngram

Docket No. **50-202**

Docketing and Service Section  
Office of the Secretary of the Commission

SUBJECT: **CRYSTAL RIVER UNIT NO. 3**

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: **CONFIRMATORY ORDER**  
**Referenced documents have been provided PDR**

**Division of Operating Reactors, DRB4**  
Office of Nuclear Reactor Regulation

Enclosure:  
As Stated

OFFICE →	ORB#4: DOR					
SURNAME →	RIngram/cb					
DATE →	4/14/80					



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

April 14, 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

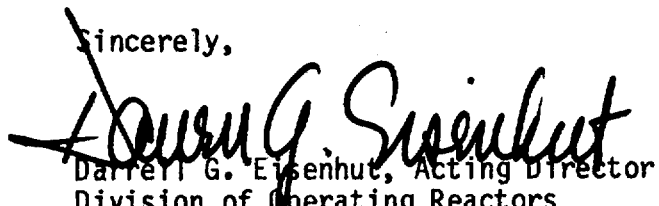
Dear Mr. Hancock:

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Sincerely,

  
Darrell G. Eisenhut, Acting Director  
Division of Operating Reactors  
Office of Nuclear Reactor Regulation

Enclosure:  
Confirmatory Order

cc w/enclosure:  
See next page

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  
2600 Blair Stone Road  
Tallahassee, Florida 32301

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

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Nuclear Power Generation Division  
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Bethesda, Maryland 20014

Bureau of Intergovernmental  
Relations  
660 Apalachee Parkway  
Tallahassee, Florida 32304

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

8005070623

In the Matter of  
Florida Power Corporation  
(Crystal River Unit No. 3  
Nuclear Generating Plant)

)  
)  
)  
)

Docket No. 50-302

CONFIRMATORY ORDER

I

The Florida Power Corporation (the Licensee) is the holder of Facility Operating License No. DPR-72 which authorizes the Licensee to operate the Crystal River Unit No. 3 Nuclear Generating Plant (the facility) at power levels not in excess of 2,452 megawatts thermal. The facility is a pressurized water reactor located at the Licensee's site in Citrus County, Florida.

II

Following the incident of February 26, 1980, at the Crystal River facility, the NRC staff held meetings with the Licensee, other operating licensees with Babcock and Wilcox (B&W) reactor systems, and B&W. The meetings were held in Bethesda, Maryland on March 4, 17 and 18, 1980. These meetings resulted in the development of three licensee commitments.

1. Actions which will allow the operator to cope with various combinations of loss of instrumentation and control functions. This includes changes in (A) equipment and control systems to give clear indications of functions which are lost or unreliable; (B) procedures and training to assure positive and safe manual response by the operator in the event that competent instruments are unavailable.

2. Determination of the effects of various combinations of loss of instrumentation and control functions by design review analysis and verification by test.
3. Correction of electrical deficiencies which may allow the power operated relief valve and pressurizer spray valve to open on non-nuclear instrumentation power failures, such as, the event which occurred at Crystal River, Unit 3 on February 26, 1980.

The Licensee confirmed by letter dated March 24, 1980, that it would implement all three actions at its facility prior to the restart of Crystal River Unit No. 3 which is currently shutdown for maintenance and refueling. The March 24 letter included by reference the licensee's submittal of March 12, 1980; the March 12 letter provided the detailed listing of various combinations of loss of instrumentation which constitutes the commitment in Item 1 and the letter also provided the specific list of tests which constitutes the commitment in Item 2. I have concluded that timely implementation of these three short term actions, at operating B&W system nuclear power plants is necessary to provide continued assurance of public health and safety.

### III

The Office of Inspection and Enforcement (IE) issued Bulletin 79-27 following an event at the Oconee Nuclear Station, Unit No. 3, on November 10, 1979 which was similar to the Crystal River incident. This event was described in Information Notice 79-29, dated November 16, 1979, which was sent to this Licensee. This Licensee was requested by IE Bulletin 79-27, dated November 30, 1979, Loss of Non Class I-E Instrumentation and Control Power Bus During Operation, to review, among other things, busses supplying power to certain instrument and control systems, emergency procedures related to loss of power to such busses and failure to certain power supplies. In accordance with Bulletin 79-27 the Licensee was requested to submit to the Commission the results of its review by February 28, 1980. This Licensee has not met this date.



The responses to IE Bulletin 79-27 must be submitted in order that NRC can determine whether this license should be modified to protect the health and safety of the public. The Licensee's letter of March 26, 1980 committed to respond to the Bulletin by April 26, 1980.

IV

In view of the importance of this matter I have determined that these commitments be formalized by order and that the public health, safety and interest require that this Order be made immediately effective. Accordingly, pursuant to the Atomic Energy Act of 1954, as amended, and the Commission's regulations in 10 CFR Parts 2 and 50, IT IS HEREBY ORDERED, EFFECTIVE IMMEDIATELY, THAT:

- (1) The Licensee prior to restart after the current outage will implement all three actions provided in Part II of this Order.
- (2) The Licensee shall submit by April 26, 1980 the written responses to IE Bulletin 79-27 to the NRC.

V

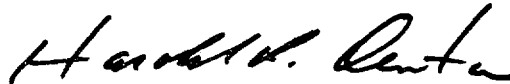
Any person who has an interest affected by this Order may request a hearing within twenty-five days of the date of the Order. Any request for a hearing will not stay the effectiveness of this Order. Any request for a hearing shall be submitted to the Director, Office of Nuclear Reactor Regulation, U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, with a copy to the Executive Legal Director at the above address. If a hearing is requested by a person who has an interest affected by this Order, the Commission will issue an Order designating the time and place of any such hearing.

In the event any person who has an interest affected by this Order requests a hearing as provided above and a hearing is held, the issues to be considered at such a hearing shall be:

- (1) Whether the facts set forth in Parts II and III of this Order provide an adequate basis for the actions ordered, and
- (2) Whether the Licensee should perform the actions required by Part IV of this Order in accordance with the schedule stated therein.

Operation of the facility on terms consistent with this Order is not stayed by the pendency of any proceedings on the Order.

FOR THE NUCLEAR REGULATORY COMMISSION



Harold R. Denton, Director  
Office of Nuclear Reactor  
Regulation

Dated at Bethesda, Maryland  
this 14th day of April 1980.