NRC-PDR

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

JUL 25 1979

MEMORANDUM FOR: D. Ziemann, Chief, Operating Reactors Branch #2, Division of Operating Reactors

FROM: G. Lainas, Chief, Plant Systems Branch, Division of Operating Reactors

SUBJECT: SAFETY EVALUATION REPORT, FIRE PROTECTION PROGRAM

Plant Name: Dresden 1
Licensee: Commonwealth Edison Co.
Docket No.: 50-10
Project Manager: S. Nowicki
Responsible Branch: Plant Systems Branch
Requested Completion Date:
Status: Draft SER completed

By memo dated May 15, 1979, transmitting our evaluation of the fire protection program at the Dresden 1 plant, we indicated that our consultant's report would be completed by June 15, 1979. A telecopy of this report was received on July 3, 1979. A copy of this report is enclosed, along with a copy of Section 9, Consultant's Report of the subject SER which discusses consultant recommendations that have not been totally adopted by the staff.

G. Lainas, Chief
Plant Systems Branch
Division of Operating Reactors

Contact:
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Enclosures:
As stated

cc w/enclosure:
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## 9.0 CONSULTANTS REPORT

Brookhaven National Laboratory under contract to the NRC has provided the services of fire protection consultants who participated in the evaluation of the fire protection program. They have also participated in the preparation and review of this safety evaluation report. Their report, Fire Protection in Operating Nuclear Power Stations - Dresden 1 SER Review dated July 3, 1979, discusses items which have been addressed in this report. The consultants recommendations which we have not totally adopted are discussed below. Our basis for not adopting these recommendations are given below.

Consultants Recommendations Not Adopted

1.1 Valve Supervision

"Electrical valve supervision should be provided on all valves controlling fire water systems and sectionalizing valves. The present proposal of administrative controls or locks is unacceptable.

Staff Response: The NRC guidelines on valve supervision are given in Appendix "A" of Branch Technical Position (BTP) 9.5-1 of the Standard Review Plan. These guidelines permit, as an alternative to electrical supervision, an administrative program to assure that valves are maintained in the proper position. Such a program includes locking valves with strict key control or sealing valves with tamper proof seals. Periodic inspections are to be performed to verify that the method of securing the valve is intact.

These measures are consistent with the requirements imposed for supervising valves in safety-related systems, and provide adequate assurance that valves are maintained in the appropriate position. The licensee's program for valve supervision is consistent with NRC guidelines, see SER Section 4.3.1.c. In addition, the plant Technical Specifications are being revised to require a monthly check of all valves in the flow path to fire suppression systems. We find that a significant increase in plant safety would not result from the use of electrical supervision of all valves in the fire water systems.

1.2 Ventilation System

The present portable system consists of two 5200 CFM fans with ducting, and additional portable units available from the local fire department. BNL recommends an additional 5200 CFM blower be on hand to be more consistent w
portable ventilation.

Staff Response: The licensee h
supervac units. The local fire
minutes of the plant has addi
if necessary. We find that th
concern of providing adequate

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