

April 7, 2015

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

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

SUBJECT: SUMMARY OF A PUBLIC TELECONFERENCE ON MARCH 26, 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 March 26, 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 ML15051A476. 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. The other documents referenced during the discussion can be found at the ADAMS Accession Numbers given below:

- 1) Westinghouse Presentation, "AP1000 Incontainment Refueling Water Storage Tank (IRWST) Condensate Return Status" — ML15082A072
- 2) Updated version of Presentation, "AP1000 IRWST Condensate Return Status" — ML15089A101

CONTACT: Don Habib, NRO/DNRL  
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Summary of Meeting:

On March 26, 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 an update to the Westinghouse Electric Company (WEC) and DEF approach and schedule related to the IRWST condensate return calculations.

WEC and DEF presented their updated analysis approach regarding the status of the following three condensate return calculations: design basis accident (DBA) extension, the time to safe shutdown, and the safe shutdown duration. The applicant noted that the new approach has major benefits, including reduction in exchanges between calculations and utilization of methodologies that have been reviewed and approved by the NRC staff, and that the new approach does not sacrifice quality or margin.

The applicant stated that both the DBA extension calculation and the time to safe shutdown calculation should be available for NRC review by the end of April 2015 and that the preliminary calculations show results within the acceptance criteria, including a time to safe shutdown of 420°F in less than 36 hours. The safe shutdown duration calculation is still in progress and the applicant noted that the analysis would be submitted for NRC review by the end of June 2015. In order to finalize the analysis process, additional codes are being run to confirm and verify the use of LOFTRAN for the safe shutdown duration analysis. The NRC staff asked if the DBA extension and time to safe shutdown calculations would be affected if confirmatory analyses determine that LOFTRAN is not the appropriate code to use for the safe shutdown duration analysis. WEC and DEF stated that they are confident in the results LOFTRAN produces for the DBA extension and time to safe shutdown calculations, and the safe shutdown duration analysis will have no effect on those calculations.

DEF plans to complete the DBA extension and time to safe shutdown calculations and submit the associated licensing change package by the end of April 2015. The safe shutdown duration analysis is expected to be completed in June 2015 and the submittal is not expected to contain changes to the licensing change package.

At the end of the meeting, there was an opportunity for the public to provide comments and ask questions. No member of the public provided a comment or question.

Docket Nos.: 052-018            052-040  
                  052-019            052-041  
                  052-029  
                  052-030

Enclosures:  
As stated

cc w/encls: See next page

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Enclosures:  
 As stated

cc w/encls: See next page

ADAMS Accession No.: ML15092A287

NRC-001

OFFICE	PM:DNRL/LB4	LA:DNRL/LB4	BC:DNRL/LB4	PM:DNRL/LB4
NAME	DHabib (c)	RButler	LBurkhart-cpp for:	DHabib (s)
DATE	4/3/15	4/3/15	4/7/15	4/7/15

**OFFICIAL RECORD COPY**

**AGENDA FOR PUBLIC MEETING**

**U.S. NUCLEAR REGULATORY COMMISSION (NRC)**

**Thursday, March 26, 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
2:10 p.m.	Presentation on the status of AP1000 Condensate Return	DEF/Westinghouse Electric Company (WEC)
2:45 p.m.	Discussion of DEF/WEC updated approach and schedule	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, March 26, 2015**  
**2:00 p.m. – 3:30 p.m.**

**List of Attendees**

Purpose: To discuss AP1000 combined license review issues

Name	Organization
<b>Representing the Nuclear Regulatory Commission</b>	
Don Habib	NRO/DNRL/LB4
Larry Burkhart	NRO/DNRL/LB4
Chandu Patel	NRO/DNRL/LB4
Denise McGovern	NRO/DNRL/LB4
Jordan Hoellman	NRO/DNRL/LB4
Devendra Pimpale	NRO/DNRL/LB4
Brian Hughes	NRO/DNRL/LB1
John McKirgan	NRO/DSRA/SRSB
Chris VanWert	NRO/DSRA/SRSB
Boyce Travis	NRO/DSRA/SCVB
<b>Representing Industry</b>	
Bob Kitchen	Duke Energy
Dave Waters	Duke Energy
Alan Redpath	Duke Energy
Bob Gamberg	Duke Energy
Erik Wagner	Duke Energy
Mari Jaworsky	Duke Energy
Tony Jackson	Duke Energy
Andrea Cross-Dial	Duke Energy
Rich DeLong	Westinghouse Electric Company
Andy Pfister	Westinghouse Electric Company
Jason Eisenhauer	Westinghouse Electric Company
Jen Meneely	Westinghouse Electric Company
Mark Wilson	Southern Company
Wes Sparkman	Southern Company
Brad Chamberlain	Southern Company

Steve Franzone	Florida Power and Light
Rich Orthen	Florida Power and Light
<b>Representing Public</b>	
Jana Bergman	Curtiss-Wright Corporation

COL - Duke Energy - Lee Mailing List

(Revised 09/04/2014)

cc:

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COL - Duke Energy - Levy County Mailing List

Revised 01/12/2015

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(Revised 03/12/2015)

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