



Commonwealth Edison

One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690

July 9, 1985

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

Subject: Zion Nuclear Power Station Units 1 and 2
Fire Protection
NRC Docket Nos. 50-295 and 50-304

Reference: August 31, 1984 letter from R. N. Cascarano
to H. R. Denton.

Dear Mr. Denton:

The referenced letter submitted for your review and approval a modification implementation schedule of the work necessary to achieve compliance with 10 CFR 50, Appendix R. The purpose of this letter is to provide you with an updated schedule (attached). In general, the modification work has been proceeding in accordance with the original estimates. However, there are three items that have been altered. These are discussed individually below.

Item 4

The handwheel chains and declutch levers for MOV-MS0005, MOV-MS00011, and MOV-RH8701 were not installed because the valve manufacturer was unable to support the seismic qualification of these additions. As an alternative, ladders have been chained in place adjacent to these valves. This will allow manual operation of these valves. This work is complete.

ITEM 12

The fire wrapping of 2C AFW pump has been delayed until the Fall, 1985 refueling outage. This will preclude wrapping the cables and then connecting the same cables only two months later. The performance of both activities during the same time frame will better ensure the integrity of the fire wrapping.

File 11

July 9, 1985

ITEM 22

The fireproofing of the structural ceiling beams in the ESF switchgear rooms has been delayed until the next available refueling outage. This schedule change will reduce the probability of reactor trips inadvertently caused by the construction activity in the rooms.

If any questions arise concerning this matter, please direct them to this office.

Very truly yours,

Peter LeBlond

P. C. LeBlond

Nuclear Licensing Administrator

lm

Attachment

cc: NRC Resident Inspector - Zion
J. Norris - NRR

U347K

7/09/85

FIRE PROTECTION MODIFICATIONS SCHEDULE

Page 1 of 4

	<u>Unit 1 Installation</u>	<u>Unit 2 Installation</u>	<u>Remarks</u>
1. Providing means of venting instrument air from PORV-RC455 and PCV-RC456 (i.e. de-energize associated solenoid operated valve)-Add isolation switches in inner cable spread room, reroute DC control cables in conduit	1985 Outage Complete	1985 Outage	
2. Providing means of venting instrument air from letdown and excess letdown valves (i.e., de-energize associated solenoid operated valve). -Add isolation switch in inner cable spreading rooms	1985 Outage Complete	1985 Outage	
3. Installing a 3-way valve to facilitate bleeding of instrument air from FCV-MS57.	Complete	Complete	
4. Install chains for handwheel and declutch lever for valves MOV-MSG005, MOV-MS0011 and MOV-RH8701.	1985 Outage Complete	1985 Outage	Ladders were installed as an alternative. (see letter.)
5. Work associated with mounting steam generator pressure indicator PI-MS514 outside valve house.	1985 Outage Complete	1985 Outage	
6. Work associated with mounting handloader for atmospheric dump valve MOV-MS0017 (SG A) outside valve house. Includes permanent mount for air bottle.	1986 Outage	1985 Outage	Dependant upon Engineering Design & Equip. Delivery
7. Work associated with the reactor coolant pump oil collection system - Seismic review of ring header - Drain to cavity flood sump - Cavity flood sump modifications	1985 Outage Complete	1985 Outage	
8. Installation of residual heat removal temperature and flow indicator and local M/A stations	1986 Outage	1985 Outage	Inst. Delivery Exceeds Acceptable time frame for 1985 U-1 Outage
9. Work associated with boron sampling - Modify AOV air lines to facilitate opening "A" loop sample - Provide sample Valve and Cont. Iso. Valves with portable air bottle - Provide scheme to provide feed to the sample panel	1986 Outage	1985 Outage	

