

October 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 17,
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 17, 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 ML15126A125. 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 Number given below:

- NRC staff questions and discussion topics
related to condensate return long term operation — ML15239A655

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

Summary of Meeting:

On September 17, 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 preliminary findings related to the safe shutdown analysis of condensate return passive residual heat removal (PRHR) long term closed loop cooling capability.

Westinghouse Electric Company (WEC) and DEF discussed the condensate return PRHR long term operation analysis using LOFTRAN and RELAP to achieve safe shutdown duration. WEC explained that in preparation for a meeting with the Advisory Committee on Reactor Safeguards (ACRS) AP1000 subcommittee originally scheduled for September 23, 2015, about the condensate return design, sensitivity studies conducted using RELAP indicated that a safe shutdown temperature of 420°F would not be maintained beyond two to four days. WEC and DEF noted that these results affect only the long term operation of the PRHR, a non-safety design basis feature of AP1000. WEC is continuing to validate the results using their RELAP model and determine if changes to the LNP Units 1 and 2 COL application final safety analysis report will be required. The staff asked if WEC and DEF could provide a schedule for when the studies would be complete and supporting calculations would be developed. DEF stated that if WEC provides the analysis results to DEF in October 2015, they expect to make a submittal for NRC review in November 2015.

At the end of the meeting, there was an opportunity for the public to provide comments and ask questions. All comments and questions were addressed before ending the meeting.

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

Enclosures:
As stated

cc w/encls: See next page

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NRC-001

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NAME	JHoellman (c)	DHabib	RButler	JHoellman (s)
DATE	10/29/15	10/29/15	10/28/15	10/29/15

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AGENDA FOR PUBLIC MEETING

U.S. NUCLEAR REGULATORY COMMISSION (NRC)

Thursday, September 17, 2015

2:00 p.m. – 3:00 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.	Discussion on the status of recent preliminary findings of DEF and WEC on AP1000 Condensate Return Analysis for Safe Shutdown Temperature	NRC/DEF/WEC
2:45 p.m.	Discussion of DEF and WEC updated approach and schedule	NRC/DEF/WEC
2:55 p.m.	Opportunity for Public Comment	PUBLIC
3:00 p.m.	Meeting Adjourns	

Enclosure 1

**PUBLIC MEETING
 UNITED STATES NUCLEAR REGULATORY COMMISSION
 PUBLIC MEETING TELECONFERENCE WITH AP1000 DESIGN CENTER
 Thursday, September 17, 2015
 2:00 p.m. – 3:00 p.m.**

List of Attendees

Purpose: To discuss AP1000 combined license review issues

Name	Organization
Representing the Nuclear Regulatory Commission	
Don Habib	NRO/DNRL/LB4
Jordan Hoellman	NRO/DNRL/LB4
Brian Hughes	NRO/DNRL/LB4
John Segala	NRO/DSRA/SCVB
John McKirgan	NRO/DSRA/SRSB
Boyce Travis	NRO/DSRA/SCVB
Tim Drzewiecki	NRO/DSRA/SRSB
Stephen Bajorek	RES/DSA
William Krotiuk	RES/DSA/RSAB
Peter Hearn	NRO/DNRL/LB4
Representing Industry	
Bob Kitchen	Duke Energy
Bob Gamberg	Duke Energy
Erik Wagner	Duke Energy
Andy Pfister	Westinghouse Electric Company
Jen Meneely	Westinghouse Electric Company
Tom Childress	Florida Power and Light
Steve Franzone	Florida Power and Light
Kelli Roberts	Southern Nuclear Company
Brad Chamberlain	Southern Nuclear Company
Representing Public	
Ruth Thomas	Environmentalists, Inc
Marvin Lewis	N/A

COL - Duke Energy - Lee Mailing List

(Revised 09/22/2015)

cc:

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COL - Duke Energy - Levy County Mailing List

Revised (08/24/2015)

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(Revised 08/24/2015)

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