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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 Amendments Nos. 85, 85, and 82 for Licenses Nos. DPR-38, DPR-47 and DPR-55 for the Oconee Nuclear Station, Units Nos. 1, 2 and 3. These amendments consist of changes to the Station's common Technical Specifications (TSs) and are in response to your submittal dated July 31, 1980. Your request of July 31 was stated to be needed due to a power shortage in your service area that may continue through mid-August 1980. We verified through the U. S. Department of Energy the power needs for your service area and the VACAR electrical grid, of which Duke Power Company is a part. We agree you are operating with marginal reserve generating capacity through mid-August 1980.

These amendments revise the Technical Specifications by temporarily extending the allowable period of inoperability of the "2B" High Pressure Injection Pump for Unit 2 until August 15, 1980.

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

Sincerely,

Original signed by
Robert W. Reid

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

Enclosures:
1. Amendment No. 85 to DPR-38
2. Amendment No. 85 to DPR-47
3. Amendment No. 82 to DPR-55
4. Safety Evaluation
5. Notice of Issuance

cc w/enclosures: See next page

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B Jones

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

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August 1, 1980

Posted
Am-85 to
DPR-38

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

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Vice President - Steam Production
Duke Power Company
P. O. Box 2178
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cc w/enclosures: 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

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

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

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

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

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

J. Michael McGarry, III, Esq.
DeBevoise & Liberman
1200 17th Street, N.W.
Washington, D. C. 20036

cc w/enclosure(s) and incoming dtd.:
July 31, 1980

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

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

DUKE POWER COMPANY

DOCKET NO. 50-269

OCONEE NUCLEAR STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 85
License No. DPR-38

1. The Nuclear Regulatory Commission (the Commission) has found that:

   A. The application for amendment by Duke Power Company (the licensee) dated July 31, 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.

2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B. of Facility Operating License No. DPR-38 is hereby amended to read as follows:

   Technical Specifications

   The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 85 , are hereby incorporated in the license. The licensee 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 Licensing

Attachment:
Changes to the
Technical Specifications

Date of Issuance: August 1 , 1980

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

DUKE POWER COMPANY

DOCKET NO. 50-270

OCONEE NUCLEAR STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 85
License No. DPR-47

1. The Nuclear Regulatory Commission (the Commission) has found that:

   A. The application for amendment by Duke Power Company (the licensee) dated July 31, 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.

2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B. of Facility Operating License No. DPR-47 is hereby amended to read as follows:

   Technical Specifications

   The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 85 , are hereby incorporated in the license. The licensee 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 Licensing

Attachment:
Changes to the
Technical Specifications

Date of Issuance: August 1, 1980

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

DUKE POWER COMPANY

DOCKET NO. 50-287

OCONEE NUCLEAR STATION, UNIT NO. 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 82
License No. DPR-55

1. The Nuclear Regulatory Commission (the Commission) has found that:

   A. The application for amendment by Duke Power Company (the licensee) dated July 31, 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.

2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B. of Facility Operating License No. DPR-55 is hereby amended to read as follows:

   Technical Specifications

   The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 82 , are hereby incorporated in the license. The licensee 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 Licensing

Attachment:
Changes to the
Technical Specifications

Date of Issuance: August 1, 1980

ATTACHMENT TO LICENSE AMENDMENTS

AMENDMENT NO. 85 TO DPR-38

AMENDMENT NO. 85 TO DPR-47

AMENDMENT NO. 82 TO DPR-55

DOCKETS NOS. 50-269, 50-270 AND 50-287

Revise Appendix A by adding page 3.3-2a (Temporary). When this temporary specification has expired, this page should be removed.

3.3.1.c.(2)(c)T (Temporary Technical Specification)

For Oconee 2, HPI pump B, the requirements of Specification 3.3.1.c.(2)(b) are amended as follows:

Conditions where upon Oconee Unit 2 may be escalated to 100% FP in order to meet expected peak demand.

1. All Duke system generation capability has been utilized to the maximum extent available.

2. All available purchases from other VACAR utilities have been utilized.

3. All available purchases from outside the VACAR subregion have been utilized.

If all of the above conditions are satisfied and the total available generation capacity is not expected to be sufficient to meet the expected peak load and the required spinning reserves, then Oconee 2 will be escalated in power up to 100% FP.

This Temporary Technical Specification will expire at 11:59 p.m. on August 15, 1980.

