



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

FIRE PROTECTION
SAFETY EVALUATION REPORT
BY THE
OFFICE OF NUCLEAR REACTOR REGULATION
IN THE MATTER OF
TOLEDO EDISON COMPANY
AND
THE CLEVELAND ELECTRIC ILLUMINATING COMPANY
DAVIS-BESSE NUCLEAR POWER STATION, UNIT NO. 1
DOCKET NO. 50-346
SUPPLEMENT NO. 1
AUGUST 23, 1979

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Introduction

By letter dated August 14, 1979, Toledo Edison Company (the licensee) requested a change to the schedule for installing the fire protection modifications for the service water pump and valve room of the Davis Besse Nuclear Power Station, Unit No. 1 (Davis Besse-1). The change would extend the date of completion of the modifications from July 1, 1979 to December 31, 1979. The proposed change would change Table I of the Fire Protection Safety Evaluation Report for Davis Besse-1 dated July 26, 1979, to reflect the proposed schedule change.

Background and Discussion

On July 26, 1979, the Commission issued Amendment No. 18 to the Davis Besse-1 operating license. The amendment added a condition to the license (2.C(4)) which requires completion of the fire protection modification in the service water pump and valve room identified in Paragraph 4.3 of the NRC's Fire Protection Safety Evaluation for Davis Besse-1 dated July 26, 1979. This amendment also added a license condition which requires completion of these modifications in accordance with the schedule given in Table I of the Fire Protection Safety Evaluation. The schedule calls for completion of the fire protection modifications in the service water pump and valve room to be completed by July 1, 1979.

In late May 1979, the licensee recognized that their effort to complete this modification were behind schedule and with the number of other high priority efforts, fire protection on this item did not receive the special attention to accelerate the fire protection modifications consistent with the licensee's commitment. Contractor selection has been completed and procurement of materials has been initiated. The projected schedule now identifies the service water pump and valve room modifications as a priority task to be completed on December 31, 1979.

To compensate for the fire protection modification which would not be in service until December 31, 1979, the licensee has proposed by letter dated August 14, 1979, to provide the following additional items in the interim period:

- 1) The hose house adjacent to fire water system hydrant #2 will have a length of hose long enough to provide fire-fighting capabilities in the service water pump room.
- 2) A 150 pound wheel mounted dry chemical extinguisher will be positioned to be accessible to this area by its hose length.
- 3) The service water pump and valve rooms will be visually checked by station personnel at least once every four hours.

We have discussed the licensee's proposal with the licensee's staff and they have agreed to provide the following additional assurance:

The licensee will provide a continuous fire watch in the service water pump and valve room whenever maintenance activities provide an ignition source or an increase in transient combustibles.

Evaluation and Conclusion

We have reviewed the licensee's request and proposed compensatory measures as modified by staff discussions. We have noted that the service water pump and valve room have fire detectors and that procedures have been prepared to provide an alternate source of service water from the station circulating water system. We have determined that the licensee's proposed measures as modified provides, with the existing fire protection facilities, an acceptable level of fire protection for the service water pump and valve room in the interim period from August 15, 1979 through December 31, 1979 and therefore it is acceptable to change the schedule (Table I of the Fire Protection Safety Evaluation) for completion of the fire protection modification in the service water pump and valve room to December 31, 1979.