

December 6, 1989

Docket No. 50-261

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: AMENDMENT NO. 124 TO FACILITY OPERATING LICENSEE NO. DPR-23 -
H.B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2, REGARDING DIESEL
FUEL OIL INVENTORY

I wish to correct a typographical error in the Safety Evaluation Report
(SER) on the above subject amendment. A corrected copy of the SER as
markup is enclosed.

Sincerely,

Original Signed By:

Ronnie Lo, Senior Project Manager
Project Directorate II-1
Division of Reactor Projects - I/II

Enclosure:
As stated

cc w/encl:
See next page

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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 124 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 November 30, 1988, the Carolina Power & Light Company submitted a request for changes to the H. B. Robinson Steam Electric Plant, Unit No. 2, (HBR-2) Technical Specifications (TS) to increase the quantity of diesel generator fuel oil required to be stored onsite. This increased minimum inventory will ensure that sufficient fuel is available to operate one diesel generator at its rated design capacity for seven days following a design basis accident. By letter dated May 5, 1989, the licensee supplemented the request by adding surveillance requirements on testing and sampling of the diesel fuel oil inventory. By letter dated October 11, 1989, the licensee submitted a revision to correct the quantity of diesel generator fuel oil required to be stored onsite (from 32,000 gallons as proposed in the November 30, 1988 letter to ~~35,000~~ gallons) because of an error in the calculational basis in the original request submitted on November 30, 1988. ^{34,000}

On May 5, 1989, the licensee supplemented the original amendment request by adding surveillance requirements associated with the increased diesel fuel oil inventory requirements. On October 11, 1989, the licensee corrected the original amendment request by increasing the required diesel generator fuel oil onsite from 32,000 gallons to ~~35,000~~ gallons. These proposed changes place additional requirements on the licensee and do not affect the proposed determination that this amendment involves no significant hazards consideration. ^{34,000}

2.0 EVALUATION

Each one of the diesel generators adequately carries the maximum safety equipment loads. The full load fuel consumption rating indicated by factory tests is 174 gallons per hour according to internal licensee documents. (see NRC Inspection Report No. 50-261/87-06, Section 3.e.(f)). The proposed TS requirement of a minimum supply of 19,000 gallons of diesel fuel inventory at the Unit 2 diesel generator fuel oil storage tank and an additional 15,000 gallons at either Unit 1 I-C turbine fuel oil storage tank, or a combination of the two tanks, should exceed the fuel consumption of one diesel generator operating at full load for seven days. This meets the intent of the original TS and is consistent with the Updated Final Safety Analysis Report (UFSAR) Section 8.3.1.1.5.1 statement regarding the maintenance of minimum fuel oil inventory sufficient for one diesel

generator to operate at full load for seven days. The original inconsistencies between the existing TS and the UFSAR were noted during the staff's Safety System Functional Inspection conducted between March 9 and April 15, 1987. The proposed TS changes to increase the minimum fuel oil inventory requirement would resolve the inconsistencies.

The existing capacities of the Unit 2 diesel generator fuel oil storage tank (25,000) and the Unit 1 I-C turbine fuel oil storage tanks (95,000 gallons) exceed the minimum fuel oil inventory requirements of the proposed TS. The proposed TS change to administratively maintain an increased minimum fuel oil inventory does not impact on the combustible loading for the HBR-2 Fire Hazard Analysis. The staff finds the proposed TS change to be acceptable.

Corresponding changes were also proposed in the Surveillance Requirements to maintain the increased minimum fuel oil inventory.

3.0 ENVIRONMENTAL CONSIDERATION

Pursuant to 10 CFR 51.21, and 51.35, an environmental assessment and finding of no significant impact have been prepared and published in (54 FR 5161) on February 1, 1989. Accordingly, based upon the environmental assessment, the Commission has determined that the issuance of this amendment will not have a significant effect on the quality of the human environment.

4.0 CONCLUSION

The Commission made a proposed determination that this amendment involves no significant hazards consideration, which was published in the FEDERAL REGISTER (54 FR 5161) on February 1, 1989, and consulted with the State of North Carolina. No public comments or requests for hearing were received, and the State of North 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, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: Ronnie Lo

Dated: October 26, 1989

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OGC 15-B-18

D. Hagan MNBB-3302

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G. Gill. (4 cys for each Docket No.) P1-137

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