



Commonwealth Edison

One First National Plaza, Chicago, Illinois
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Chicago, Illinois 60690

July 27, 1979

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Zion Station Units 1 and 2
Status of Fire Protection Modifications
NRC Docket Nos. 50-295 and 50-304

References (a): April 13, 1979 letter from A. Schwencer
to Cordell Reed

(b): June 6, 1979 letter from C. Reed to
H. R. Denton

Dear Mr. Denton:

Per Reference (a), Commonwealth Edison Company was requested to provide a status report on the completion of all unfinished modifications which the NRC Staff required to improve the level of fire protection at Zion Station. Reference (b) indicated that on June 1, 1979 all but three of the nine modifications listed in Table 3.1 of Reference (a) were completed. The current status of the three remaining modifications follows:

Gas Suppression Systems (Item 3.1.3)

The automatic Halon suppression system and the manually actuated CO₂ systems have been installed. Both have been 100% mechanically and electrically tested. However, some concentration testing to verify the design and to fine tune the system remains. Currently, the Halon system concentration testing is in progress. This testing, barring no unforeseen problems, should be completed in two or three weeks.

The CO₂ systems for the component cooling water pumps, the auxiliary feed pumps and the containment spray pumps have been tested, verified and placed in service. The full concentration testing of the CO₂ system for the cable spreading room and containment penetration cable vaults will be done at

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the first available cold shutdown outage primarily because during these tests, localized atmospheric temperatures in these areas may reach -50°F to -100°F and possibly result in a reactor trip. In the interim, these systems which have been "puff" tested will be placed in service by August 1, 1979.

Fire Doors (Item 3.1.14)

Twenty-four (24) fire doors were to be installed as part of the required fire protection modifications. Many of these fire doors were installed during the original plant construction, however, they were not labelled as fire doors and hence had to be replaced with labelled doors. As References (a) and (b) indicated, the long delivery time of this specialized equipment from vendors has resulted in numerous delays in completing this modification. Currently, fourteen (14) of these fire doors have been installed with ten (10) unlabelled doors still to be replaced. As Reference (b) indicated, Commonwealth Edison expected delivery of the remaining ten (10) doors on July 2, 1979; however, these doors were not delivered until the week of July 23, 1979. Although the received doors are now being installed on an expedited basis, the installation will not be completed by August 1, 1979 primarily because each unlabelled door and frame must be removed and replaced by a labelled door on a one-for-one basis to maintain required protection. However, barring no unforeseen problems, all the labelled doors should be installed by the end of August 1979.

Reactor Coolant Pump (Item 3.1.18)

As indicated in Reference (b), the Unit 2 system is complete and the Unit 1 system is projected to be completed prior to Unit 1 Cycle 5 startup. Currently, all the equipment necessary for this modification is on site.

Please address any additional questions that you might have concerning this matter to this office.

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One (1) signed original and thirty-nine (39) copies of this letter are provided for your use.

Very truly yours,



Cordell Reed
Assistant Vice-President

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