

September 6, 1990

Docket No. 50-261

DISTRIBUTION
See attached page

Mr. Lynn W. Eury
Executive Vice President
Power Supply
Carolina Power & Light Company
Post Office Box 1551
Raleigh, North Carolina 27602

Dear Mr. Eury:

SUBJECT: ISSUANCE OF AMENDMENT NO. 129 TO FACILITY OPERATING LICENSE NO. DPR-23 REGARDING STEAM GENERATOR TUBE INSPECTION - H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2, (TAC NO. 77070)

The Nuclear Regulatory Commission has issued the enclosed Amendment No. to Facility Operating License No. DPR-23 for the H. B. Robinson Steam Electric Plant, Unit No. 2. This amendment consists of changes to the Technical Specifications in response to your request dated June 26, 1990.

The amendment would allow steam generator tube inspection to be performed from either the hot-let or the cold-leg side of the channel head.

A copy of the related Safety Evaluation is enclosed. Notice of Issuance will be included in the Commission's next bi-weekly Federal Register notice.

Sincerely,

Original signed by:

Ronnie H. Lo, Senior Project Manager
Project Directorate II-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:

- 1. Amendment No. 129 to DPR-23
- 2. Safety Evaluation

cc w/enclosures:
See next page

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NAME	: PAnderson	: RLo: dt	: EAdensam	:	:	:
DATE	: 8/20/90	: 8/21/90	: 9/4/90	:	:	:

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AMENDMENT NO. 129 TO FACILITY OPERATING LICENSE NO. DPR-23 - ROBINSON,
UNIT NO. 2

DISTRIBUTION

~~Docket File~~

NRC PDR

Local PDR

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Tech Branch that had input in package (Principal Contributor of SE)

ACRS (10)

GPA/PA

OC/LFMB

cc: Robinson Service List

Mr. L. W. Eury
Carolina Power & Light Company

H. B. Robinson Steam Electric
Plant, Unit No. 2

cc:

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

CAROLINA POWER & LIGHT COMPANY

DOCKET NO. 50-261

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 129
License No. DPR-23

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Carolina Power & Light Company (the licensee), dated June 26, 1990, 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-23 is hereby amended to read as follows:

B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 129, are hereby incorporated in the license. Carolina Power & Light Company 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

Original signed by:

Elinor G. Adensam, Director
Project Directorate II-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: September 6, 1990

OFC	: LA: PD21: DRPR: PM: PD21: DRPR:	OGC	: D: PD21: DRPR :	:	:
NAME	: Patterson	: RLo: PLO	: myoung	: EAdensam	:
DATE	: 8/20/90	: 8/21/90	: 8/23/90	: 9/4/90	:

ATTACHMENT TO LICENSE AMENDMENT NO. 129

FACILITY OPERATING LICENSE NO. DPR-23

DOCKET NO. 50-261

Replace the following page of the Appendix A Technical Specifications with the enclosed page. The revised area is indicated by a marginal line.

Remove Page

4.2-1

Insert Page

4.2-1

4.2 PRIMARY SYSTEM SURVEILLANCE

Applicability

Applies to in-service structural surveillance of the reactor vessel and primary system boundary.

Objective

To assure the continued integrity of the primary system boundary.

Specification

4.2.1.1 Inservice Inspection of Steam Generator Tubes

4.2.1.1.1 Tube Inspection

Entry from either the hot-leg side or cold-leg side with examination encompassing the area from the hot-leg tube end completely around the U-bend to the top support of the cold leg is considered a tube inspection.

4.2.1.1.2 Sample Selection and Testing

Selection and testing of steam generator tubes shall be made on the following basis:

- (a) One steam generator shall be inspected during inservice inspection in accordance with the following requirements:
 - 1. The inservice inspection may be limited to one steam generator on a rotating sequence basis. This examination shall include at least 9% of the tubes if the results of the first or a prior inspection indicate that all three generators are performing in a comparable manner.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 129 TO FACILITY OPERATING LICENSE NO. DPR-23

CAROLINA POWER & LIGHT COMPANY

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2

DOCKET NO. 50-261

1.0 INTRODUCTION

By letter dated June 26, 1990, the Carolina Power & Light Company submitted a request for changes to the Technical Specifications of the H. B. Robinson Steam Electric Plant, Unit No. 2. The proposed amendment would allow steam generator tube inspection to be performed from either the hot-leg or cold-leg side of the channel head.

2.0 EVALUATION

Section 4.2.1.1.1 of the Technical Specifications defines a tube inspection as "entry from the hot-leg side with examination from the point of entry completely around the U-bend to the top support on the cold-leg side." The licensee is proposing that this definition be changed so that a tube inspection could involve entry from either the hot- or cold-leg side. Specifically, a tube inspection would be defined to consist of "entry from either the hot-leg or cold-leg side with examination encompassing the area from the hot-leg tube end completely around the U-bend to the top support on the cold-leg."

The licensee is proposing this change because of damage to the tubesheet and tube ends of steam generator C from a loose part (split pin nut) incident on April 2, 1987. This damage obliterated some of the tubesheet face markings used to identify specific tubes on the hot-leg. Similar markings on the cold-leg remain intact. Damage to the hot-leg tube ends resulted in limitations on the ability to insert the eddy current test probe through these tube ends. These limitations do not exist for the cold-leg tube ends.

The licensee states that entry from the cold-leg side will increase inspection times slightly but will provide more flexibility in how the inspection data are obtained and would preclude potential damage to the eddy current test probe resulting from tube end damage.

The proposed revision to the definition of tube inspection will not change the portion of the tube length which is presently required to be inspected. Because this portion can be accessed from either the hot-or cold leg tube end, the staff concludes that the proposed change is acceptable.

Concerning radiation exposure to personnel during the inspection, the licensee indicates that there should be no difference for entry either from the hot-leg or the cold-leg side. In fact, the flexibility should reduce the time required from performing the inspection and result in a reduction of radiation exposure. The staff concludes that the amendment is consistent with keeping the radiation dose to plant personnel as low as reasonable achievable.

3.0 ENVIRONMENTAL CONSIDERATION

This amendment changes the surveillance requirements of facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released off site; and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration, and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

4.0 CONCLUSION

The Commission made a proposed determination that this amendment involves no significant hazards consideration, which was published in the FEDERAL REGISTER (55 FR 30292) on July 25, 1990, and consulted with the State of South Carolina. No public comments or requests for hearing were received, and the State of South Carolina did not have any comments.

The Staff has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) 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: September 6, 1990

Principal Contributor: Emmett Murphy