7/09/85

FIRE PROTECTION MODIFICATIONS SCHEDULE

Page 2 of 4

	<u>Unit 1 Installation</u>	<u>Unit 2 Installation</u>	<u>Remarks</u>
10. Work associated with rerouting Diesel Gen. fuel oil transfer pumps feed	1985 Outage Complete	1985 Outage	
11. Independent power feed for instrumentation			
a) Addition of new power supplies			
- RC Loop Pressure (403)	1986	1985	Inst. Delivery Exceeds Acceptable time frame for 1985 U-1 Outage
- PZR Level (459)	Outage	Outage	
- SG Level (501)			
b) Work associated with routing new MI cable			
- RC Loop Pressure (403)	1986	1985	Cable Delivery Exceeds acceptable time frame for 1985 U-1 Outage
- PZR Level (459)	Outage	Outage	
- SG Level (501)			
- T hot leg			
- T cold leg			
c) Addition of Isolation Switches			
- RC Loop Pressure (403)	1986	1985	Outage
- PZR Level (459)	Outage	Outage	
- SG Level (501)			
d) Work associated with installing isolators			
- SG Pressure	1985	1985	Outage
- Aux. FW Flow	Outage	Outage	
- SG Levels	Complete		
e) Work associated with installation of isolation panels	1985 Outage Complete	1985 Outage	
12. Work associated with rerouting AFW Pump "C" Feed	1985 Outage Complete	1985 Outage	
- Fire Wrap @ 579'-0"	7/31/85	1985 Outage	Unit 1 fire wrapping in progress. (see letter.)
13. Isolation Switches for diesel generator output breakers	1986 Outage	1985 Outage	

7/09/85

FIRE PROTECTION MODIFICATIONS SCHEDULE

Page 3 of 4

	<u>Unit 1 Installation</u>	<u>Unit 2 Installation</u>	<u>Remarks</u>
14. Procurement and Installation of 1) Fire Dampers for: a) Battery Rooms b) Charging Pump Cubicles 2) Fire Doors	1986 Outage	1985 Outage	Eng. to be complete by Sept. 15, 1984 Equip. Delivery exceeds acceptable time frame for 1985 U-1 Outage
15. Procurement and Installation of New Smoke or Heat Detectors - Aux. Building	July 31, 1985		In progress.
16. Extending Metal Sheathing around one side of AFW 2C motor	N/A	1985 Outage	
17. Work associated with Terminating Centrifugal charging power cable 1A and providing 1 hour fire wrap on conduit on 579'-0" elev.	Cable-1985 Outage Complete Wrap-7/31/85	N/A	In progress.
18. Work associated with adding bypass around closing side solenoid on main steam isolation valve.	Complete	1985 Outage	
19. Installing fire stops in cable pan trays for component cooling water pumps.	June 1, 1985 Complete		
20. Separating Units fire detection system on the component cooling water pumps	June 1, 1985 Complete		
21. Provide Diesel Generator Local Control Capability.	1986 Outage	1985 Outage	
22. Fire Proofing Structural Steel in ESF switchgear rooms (ceiling beams only)	1986 Outage	1985 Outage	Delayed to operational concerns. (see letter.)
23. Add/Re-Aim Emergency Lights	January 1, 1986		In progress.
24. Communication Mods	June 1, 1985 Complete		

7/09/85

FIRE PROTECTION MODIFICATIONS SCHEDULE

Page 4 of 4

	<u>Unit 1</u> <u>Installation</u>	<u>Unit 2</u> <u>Installation</u>	<u>Remarks</u>
25. Reroute feeds to ESF MCC's	1985 Outage Complete	1985 Outage	
26. Cables requiring termination			
42285) DC Feeds to Bus 149	1985	N/A	
42286) DC Feeds to Bus 149	Outage Complete		
42287) DC Feeds to 1B Diesel Generator	Complete	N/A	
42286) DC Feeds to 1B Diesel Generator			
42278) Feed to battery charger 112	Complete	N/A	
32285) DC Feed to BW 249	N/A	1985	
32286) DC Feed to BW 249		Outage	

0347K