



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20556

June 8, 1992

*Docket
File*

Docket No. 50-336

LICENSEE: Northeast Nuclear Energy Company
FACILITY: Millstone, Unit No. 2
SUBJECT: SUMMARY OF MEETING OF MAY 19, 1992, WITH REPRESENTATIVES OF
NORTHEAST NUCLEAR ENERGY COMPANY TO DISCUSS THE ONSITE AND OFFSITE
POWER DISTRIBUTION SYSTEM OF MILLSTONE 2

INTRODUCTION

On May 19, 1992, representatives of the NRC and Northeast Nuclear Energy Company met in the NRC offices in Rockville, Maryland, to discuss the onsite and offsite power distribution system at Millstone 2 and the governing regulations. The purpose of the meeting was to specifically resolve the personal concerns of one licensee representative who believed that Millstone 2 did not meet the requirements of 10 CFR 50, Appendix A, General Design Criterion 17. The essence of his concern was that he did not believe Millstone 2 met GDC 17; specifically wherein during a LOCA with no credit given to the availability of the onsite emergency diesel generators, a single fault on an onsite bus and eventual loss of the reserve station service transformer could cause the simultaneous disruption of power to both redundant 4 KV Class IE divisions. Enclosure 1 provides the list of attendees.

DISCUSSION

The issue identified above was first raised in the Millstone 2 Safety System Function Inspection completed by the licensee in 1988. Resolution of this concern by the staff is documented in Inspection Report 50-336/91-30. The staff determined that Millstone 2 design complies with GDC 17 and is acceptable.

The postulated event did not give credit to the emergency diesel generator power sources and thus would assume two active failures. GDC 17 requires the assumption of a single active failure. Thus the postulated event was in error in the assumption of the emergency diesel generator power sources not being available.

In its review of this concern as identified in Inspection Report 50-336/91-30, the staff concluded that, although, Millstone 2 met the minimum requirements of GDC 17, it would be prudent for the licensee to enhance the electrical design so as to isolate a faulted bus of one offsite power supply such that the fault would not cause the other offsite power supply to be lost. The licensee has indicated that it plans modifications to be implemented during the 1994 refueling outage to correct the situation.

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The staff explained its position in the interpretations of the GDC 17, 34 and 35 noting, in particular, that the single failure criterion does not apply to the offsite power system, that the staff applies the minimum requirements in its review of compliance with GDC 17 and that, in the interpretation of GDC 34 and 35, the single failure criterion applies to referenced redundant components and systems and not to the electrical power systems.

CONCLUSIONS

The licensee's representative expressing the concerns of Millstone 2 compliance with GDC 17 indicated an understanding of the staff's position in the interpretation of General Design Criteria. It appeared that this meeting resolved his concerns.

/s/

Guy S. Vissing, Senior Project Manager
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Enclosure:
 List of Attendees

cc w/enclosure:
 See next page

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MEETING WITH NORTHEAST UTILITIES
TO DISCUSS THE ONSITE AND OFFSITE
POWER DISTRIBUTIONS SYSTEMS OF MILLSTONE 2
MAY 19, 1992

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