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Dockets Nos. 50-269, 50-270
and 50-287

Mr. William O. Parker, Jr.
Vice President, Steam Production
Duke Power Company
P. O. Box 2178
422 South Church Street
Charlotte, North Carolina 28242

Dear Mr. Parker:

The Commission has issued the enclosed Confirmatory Order for Oconee Nuclear Station, Units Nos. 1, 2 and 3. This Order confirms your commitments, as stated in your letters dated March 24 and 28, and April 14, 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 Crystal River, Unit No. 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

MBF
ORB#4:DOR

MFairtile

3/28/80

4/15/80

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3/27/80

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4/15/80

*See previous yellows for concurrence

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		RReid	

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and 50-287

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Sincerely,

Harold R. Denton, Director
Office of Nuclear Reactor
Regulation

Enclosure:
Confirmatory Order

cc w/enclosure:
See next page

*See previous yellow for concurrence

ORB#4:DOR
M. Fairlie
3/28/80

OELD
KCyr*
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DEisenhut
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MS 3/28/80
Purple 3/28

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SURNAME	RIngram/cb	G Rivenbark	RReid	WGammill	ECase	HDenton
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Dockets Nos. 50-270
and 50-287

DEisenhut
RVollmer
WGammill
LShao
JRMiller

IE (4)
ACRS (16)
OELD
AEOD
RCapra
SECY
RReid
GRivenbark
Ringram

Mr. William O. Parker, Jr.
Vice President, Steam Production
Duke Power Company
P. O. Box 2178
422 South Church Street
Charlotte, North Carolina 28242

Dear Mr. Parker:

The Commission has issued the enclosed Confirmatory Order for Oconee Nuclear Station, Units Nos. 2 and 3. This Order confirms your commitments, as stated in your letter dated March 24, 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 Crystal River, Unit No. 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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Harold R. Denton, Director
Office of Nuclear Reactor
Regulation

Enclosure:
Confirmatory Order

cc w/enclosure:
See next page

OELD
H. Cap
3/27/80

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OFFICE	ORB#4:DOR	ORB#4:DOR	C-ORB#4:DOR	A-AD-ORP:DOR	A-D:DOR	D:NRR
SURNAME	Ringram-cb	GRivenbark	RReid	WGammill	DEisenhut	HDenton
DATE	3/25/80	3/26/80	3/ /80	3/ /80	3/ /80	3/ /80



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555
April 18, 1980

DISTRIBUTION:
Docket File
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RIngram

Docket No. **50-269, 270 & 287**

Docketing and Service Section
Office of the Secretary of the Commission

SUBJECT: **OCONEE UNITS NOS. 1, 2 & 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, ORB4
Office of Nuclear Reactor Regulation

Enclosure:
As Stated

OFFICE →	ORB#4:DOR RIngram/cb					
SURNAME →						
DATE →	4/18/80					



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

April 17, 1980

Dockets Nos. 50-269, 50-270
and 50-287

Mr. William O. Parker, Jr.
Vice President, Steam Production
Duke Power Company
P. O. Box 2178
422 South Church Street
Charlotte, North Carolina 28242

Dear Mr. Parker:

The Commission has issued the enclosed Confirmatory Order for Oconee Nuclear Station, Units Nos. 1, 2 and 3. This Order confirms your commitments, as stated in your letters dated March 24 and 28, and April 14, 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 Crystal River, Unit No. 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,

A handwritten signature in dark ink, appearing to read "Darrell G. Eisenhower", is written over the typed name.

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

Enclosure:
Confirmatory Order

cc w/enclosure:
See next page

Duke Power Company

cc w/enclosure(s):

Mr. William L. Porter
Duke Power Company
P. O. Box 2178
422 South Church Street
Charlotte, North Carolina 28242

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

Oconee Public Library
201 South Spring Street
Walhalla, South Carolina 29691

Manager, LIS
NUS Corporation
2536 Countryside Boulevard
Clearwater, Florida 33515

Honorable James M. Phinney
County Supervisor of Oconee County
Walhalla, South Carolina 29621

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

Office of Intergovernmental Relations
116 West Jones Street
Raleigh, North Carolina 27603

U. S. Environmental Protection Agency
Region IV Office
ATTN: EIS COORDINATOR
345 Courtland Street, N.E.
Atlanta, Georgia 30308

Mr. Francis Jape
U. S. Nuclear Regulatory Commission
P. O. Box 7
Seneca, South Carolina 29678

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of

Duke Power Company

(Oconee Nuclear Station, Units
Nos. 1, 2 and 3)

}
}
}
}
}
Dockets Nos. 50-269, 50-270
and 50-287

CONFIRMATORY ORDER

I

The Duke Power Company (the Licensee) is the holder of Facility Operating Licenses Nos. DPR-38, DPR-47 and DPR-55 which authorize the Licensee to operate the Oconee Nuclear Station, Units Nos. 1, 2 and 3 (the facilities) at power levels not in excess of 2,568 megawatts thermal for each unit. The facilities are pressurized water reactors located at the Licensee's site in Oconee County, South Carolina.

II

Following the incident of February 26, 1980, at the Crystal River Unit No. 3 Nuclear Generating Plant, 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 actions.

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 stated by letters dated March 24 and 28, and April 14, 1980, that it has already implemented some and has confirmed that except for the testing of Unit 1 as specified in Action 2 above it would implement the remainder of the three actions at the facilities. The Licensee states that it will test Unit 1 if the results of the tests on Units Nos. 2 and 3 indicate that a test of Unit 1 is needed. The April 14 letter provided a listing of the non-nuclear operating parameters needed by the plant operators in order to place the plant in a safe hot shutdown condition in accordance with the commitment in Action 1. The April 14 letter also provided the specific list of tests which constitutes the commitment in Action 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

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 shall implement at Oconee Nuclear Station, Units Nos. 1, 2 and 3 all the three actions provided in Part II of this Order except the testing of Unit No. 1.

- (2) The Licensee shall perform a verification test on Unit No. 1 if the results of the tests on Units Nos. 2 and 3 do not confirm the effects of various combinations of loss of instrumentation and control functions as determined by the design review analysis on Units Nos. 2 and 3,
- (3) The Licensee shall complete the above requirements within 90 days after the date of this Order or in the alternative, place and maintain each facility for which this Order is not completed in a cold shutdown or refueling mode of operation.

IV

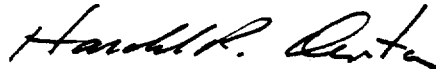
Any person who has an interest affected by this Order may request a hearing within twenty-five days of the date of the Order. Any request for a hearing will not stay the effectiveness of this Order. Any request for a hearing shall be submitted to the Director, Office of Nuclear Reactor Regulation, U. 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 Part II of this Order provide an adequate basis for the actions ordered, and
- (2) Whether the Licensee should perform the actions in Part III of this Order in accordance with the schedule stated therein.

Operation of the facilities 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 17th day of April 1980.