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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 85 TO FACILITY OPERATING LICENSE NO. DPR-38

AMENDMENT NO. 85 TO FACILITY OPERATING LICENSE NO. DPR-47

AMENDMENT NO. 82 TO FACILITY OPERATING LICENSE NO. DPR-55

DUKE POWER COMPANY

OCONEE NUCLEAR STATION, UNITS NOS. 1, 2 AND 3

DOCKETS NOS. 50-269, 50-270 AND 50-287

Introduction

By letter dated July 31, 1980, the Duke Power Company (licensee) requested a temporary Technical Specification (TS) change for the Oconee Nuclear Station, Unit No. 2 (Oconee-2). The proposed change would revise TS 3.3.1, High Pressure Injection (HPI) System, Section c.(2)(b).

Background

HPI pump 2B failed on July 26, 1980; on July 29, 1980, a replacement pump also failed; the licensee reduced power to 60% as required by TS 3.3.1. The failure of the first pump is due to the impeller shifting on the pump shaft and binding on the pump casing. The pump manufacturer, Ingersoll-Rand, has two service representatives at Oconee who are working to both determine cause of failure of the second pump and to attempt repairs of one of the failed pumps. Due to the severe hot weather in the Oconee service area and the marginal ability of the electrical utilities in the area to meet their power demands, the licensee requested this temporary change to permit 100% power operation of Unit 2, on a conditional basis, through August 15, 1980. Pump repairs or replacement will not be complete before that date.

Evaluation

Of the remaining two HPI pumps, the "A" pump is in operation for system make-up and reactor coolant pump seal injection flow. The "C" pump is in standby; this pump was verified operable on July 17, 1980. The licensee stated all power supplies, instrumentation and controls, and auxiliary support systems for the HPI system are operable.

Three HPI pumps are required to be operable only in the event of (1) a limiting single failure in the HPI system, and (2) a postulated break in the primary cold leg piping of between 0.04 and 0.10 sq. ft. in the vicinity of the HPI nozzle for which the HPI flow is assumed lost and failure of one of the HPI pumps.

Otherwise, only one HPI pump, assuming single failure of the remaining pump, would be required. With Pump "A" operating and Pump "C" on standby, it is required that valve HP-26 which is normally closed, open on receipt of an engineered safeguards (ES) signal. To reduce the probability of this valve failing to open on signal, an operator would be stationed to ensure the valve does open on receipt of an ES signal.

We have verified with the U. S. Department of Energy, the cognizant Federal agency concerned with adequacy of electrical power availability, that the Duke Power Company service area and the VACAR subregion of the Southeastern power distribution region has practically no electrical energy reserves when consumption is at the expected peaks in the time period to August 15, 1980.

As the request is only for a duration of 15 days, and conditioned to power needs, the low probability of the most limiting small break (0.04 to 0.10 sq. ft.), and the compensating factor of stationing an operator to verify the opening of valve HP-26, we conclude that this temporary TS change is acceptable.

Environmental Consideration

We have determined that the amendments do 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 amendments involve 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 these amendments.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendments do not involve a significant increase in the probability or consequences of accidents previously considered and do not involve a significant decrease in a safety margin, the amendments do 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 these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Dated: August 1, 1980

UNITED STATES NUCLEAR REGULATORY COMMISSION 7590-01

DOCKETS NOS. 50-269, 50-270 AND 50-287

DUKE POWER COMPANY

NOTICE OF ISSUANCE OF AMENDMENTS TO FACILITY

OPERATING LICENSES

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendments Nos. 85, 85, and 82 to Facility Operating Licenses Nos. DPR-38, DPR-47, and DPR-55, respectively, issued to Duke Power Company (the licensee), which revised the Station's common Technical Specifications for operation of the Oconee Nuclear Station, Units Nos. 1, 2 and 3, located in Oconee County, South Carolina. These amendments are effective as of the date of issuance.

These amendments revise the Technical Specifications for Unit No. 2 by extending on a temporary basis the allowable period of inoperability of the "2B" High Pressure Injection Pump through August 15, 1980. This action was due to a potential power shortage in the Duke Power Company service area.

The application for the amendments 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 amendments. Prior public notice of these amendments was not required since the amendments do not involve a significant hazards consideration.

The Commission has determined that the issuance of these amendments 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 these amendments.

For further details with respect to this action, see (1) the application for amendments dated July 31, 1980, (2) Amendments Nos. 85, 85, and 82 to Licenses Nos. DPR-38, DPR-47 and DPR-55, respectively, 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 Oconee County Library, 201 South Spring Street, Walhalla, South Carolina. 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 Licensing.

Dated at Bethesda, Maryland, this 1st day of August 1980.

FOR THE NUCLEAR REGULATORY COMMISSION

Robert W. Reid

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