



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

December 7, 2011

Mr. Adam C. Heflin
Senior Vice President and
Chief Nuclear Officer
Union Electric Company
P.O. Box 620
Fulton, MO 65251

SUBJECT: CALLAWAY PLANT, UNIT 1 – REQUEST FOR ADDITIONAL INFORMATION
REGARDING 60-DAY RESPONSE TO BULLETIN 2011-01, “MITIGATING
STRATEGIES” (TAC NO. ME6411)

Dear Mr. Heflin:

On May 11, 2011, the U.S. Nuclear Regulatory Commission (NRC) issued Bulletin 2011-01, “Mitigating Strategies” (Agencywide Documents Access and Management System (ADAMS) Accession No. ML111250360), to all holders of operating licenses for nuclear power reactors, except those that have permanently ceased operation and have certified that fuel has been removed from the reactor vessel. The purpose of the bulletin was to obtain a comprehensive verification that licensees’ mitigating strategies, to maintain or restore core cooling, spent fuel cooling, and containment following large explosions or fires, were in compliance with the requirements of Title 10 of the *Code of Federal Regulations* (10 CFR) Section 50.54(hh)(2). The bulletin requested information on licensees’ 10 CFR 50.54(hh)(2) mitigating strategies in light of the recent events at Japan’s Fukushima Daiichi facility to determine if (1) additional efforts are needed to ensure compliance with current requirements, (2) whether enhancement to the existing regulations and guidance are necessary, and/or assessment of program implementation is needed, (2) the current inspection program should be enhanced, or (3) to determine if further regulatory action is warranted.

The bulletin required two sets of responses pursuant to the provisions of 10 CFR 50.54(f). The first responses were due 30 days after issuance of the bulletin. By letter dated June 10, 2011 (ADAMS Accession No. ML111640447), Union Electric Company (the licensee), provided a response to the first set of questions for Callaway Plant, Unit 1. The second responses were due 60 days after issuance of the bulletin. By letter dated July 11, 2011 (ADAMS Accession No. ML111930161), the licensee responded to this second set of questions.

The NRC staff has reviewed the information provided in your letters dated June 10 and July 11, 2011, and determined that additional information is needed for the NRC staff to complete its review of your 60-day response to the bulletin. Please respond to the enclosed request for additional information within 30 days of the date of this letter.

A. Heflin

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If you have any questions regarding this letter, please contact me at (301) 415-1476 or via e-mail at mohan.thadani@nrc.gov.

Sincerely,

A handwritten signature in black ink that reads "Mohan C. Thadani". The signature is written in a cursive, flowing style.

Mohan C. Thadani, Senior Project Manager
Plant Licensing Branch IV
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-483

Enclosure:
As stated

cc w/encl: See next page

REQUEST FOR ADDITIONAL INFORMATION

60-DAY RESPONSE TO NRC BULLETIN 2011-01, "MITIGATING STRATEGIES"

UNION ELECTRIC COMPANY

CALLAWAY PLANT, UNIT 1

DOCKET NO. 50-483

On May 11, 2011, the U.S. Nuclear Regulatory Commission (NRC) issued Bulletin 2011-01, "Mitigating Strategies" (Agencywide Documents Access and Management System (ADAMS) Accession No. ML111250360), to all holders of operating licenses for nuclear power reactors, except those that have permanently ceased operation and have certified that fuel has been removed from the reactor vessel. The purpose of the bulletin was to obtain a comprehensive verification that licensees' mitigating strategies, to maintain or restore core cooling, spent fuel cooling, and containment following large explosions or fires, were in compliance with the requirements of Title 10 of the *Code of Federal Regulations* (10 CFR) Section 50.54(hh)(2).

The bulletin required two sets of responses pursuant to the provisions of 10 CFR 50.54(f). The first responses were due 30 days after issuance of the bulletin. By letter dated June 10, 2011 (ADAMS Accession No. ML111640447), Union Electric Company (the licensee), provided a response to the first set of questions for Callaway Plant, Unit 1. The second responses were due 60 days after issuance of the bulletin. By letter dated July 11, 2011 (ADAMS Accession No. ML111930161), the licensee responded to this second set of questions.

The NRC staff has reviewed the information provided in your letters dated June 10 and July 11, 2011, and determined that additional information is needed for the NRC staff to complete its review of your 60-day response to the bulletin.

1. Please describe in detail how you ensure there is sufficient fuel for the pumping source when needed.

The bulletin requested that each licensee describe in detail the maintenance of equipment supporting the mitigating strategies to ensure that it will be functional when needed.

Enclosure

A. Heflin

- 2 -

If you have any questions regarding this letter, please contact me at (301) 415-1476 or via e-mail at mohan.thadani@nrc.gov.

Sincerely,

/ra/

Mohan C. Thadani, Senior Project Manager
Plant Licensing Branch IV
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-483

Enclosure:
As stated

cc w/encl: See next page

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ADAMS Accession No.: ML113390281

OFFICE	NRR/DORL/LPL4/PM	NRR/DORL/LPL4/LA	NRR/DPR/PGCB/PM
NAME	MThadani	JBurkhardt	BPurnell
DATE	12/6/11	12/6/11	12/6/11
OFFICE	NRR/DPR/PGCB/BC	NRR/DORL/LPL4/BC	NRR/DORL/LPL4/PM
NAME	SRosenberg	MMarkley (JRHall for)	MThadani
DATE	12/6/11	12/7/11	12/7/11

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