

June 26, 2015

MEMORANDUM TO: Paul Kallan, Acting 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 MEETING ON JUNE 11, 2015, WITH
MEMBERS OF THE AP1000 DESIGN CENTER TO DISCUSS THE
LEVY COMBINED LICENSE APPLICATION DEPARTURE
ADDRESSING CONTROL ROOM HABITABILITY

The U.S. Nuclear Regulatory Commission (NRC) staff held a Category 2 public meeting on June 11, 2015, at 2:00 p.m. with members of the AP1000 design center. The purpose of the meeting was to discuss AP1000 combined license (COL) issues, focusing on the Levy COL departure requests addressing habitability of the main control room (MCR). The departures are described in submittals from Duke Energy Florida (DEF) dated March 26, and June 5, 2015, that responded to requests for additional information (RAIs) from the NRC staff.¹ The list of attendees is enclosed. The meeting notice is available in the Agencywide Documents Access and Management System (ADAMS).² The meeting notice is also posted on the NRC public website.³

The meeting included an open session during which the staff asked questions related to the DEF submittals.⁴

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¹ ADAMS Accession No. ML15089A193 and ML15161A039

² ADAMS Accession No. ML15125A283

³ <http://meetings.nrc.gov/pmns/mtg?do=details&Code=20150713>

⁴ ADAMS Accession Nos. ML15161A006 and ML15162A524

As a result of the discussions, the following actions were identified:

MCR Heatup

1. DEF will provide voluntary submittals to address the following items:
 - a. What are scenarios that would allow actuation of the emergency ventilation system with continued plant operation?
 - b. What requires unit to shut down due to a release at another onsite unit?
 - c. Provide list of loads included in first and second load shed.
2. DEF will provide an estimate on when this information will be provided.
3. NRC will consider formulating an RAI on questions dealing with assumptions of fin obstructions and fin cleanliness and assumptions/justification of how they would affect heat transfer.
4. DEF/Westinghouse Electric Company (Westinghouse) to identify and confirm the availability of analysis related to heat transfer for fins/obstructions/cleanliness/ceiling.

MCR Dose

1. DEF/Westinghouse to revise March 26, 2015, MCR dose submittal to more clearly represent how core reference report and advanced first core (AFC) are considered in analysis (e.g., Levy COL application assumes and AP1000, Revision19, core, but in MCR dose analysis assumes a conservative radio-peaking factor bumped to AFC value).

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

Enclosure:
Meeting Attendees List

As a result of the discussions, the following actions were identified:

MCR Heatup

5. DEF will provide voluntary submittals to address the following items:
 - a. What are scenarios that would allow actuation of the emergency ventilation system with continued plant operation?
 - b. What requires unit to shut down due to a release at another onsite unit?
 - c. Provide list of loads included in first and second load shed.
6. DEF will provide an estimate on when this information will be provided.
7. NRC will consider formulating an RAI on questions dealing with assumptions of fin obstructions and fin cleanliness and assumptions/justification of how they would affect heat transfer.
8. DEF/Westinghouse Electric Company (Westinghouse) to identify and confirm the availability of analysis related to heat transfer for fins/obstructions/cleanliness/ceiling.

MCR Dose

2. DEF/Westinghouse to revise March 26, 2015, MCR dose submittal to more clearly represent how core reference report and advanced first core (AFC) are considered in analysis (e.g., Levy COL application assumes and AP1000, Revision19, core, but in MCR dose analysis assumes a conservative radio-peaking factor bumped to AFC value).

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

Enclosure:
Meeting Attendees List

DISTRIBUTION:

PUBLIC	DHabib	LBurkhart	MDelligatti	JHoellman
RidsOgcMailCenter	TGalletta	BBavol	RReyes	MComar
NRO_DNRL_LB4	DMcGovern	PKallan	CVanWert	JMcKirgan
KRoach	PPieringer	JO'Driscoll	FAkstulewicz	JMonninger
MCheok	MJunge	JSegala	DChien	BHughes

ADAMS Accession No.: ML15169A199

NRC-001

OFFICE	PM: DNRL/LB4	LA: DNRL/LB4	BC: DNRL/LB4	PM: DNRL/LB4
NAME	DHabib (c)	RButler	PKallan	DHabib (s)
DATE	6/25/15	6/24/15	6/25/15	6/26/15

OFFICIAL RECORD COPY

**PUBLIC MEETING
 UNITED STATES NUCLEAR REGULATORY COMMISSION
 Public Teleconference with AP1000 Design Center
 Thursday, June 11, 2015
 2:00 p.m. – 4:00 p.m.**

List of Attendees

Purpose: To discuss AP1000 combined license review issues

* Participated via teleconference

Name	Organization	Name	Organization
Representing NRC		Representing Industry	
Don Habib	NRO/DNRL/LB4	Jim Thornton	Duke Energy Florida
Devendra Pimpale		Kelvin Montague	
Paul Pieringer	NRO/DCIP/COLB	John Thrasher	
Mike Junge		Larry Taylor	
John McKirgan	NRO/DSRA/SRSB	Ken Pigg	
Chris VanWert		Andrea Cross-Dial	
Jim O'Driscoll	NRO/DSRA	Bob Kitchen	
John Monninger		Tom Johnson	
John Segala	NRO/DSRA/SCVB	Sean Kinnas	Westinghouse
Danny Chien		Jimmy Hennen	
Hien Le	NRO/DSRA/SBPB	Jen Meneely	
		Aaron Wilmot	
		Jon Durfee	
		Andy Pfister	
		Korey Hosack	
		Don Williamson	SCANA Corporation
		Ray Burski (FPL)	Florida Power and Light

Enclosure

COL - Duke Energy - Lee Mailing List

(Revised 06/15/2015)

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Revised (04/27/2015)

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(Revised 04/27/2015)

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