



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

February 7, 2011

LICENSEE: Omaha Public Power District
FACILITY: Fort Calhoun Station, Unit 1
SUBJECT: SUMMARY OF PRE-LICENSING MEETING HELD ON JANUARY 13, 2011,
WITH OMAHA PUBLIC POWER DISTRICT TO DISCUSS REQUEST FOR
EXTENDED POWER UPRATE FOR FORT CALHOUN STATION, UNIT NO. 1
(TAC NO. ME5104)

On January 13, 2011, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of Omaha Public Power District (OPPD, the licensee) at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of the pre-licensing meeting was to discuss OPPD's updated plans to submit an Extended Power Uprate (EPU) application for the Fort Calhoun Station, Unit No. 1. Specifically, the licensee discussed its overall schedule and issues pertaining to spent fuel pool criticality and instrumentation and control setpoints. A list of attendees is enclosed.

The licensee's presentation slides are available in the Agencywide Documents Access and Management System (ADAMS) under ADAMS Accession No. ML110140221. The licensee discussed the project overview and schedule which includes plans to submit the EPU application to the NRC on March 31, 2011. The NRC staff then questioned if the licensee was aware of issues that have arisen during its review of other plants' EPU reviews. These issues included steam generator tube rupture, high-energy line break, containment accident pressure, boron precipitation, and properly addressing Title 10 of the *Code of Federal Regulations*, Part 50, Appendix G, "Fracture Toughness Requirements." The licensee stated that it was aware of some of the issues and noted the issues of which it was not aware.

The licensee presented information on its spent fuel pool criticality analysis. The NRC staff raised a number of concerns in the areas of soluble boron concentration, control rod operation, axial burnup, surveillance test program, fuel inspection methods, and boron dilution. The NRC staff also asked the licensee to clarify its use of the CASMO-3 and KENO-V.a computer codes. The licensee noted the NRC staff's concerns and plans to address them in its submittal.

The licensee asked the NRC staff if, of the information presented, there was any potential for non-acceptance. The NRC staff stated that issues may lie in integral on fixed absorbers and burnup profiles. The NRC staff also stated that there may be an extensive request for additional information regarding the licensee's proposed use of CASMO-3 and KENO-V.a.

The licensee presented information on its proposed methodology and approach for submitting a license amendment request patterned after the model application for Technical Specification Task Force (TSTF) Change Traveler TSTF-493, Revision 4, "Clarify Application of Setpoint Methodology for LSSS [Limiting Safety System Setpoint] Functions." No major issues were

noted. The licensee stated that it plans to submit a separate license amendment request for TSTF-493 after implementation of its EPU, projected for fall 2012.

The meeting notice and agenda are available under ADAMS Accession No. ML103560548. The public was invited to observe the meeting and was given an opportunity to communicate with the NRC after the business portion, but before the meeting was adjourned. The meeting was attended by three members of the public. The individuals did not ask any questions or make any oral statements during the time allocated for public participation. One Public Meeting Feedback form was received.

Please direct any inquiries to me at 301-415-1377 or Lynnea.Wilkins@nrc.gov.

for 

Lynnea Wilkins, Project Manager
Plant Licensing Branch IV
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-285

Enclosure:
List of Attendees

cc w/encl: Distribution via Listserv

LIST OF ATTENDEES

U.S. NUCLEAR REGULATORY COMMISSION

JANUARY 13, 2011, PRE-LICENSING MEETING WITH

OMAHA PUBLIC POWER DISTRICT REGARDING EXTENDED

POWER UPRATE FOR FORT CALHOUN STATION, UNIT NO. 1

DOCKET NO. 50-285

Name	Organization
Lynnea Wilkins	NRC/NRR/DORL/LPL4
Bill Hansher	OPPD
Bob Dulee	OPPD
Steve Callis	OPPD
Carmen Ovici	OPPD
John Adams	OPPD
Jeremy Dean	AREVA
Bob Schomaker	AREVA
Linda Farrell	AREVA
Edward Quinn	Technology Resources for OPPD
Michael Markley	NRC/NRR/DORL/LPL4
John Huang	NRC/NRR/DCI/CPTB
Aloysius Obodoako	NRC/NRR/DCI/CSGB
Jason Dykert	NRC/NRR/DCI/CSGB
Kristy Bucholtz	NRC/NRR/DIRS/ITSB
Ravi Grover	NRC/NRR/DIRS/ITSB
Carl Schulten	NRC/NRR/DIRS/ITSB
Andrew Proffitt	NRC/NRR/DSS/SNPB
Mathew Panicker	NRC/NRR/DSS/SNPB
Davida Cunanan	NRC/NRR/DSS/SRXB
Kent Wood	NRC/NRR/DSS/SRXB
Tim Mossman	NRC/NRR/DE/EICB
David Rahn	NRC/NRR/DE/EICB
Rich Bulavinetz	NRC/NRR/DLR/RERB
Jim Melfi	NRC/RIV/DRP/RPB-E (via telephone)
Glenn Adams	Xcel Energy (via telephone)
Michael Jesse	Exelon Nuclear
Ken Wilson	Florida Power Corporation / Crystal River Unit 3

Enclosure

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/RA by N. Kalyanam for/

Lynnea Wilkins, Project Manager
Plant Licensing Branch IV
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

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RidsNrrDssSnpb Resource	KBucholtz, NRR/DIRS/ITSB	VDricks, OPA RIV

ADAMS Accession Nos. Meeting Notice ML103560548, Meeting Summary ML110260006, Handouts ML110140221

OFFICE	DORL/LPL4/PM	DORL/LPL4/LA	DORL/LPL4/BC	DORL/LPL4/PM
NAME	LWilkins	JBurkhardt	MMarkley	LWilkins (NKalyanam for)
DATE	1/28/11	1/26/11	2/4/11	2/7/11

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