

January 18, 2006

LICENSEE: DUKE ENERGY CORPORATION (DUKE)

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

SUBJECT: SUMMARY OF NOVEMBER 14, 2005, MEETING TO DISCUSS TORNADO
MITIGATION AND HIGH ENERGY LINE BREAK (HELB)

On November 14, 2005, the Nuclear Regulatory Commission (NRC) met with Duke (the licensee) to discuss tornado mitigation and HELB at Oconee. The enclosure is a list of the attendees. The handouts were provided by the licensee during the meeting and are available in the Agencywide Documents Access and Management System (see accession numbers ML053290020 and ML053290025).

During the discussion of tornado mitigation, the NRC staff again raised concern with the licensee's methodology that would not consider tornado wind speeds greater than 200 miles per hour (mph). (The NRC staff had originally raised this concern during the September 27, 2005, meeting, as documented in the October 20, 2005, meeting summary.) The NRC staff stated that it typically accepts plants that are designed to withstand tornados that have a probability of occurrence of about $1.0E-7$ per year. For the Oconee site, this would result in a wind speed of about 280 to 300 mph. The 200 mph wind speed proposed by the licensee results from a tornado with a probability of occurrence of about $1.0E-5$ per year.

The NRC staff stated that it appears that plant modifications will be needed for Oconee to have an acceptable tornado mitigation strategy. The NRC mentioned upgrading the station auxiliary service water system and installing physical barriers to protect the borated water storage tanks as two possible modifications that could be made to address existing vulnerabilities.

During the discussion of HELB, the licensee stated that, during the current refueling outage of Unit 2, it is inspecting electrical penetrations and repairing found deficiencies, and it is inspecting main feedwater piping. The licensee stated that it has also begun design work on the flood-prevention modification for the east penetration room. The licensee committed to submit a letter during the week of November 21, 2005, that would provide a commitment and a schedule for the completion of these activities for all three units.

The licensee committed to discuss with the NRC staff during the week of November 21, 2005, the licensee's plans for modifications for tornado mitigation and HELB. The licensee also committed to submit a letter by January 31, 2006, that would provide commitments and schedules for these modifications.

/RA/

Leonard Olshan, Sr. 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

The licensee committed to discuss with the NRC staff during the week of November 21, 2005, the licensee's plans for modifications for tornado mitigation and HELB. The licensee also committed to submit a letter by January 31, 2006, that would provide commitments and schedules for these modifications.

/RA/

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

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cc w/encl: See next page

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Licensees' Handouts:

Package: ML053290022	Part A: ML053290020 (HELB)
Meeting Notice: ML053010234	Part B: ML053290025 (Tornado Mitigation)
Meeting Summary & Enclosure: ML053290041	

NRR-100

OFFICE	NRR/LPL2-1/PM	NRR/LPL2-1/LA	NRR/LPL2-1/BC
NAME	LOlshan	CHawes for MO'Brien	EMarinos
DATE	1/12/06	12/1/05	1/18/06

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LIST OF ATTENDEES

MEETING TO DISCUSS OCONEE NUCLEAR STATION, UNITS 1, 2, AND 3,
TORNADO MITIGATION AND HIGH ENERGY LINE BREAK

NOVEMBER 14, 2005

NRC

B. Sheron
E. Hackett
E. Marinos
L. Olshan
J. Tatum
L. Trocine
C. Haney
B. Harvey
C. Doult
J. Fair
M. Tschiltz
V. McCree (by phone)
M. Ernstes (by phone)
M. Shannon (by phone)
A. Hutto (by phone)
E. Riggs (by phone)

DUKE

R. Jones
D. Baxter
G. McAninch
T. Brown
J. Robertson
S. Newman
L. Nicholson
G. Davenport
D. Repka (Winston & Strawn)

Enclosure

Oconee Nuclear Station, Units 1, 2, and 3

cc:

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