

APR 4 1973

Docket No. 50-261

Carolina Power & Light Company
ATTN: Mr. E. E. Utley, Vice President
Bulk Power Supply Department
336 Fayetteville Street
Raleigh, North Carolina 27602

Change No. 16
License No. DPR-23

Gentlemen:

On March 30, 1973, you proposed a change to the Technical Specifications of Operating License No. DPR-23 for the H. B. Robinson Unit No. 2. The proposed change would permit 98% efficiency for methyl iodide removal during laboratory testing of charcoal filters for the spent fuel building and containment purge exhaust system.

We have reviewed your application for the proposed change and have designated our action as Change No. 16. In the course of our review we found that modifications to the proposed change were required to meet regulatory requirements. These modifications were discussed with members of your staff. We conclude that Change No. 16, as modified, does not present significant hazards considerations not described or implicit in the Safety Analysis Report and that there is reasonable assurance that the health and safety of the public will not be endangered.

Pursuant to 10 CFR Part 50, Section 50.59, the Technical Specifications appended to Facility Operating License No. DPR-23 are changed as shown in Attachment A.

Sincerely,

Original Signed by
A. J. Skovholt

Donald J. Skovholt
Assistant Director for
Operating Reactors
Directorate of Licensing

Enclosures and cc: See next page

LB

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Enclosures:

1. Attachment A - Change No. 16
to the Technical Specifications
2. Safety Evaluation for Change No. 16

cc w/enclosures:

George F. Trowbridge, Esquire
Shaw, Pittman, Potts, Trowbridge & Madden
910 - 17th Street, N. W.
Washington, D. C. 20006

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ATTACHMENT A

CHANGE NO. 16 TO THE TECHNICAL SPECIFICATIONS

CAROLINA POWER & LIGHT COMPANY

DOCKET NO. 50-261

The following change is to be made in the Technical Specifications.

1. Table 4.1-3, Item 16

In the column entitled "Check" replace the last sentence with the words: "Laboratory carbon sample analysis shall demonstrate $\geq 98\%$ radioactive methyl iodide removal at a face velocity of 40 ft/min and \geq one mg/M³ inlet iodine concentration with $\geq 70\%$ relative humidity. After July 1, 1973, laboratory carbon sample analysis shall demonstrate $\geq 99.5\%$ radioactive methyl iodide removal at the same test conditions.

2. Add to paragraph 3.8.11:

"The relative humidity of the atmosphere in the work location shall be $\leq 95\%$ prior to movement of irradiated fuel in the spent fuel building or in containment."

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Files (Robinson-2, Docket No. 50-261)
THRU: R. J. Schemel, Chief, ORB #1, L

SAFETY EVALUATION FOR CHANGE NO. 16

Credit was taken in the Safety Analysis for removal of 70% of the organic iodide (see Safety Guide 25). A two inch charcoal bed which removes 98% of the organic iodide at 70% relative humidity would remove about 70% of the organic iodide at 97% relative humidity (see ORNL-NSIC-25, Fig. 5.1). Because of uncertainty in field measurement of relative humidity the proposed change was modified to require the relative humidity to be 95% when fuel is handled. Therefore, the organic iodide removal capability of the charcoal bed is at least as great as credited in the Safety Analysis, accordingly, this reduction in filter efficiency is acceptable for this refueling.

We conclude that Change No. 16 does not present significant hazards considerations not described or implicit in the Safety Analysis Report and that there is reasonable assurance that the health and safety of the public will not be endangered.

/s/ L. Rooney
Operating Reactors Branch #1
Directorate of Licensing

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