

SUPPLEMENT NO. 1 TO THE FEBRUARY 28, 1978
FIRE PROTECTION SAFETY EVALUATION REPORT
BY THE OFFICE OF NUCLEAR REACTOR REGULATION
U. S. NUCLEAR REGULATORY COMMISSION
FACILITY OPERATING LICENSE NO. DPR-23
CAROLINA POWER & LIGHT COMPANY
H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261

September 4, 1979

7910020528

INTRODUCTION

By letter dated April 27, 1979, Carolina Power & Light Company (the licensee) requested a change to the NRC Fire Protection Safety Evaluation dated February 28, 1978, for the H. B. Robinson Steam Electric Plant, Unit No. 2. The proposed change would extend the completion dates for certain modifications required to improve the level of fire protection at the facility.

DISCUSSION AND EVALUATION

On February 28, 1978, the Commission issued Amendment No. 31 to License No. DPR-23 for H. B. Robinson Unit No. 2. The amendment added a condition to the license which required completion of the modifications identified in paragraphs 3.1.1 through 3.1.27 of the NRC's Fire Protection Safety Evaluation (FPSE) for H. B. Robinson Unit 2 dated February 28, 1978. All of these modifications were to have been completed by the end of the 1979 refueling outage. By letter dated April 27, 1979, the licensee requested a limited extension of the scheduled completion dates for item 3.1.21, Lube Oil Shielding System, and item 3.1.23, Battery Room Ventilation Air Flow Monitor, required by Table 3.1 of the FPSE. Because of unforeseen design problems for item 3.1.21 with the oil collection system on operability and maintainability of the reactor coolant pumps and motors on a long-term basis, the licensee stated that it was not possible to procure and install the modifications during the 1979 refueling outage. Also, during the procurement phase for item 3.1.23, the licensee stated that the required safety related fan motors could not be provided by the vendor on a schedule consistent with the schedule for completion of the modification.

The specific modifications for which the licensee requests the completion dates to be extended are as follows:

3.1.21 Lube Oil Shielding System

A lube oil spill protection and control system has been proposed to be installed around each reactor coolant pump motor to prevent contact of lube oil with hot pump surfaces.

3.1.23 Battery Room Ventilation Monitoring

Ventilation system supply and exhaust damper positions will be monitored. Combined with the existing ventilation fan status monitor, this will provide the required ventilation air flow monitor.

The licensee has requested, for the reasons stated above, that the completion date for item 3.1.21 be extended to October 31, 1980, and the completion date for item 3.1.23 be extended to October 1979.

SUMMARY

We have concluded that the limited extension of the schedules will not significantly affect the ability to safely shut down the reactor in the event of a fire, that the licensee has made a conscientious effort to fulfill his commitments on schedule, that the ability to combat fires has been improved, that the proposed changes to the modification dates do not change the bases or conclusions regarding the modifications, and, therefore, find the proposed limited schedule extensions acceptable.

ENVIRONMENTAL CONSIDERATION

We have determined that the amendment (i.e. one time, limited schedule extensions) does 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 amendment 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 this amendment.

CONCLUSION

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

Attachment:
Table 3.1

Dated: September 4, 1979

TABLE 3.1

IMPLEMENTATION DATE FOR LICENSEE

PROPOSED MODIFICATIONS

<u>ITEM</u>	<u>DATE</u>
3.1.1	Fire Dampers.End of 1979 Refueling Outage
3.1.2	Fire Detectors.End of 1979 Refueling Outage
3.1.3	Fire Doors.End of 1979 Refueling Outage
3.1.4	Fire Retardant Cable Coating.End of 1979 Refueling Outage
3.1.5	Carbon Dioxide Extinguishing SystemEnd of 1979 Refueling Outage
3.1.6	Automatic Sprinkler System.End of 1979 Refueling Outage
3.1.7	Preaction Sprinkler System.End of 1979 Refueling Outage
3.1.8	Storage of Combustible Materials.February 1978
3.1.9	Halon Extinguishing System.End of 1979 Refueling Outage
3.1.10	Interior Hose Stations.End of 1979 Refueling Outage
3.1.11	Portable Fire ExtinguishersEnd of 1979 Refueling Outage
3.1.12	Hydrogen PipingEnd of 1979 Refueling Outage
3.1.13	Separate Fire Water Connection.End of 1979 Refueling Outage
3.1.14	Self-Contained Breathing Apparatus.End of 1979 Refueling Outage
3.1.15	Fire Fighting Equipment Storage Building.End of 1979 Refueling Outage
3.1.16	Portable Ventilation Equipment.End of 1978
3.1.17	Insulation of PipesEnd of 1979 Refueling Outage
3.1.18	Diesel Generator Room Ventilation Fans.End of 1979 Refueling Outage
3.1.19	Computer Tape Storage CabinetEnd of 1978
3.1.20	Control Room Kitchen.End of 1979 Refueling Outage
3.1.21	Lube Oil Shielding SystemOctober 31, 1980
3.1.22	Sound Powered Telephone CableEnd of 1979 Refueling Outage
3.1.23	Battery Room Ventilation Air Flow MonitorOctober 1979
3.1.24	Electrical Cable PenetrationsEnd of 1979 Refueling Outage
3.1.25	Diesel Generator Fuel Supply.July 1978
3.1.26	Diesel Room Fire DoorEnd of 1979 Refueling Outage
3.1.27	Diesel Room Floor Drain Backflow PreventionEnd of 1979 Refueling Outage