

September 29, 2015

MEMORANDUM TO: Lawrence J. Burkhart, Chief
Licensing Branch 4 (LB4)
Division of New Reactor Licensing
Office of New Reactors

FROM: Jordan Hoellman, Project Manager */RA/*
Licensing Branch 4 (LB4)
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: SUMMARY OF A PUBLIC TELECONFERENCE ON SEPTEMBER 10,
2015, WITH MEMBERS OF THE AP1000 DESIGN CENTER TO
DISCUSS AP1000 LICENSING AND TECHNICAL ISSUES

The U.S. Nuclear Regulatory Commission (NRC) staff held a Category 2 public teleconference with Duke Energy Florida (DEF) and members of the AP1000 design center on September 10, 2015. The purpose of the meeting was to discuss AP1000 combined license (COL) issues associated with the safety review for the Levy Nuclear Plant (LNP) Units 1 and 2 COL application.

The meeting notice can be found in the Agencywide Documents Access and Management System (ADAMS) under Accession Number ML15126A124. The meeting notice is also posted on the NRC's public website. Enclosures 1 and 2 are the meeting agenda and attendance list for the meeting, respectively.

- Levy Nuclear Plant, Units 1 and 2 Response to Request for Additional Information (RAI) Letter No. 127 Related to Standard Review Plan (SRP) Section 7.3, Engineered Safety System Features

– ML15201A542

CONTACT: Jordan Hoellman, NRO/DNRL
(301) 415-5481

Summary of Meeting:

On September 10, 2015, the NRC staff conducted a public teleconference with representatives from DEF and members of the AP1000 design center to discuss issues to support the safety review for the LNP Units 1 and 2 COL application. Specifically, the meeting discussed a revision to the Westinghouse Electric Company (WEC) and DEF approach for main control room (MCR) heat load analysis.

WEC and DEF (the applicant) discussed the revised MCR heat load analysis approach with a 90°F wet-bulb globe temperature (WBGT) and unlimited stay times. The new approach uses the guidance in NUREG-0700, Revision 2, "Human-System Interface Design Review Guidelines," rather than the Military Standard cited in the AP1000 design control document, to determine MCR stay times for different WBGTs. The applicant noted that the analysis will stay the same but the MCR temperature acceptance criteria value is changing from 115°F to 110°F for 72 hours following a design basis accident. The staff noted that they understood the applicant's new approach and asked clarifying questions regarding the use of NUREG-0700 and the corresponding WBGTs and stay times, and the sensitivity of the analysis with respect to the assumed ambient site temperatures post-accident. The applicant stated that NUREG-0700 provides more recent guidance than the previously cited Military Standard and noted that they are currently conducting a sensitivity study to demonstrate margin in the analysis.

The applicant plans to make a subsequent submittal documenting the revised approach and the sensitivity study.

Members of the public were not present on the teleconference line.

Docket Nos.: 52-018, 52-019, 52-040, 52-041,
52-029, 52-030

Enclosures:

As stated

cc w/encls: See next page

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On September 10, 2015, the NRC staff conducted a public teleconference with representatives from DEF and members of the AP1000 design center to discuss issues to support the safety review for the LNP Units 1 and 2 COL application. Specifically, the meeting discussed a revision to the Westinghouse Electric Company (WEC) and DEF approach for main control room (MCR) heat load analysis.

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52-029, 52-030

Enclosures:
As stated

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NAME	JHoellman (c)	BHughes (c)	RButler	JHoellman (s)
DATE	09/28/15	09/29/15	9/22/15	09/29/15

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AGENDA FOR PUBLIC MEETING

U.S. NUCLEAR REGULATORY COMMISSION (NRC)

Thursday, September 10, 2015

2:00 p.m. – 3:30 p.m.

PURPOSE: To discuss AP1000 combined license (COL) issues associated with the safety review for Duke Energy Florida's (DEF) Levy Nuclear Plant (LNP), Units 1 and 2 COL application.

OPEN

<u>Time</u>	<u>Topic</u>	<u>Led By</u>
2:00 p.m.	Opening Remarks	NRC
2:05 p.m.	Presentation on Main Control Room Heat-up Revised Approach	DEF/Westinghouse Electric Company (WEC)
2:30 p.m.	Discussion of DEF/WEC Updated Approach	NRC/DEF/WEC
3:20 p.m.	Opportunity for Public Comment	Public
3:30 p.m.	Meeting Adjourns	

**PUBLIC MEETING
 UNITED STATES NUCLEAR REGULATORY COMMISSION
 Public Meeting Teleconference with AP1000 Design Center
 Thursday, September 10, 2015
 2:00 p.m. – 3:30 p.m.**

List of Attendees

Purpose: To discuss AP1000 combined license review issues

Name	Organization
Representing the Nuclear Regulatory Commission	
Brian Hughes	NRO/DNRL/LB4
Jordan Hoellman	NRO/DNRL/LB4
John Segala	NRO/DSRA/SCVB
Boyce Travis	NRO/DSRA/SCVB
Lauren Kent	NRO/DCIP/COLB
Clint Ashley	NRO/DSRA/SCVB
Nan Chien	NRO/DSRA/SCVB
Tom Galletta	NRO/DNRL/LB4
Representing Industry	
John Thrasher	Duke Energy
Jim Thornton	Duke Energy
Kelvin Montague	Duke Energy
Wayne Cutright	Duke Energy
Ken Pigg	Duke Energy
Erik Wagner	Duke Energy
Ray Mans	Westinghouse Electric Company
Jim Hennen	Westinghouse Electric Company
Andy Pfister	Westinghouse Electric Company
Jen Meneely	Westinghouse Electric Company

COL - Duke Energy - Lee Mailing List

(Revised 08/24/2015)

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Revised (08/24/2015)

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(Revised 08/24/2015)

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