



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

February 26, 2016

MEMORANDUM TO: Michael T. Markley, Chief
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

FROM: Jeffrey A. Whited, Project Manager *Jeffrey A. Whited*
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

SUBJECT: OCONEE NUCLEAR STATION, UNITS 1, 2, AND 3, DRAFT
REQUEST FOR ADDITIONAL INFORMATION RE: LICENSE
AMENDMENT REQUEST TO ADOPT EMERGENCY ACTION LEVEL
SCHEME BASED ON NEI 99-01 REV. 6 (CAC NOS. MF6454, MF6455
AND MF6456)

The attached draft request for additional information (RAI) was transmitted on February 23, 2016, to Duke Energy Carolinas, LLC (Duke, the licensee). This information was transmitted in order to clarify the licensee's license amendment request (LAR) submitted on June 23, 2015, as supplemented by letter dated February 4, 2016, for Oconee Nuclear Station, Units 1, 2, and 3 (ONS). In the LAR the licensee proposes to revise the ONS EAL scheme to one based upon Revision 6 to Nuclear Energy Institute (NEI) document NEI 99-01, "Development of Emergency Action Levels for Non-Passive Reactors".

The draft RAI was sent to the licensee to ensure that the questions are understandable, the regulatory basis for the questions is clear, and to determine if the information was previously docketed. Duke intends to respond to this RAI by March 25, 2016. This memorandum and the attachment do not convey or represent an NRC staff position regarding the licensee's request.

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

Attachment: Draft RAI

cc w/attachment: Distribution via Listserv

DRAFT

REQUEST FOR ADDITIONAL INFORMATION

LICENSE AMENDMENT REQUEST

EMERGENCY ACTION LEVEL SCHEME CHANGE

OCONEE NUCLEAR STATION, UNITS 1, 2, AND 3

DOCKET NO'S. 50-269, 50-270, AND 50-287

By letter dated June 23, 2015,¹ as supplemented by letter dated February 4, 2016,² Duke Energy Carolinas, Inc., (Duke) submitted a license amendment requested (LAR) for U.S. Nuclear Regulatory Commission (NRC) approval for an emergency action level (EAL) scheme change for the Oconee Nuclear Station, Units 1, 2, and 3 (ONS). Duke proposes to revise the ONS EAL scheme to one based upon Revision 6 to Nuclear Energy Institute (NEI) document NEI 99-01, "Development of Emergency Action Levels for Non-Passive Reactors".³

The request for additional information (RAI) question listed below is needed to support the NRC staff's continued technical review of the proposed EAL scheme change.

RAI-24

Please explain, in greater detail, the response to RAI-05, submitted by letter dated February 4, 2016. In particular, please explain why the values and thresholds developed for EALs RU1, RA1, RS1, and RG1, in accordance with NEI 99-01, Revision 6, are about a factor of 7 different than those developed for your present EAL scheme which used the NUMARC/NESP-007 EAL scheme development guidance. The assumptions for the NUMARC and NEI guidance are essentially the same (except using different dose calculation method(s)), therefore this less conservative value(s) for the EALs presently in place requires more information to allow the NRC staff to better understand not only what is proposed but also why it is so different than what is currently approved, and if the currently approved EALs have been under-conservative since approval.

¹ Agencywide Documents Access and Management System (ADAMS) Accession No. ML15183A060.

² ADAMS Accession No. ML16041A237.

³ ADAMS Accession No. ML12326A805.

February 26, 2016

MEMORANDUM TO: Michael T. Markley, Chief
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

FROM: Jeffrey A. Whited, Project Manager /RA/
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

SUBJECT: OCONEE NUCLEAR STATION, UNITS 1, 2, AND 3, DRAFT
REQUEST FOR ADDITIONAL INFORMATION RE: LICENSE
AMENDMENT REQUEST TO ADOPT EMERGENCY ACTION LEVEL
SCHEME BASED ON NEI 99-01 REV. 6 (CAC NOS. MF6454, MF6455
AND MF6456)

The attached draft request for additional information (RAI) was transmitted on February 23, 2016, to Duke Energy Carolinas, LLC (Duke, the licensee). This information was transmitted in order to clarify the licensee's license amendment request (LAR) submitted on June 23, 2015, as supplemented by letter dated February 4, 2016, for Oconee Nuclear Station, Units 1, 2, and 3 (ONS). In the LAR the licensee proposes to revise the ONS EAL scheme to one based upon Revision 6 to Nuclear Energy Institute (NEI) document NEI 99-01, "Development of Emergency Action Levels for Non-Passive Reactors".

The draft RAI was sent to the licensee to ensure that the questions are understandable, the regulatory basis for the questions is clear, and to determine if the information was previously docketed. Duke intends to respond to this RAI by March 25, 2016. This memorandum and the attachment do not convey or represent an NRC staff position regarding the licensee's request.

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

Attachment: Draft RAI

cc w/attachment: Distribution via Listserv

DISTRIBUTION

PUBLIC

RidsNrrDorIDpr Resource
RidsNrrDorLpl2-1 Resource
D. Johnson, NSIR/DDEP

LPL2-1 R/F
RidsNrrPMOconee Resource
RidsNsirDprDdep Resource

ACCESSION NO.: ML16056A583

OFFICE	LPL2-1/PM
NAME	JWhited
DATE	02/26/2016

OFFICIAL RECORD COPY