

September 5, 2007

LICENSEE: DUKE POWER COMPANY LLC (DUKE)

FACILITY: OCONEE NUCLEAR STATION, UNITS 1, 2, AND 3 (OCONEE)

SUBJECT: SUMMARY OF AUGUST 17, 2007, MEETING TO DISCUSS THE STATUS OF THE TORNADO AND HIGH-ENERGY LINE BREAK (HELB) EFFORTS (TAC NOS. MD3721, MD3722, MD3723, MD3724, MD3725, AND MD3726)

On August 17, 2007, the U.S. Nuclear Regulatory Commission (NRC) staff met with Duke (the licensee) to discuss the status of the Oconee tornado/HELB efforts. The handouts provided by the licensee during the meeting are available in the Agencywide Documents Access and Management System under accession number ML07230121. Enclosed is a list of the meeting attendees.

The licensee stated that it intends to use the guidance provided in Regulatory Guide (RG) 1.76, "Design Basis Tornado and Tornado Missiles for Nuclear Power Plants," Revision 1, which lowers the tornado wind speed and differential pressure (but adds missiles) from that provided in RG 1.76, Revision 0. The NRC staff agreed that using RG 1.76, Revision 1 was appropriate.

The NRC staff is currently reviewing a license amendment request (LAR) for Oconee that proposes the use of fiber-reinforced polymer (FRP) to strengthen certain walls against the effects of tornado wind speed and differential pressure. The licensee stated that in the event the NRC staff does not approve the use of FRP, the licensee would install blowout panels. The NRC staff stated that by August 31, 2007, it would inform the licensee as to whether FRP could eventually be found acceptable for use at Oconee.

The licensee stated that it intends to use the TORMIS methodology to determine that some components needed to mitigate a tornado have an acceptably low probability of damage from tornado missiles. However, the licensee noted in Slide 9 of the handout that other licensees have recently had difficulties in obtaining NRC approval for the use of TORMIS methodology. The NRC staff stated that this should not discourage the licensee from using TORMIS methodology, because these other licensees did not fully understand the TORMIS methodology. The NRC staff suggested that the licensee contact the originator of the TORMIS methodology for guidance, and the licensee stated that it had already done so. The NRC staff did not recall specifically to what extent the tornado wind speeds that are endorsed by RG 1.76, Rev. 1, are the same or similar to the enhanced Fujita scale tornado wind speeds, but the NRC staff indicated that the licensee's use of RG 1.76, Rev. 1, as endorsed by the NRC staff, is considered to be an acceptable approach. The NRC staff offered to meet with the licensee before the tornado-mitigation LAR is submitted to discuss the licensee's use of the TORMIS methodology. This LAR is currently scheduled to be submitted in January 2008.

Duke

-2-

The licensee stated that it is considering a significant change in its main steamline break (MSLB) mitigation strategy that may include the installation of main steamline isolation valves. The licensee intends to decide on its MSLB mitigation strategy and engage the NRC staff in technical discussions by the end of 2007.

/RA/

Leonard N. Olshan, Project Manager
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-269, 50-270, and 50-287

Enclosure: List of Attendees

cc w/encl: See next page

Duke

-2-

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cc w/encl: See next page

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DATE	8/31/07	8/30/07	9/5/07

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MEETING ATTENDEES
FROM AUGUST 17, 2007, MEETING
WITH DUKE POWER COMPANY LLC (DUKE)
TO DISCUSS THE STATUS OF THE OCONEE NUCLEAR STATION, UNITS 1, 2, AND
3, TORNADO AND HIGH-ENERGY LINE BREAK EFFORTS

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