



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

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OFFICE OF THE SECRETARY
D.C.
October 23, 1978

Docket Nos. 50-329
50-330

APPLICANT: Consumers Power Company

FACILITY: Midland Plant, Units 1 & 2

SUBJECT: SUMMARY OF SEPTEMBER 13, 1978 MEETING ON INFORMATION REQUESTED
BY THE AUXILIARY SYSTEMS BRANCH

On September 13, 1978, the NRC staff met in Bethesda, Maryland with Consumers Power Company (CPCO), Bechtel Associates, and the Babcock & Wilcox (B&W) Company. Attendees are listed in Enclosure 1.

The purpose of the meeting was to discuss three matters in the requests for additional information by the staff's Auxiliary Systems Branch, contained in letters dated August 30, 1978; February 24, 1978; and November 11, 1977.

Main Steam and Process Steam Piping

In request 010.43, the staff noted that the design of the main steam and process steam piping over the auxiliary building roof is based upon specific break locations for the non-seismic portions of the steam piping, which includes about 1800 feet of piping. The staff position was that the Midland piping be designed to seismic Category I requirements, or that the applicant demonstrate that cold shutdown would not be precluded in the event of a pipe break postulated anywhere in the non-seismic portion of the main steam and process steam lines.

CPCO stated that break locations in this piping were based upon the stress criteria of Branch Technical Position MEB 3-1. These criteria are applicable to seismic Category I piping. The stress analyses for this piping and its supports included OBE and SSE loadings. CPCO stated that the only areas where this piping did not meet the more stringent seismic Category I requirements were those portions imposing Appendix B, 10 CFR Part 50.

The staff indicated that the CPCO response to this request should also identify all safety-related equipment near this piping, and describe how such equipment is protected from the effects of a rupture. CPCO stated that the items of concern were (1) the chases for the heating, ventilation and air conditioning systems, (2) the control room, and (3) the cable spreading rooms. CPCO will also submit information on an assumed process steam line break above the spent fuel pool. CPCO described how each of these areas is protected by concrete walls and described additional restraints that had been added adjacent to the control room.

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Reactor Coolant Pump Cooling

This discussion was based upon staff requests 010.12, 010.26, and 010.48 which address the ability of the reactor coolant pump to operate without component cooling water. The staff stated the concerns were loss of pump seals and possible pump seizure. The staff also stated that these matters had been appealed in early September 1978 by another applicant, Public Service Electric & Gas Company on Salem Unit 2, and referred CPCO to the results of that meeting.

A related request, 10.50, was discussed which regards the potential damage to pump seals following a loss of offsite power in conjunction with the assumption of operator action to inadvertently close a valve in the seal injection line. CPCO will also submit a report by General Electric Company on the test results of seal leakage.

Fuel Cask Drop

Relative to request 010.46, CPCO described various measures under consideration to prevent the fuel cask crane from dropping a cask (e.g., additional rigging) and from precluding a cask from tipping into the spent fuel pool. The measure to be implemented will be identified in the response to this request.

The staff referred CPCO to the SER for North Anna for an example of the information needed in regard to the new high-density fuel rack design which is being considered for Midland.

CPCO stated that responses to each of the above requests will be submitted October 20, 1978 by Revision 14 to the FSAR.

Darl Hood

Darl Hood, Project Manager
Light Water Reactors Branch 4
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ENCLOSURE

List of Attendees, September 13, 1978

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Bill LeFave
Randy Stephens
Vic Benaroya
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Jerry Mazetis
R. J. Kiessel

Consumers Power Company

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