

November 7, 2014

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 OCTOBER 16,
2014, 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 on October 16, 2014, 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. The list of attendees is enclosed. The meeting notice is available in the Agencywide Documents Access and Management System (ADAMS).¹ The meeting notice is also posted on the NRC public website.²

The meeting addressed an October 15, 2014, emailed draft presentation from Duke Energy Florida (DEF), the applicant for the Levy Nuclear Plant (LNP) Units 1 and 2 COL, related to a proposed revised approach to assure adequate radiation protection to the main control room (MCR) operators after the direct dose from the MCR emergency ventilation (VES) filter is accounted for in the dose calculations.³ DEF's revised approach will be used instead of their preliminary strategy for addressing the issue discussed at a public teleconference on August 28, 2014 because DEF determined that using site specific parameters is not adequate to resolve the issue.⁴ The revised approach will be used to respond to the staff's Request for Additional Information (RAI) 7661, Questions 06.04-2, issued on September 24, 2014.⁵ DEF's revised approach described a departure from the AP1000 Design Control Document (DCD), Revision 19, incorporating VES filter dose and the use of shielding, updating the direct radiation and skyshine dose contribution, and revising VES actuation signals, setpoints, and delays. The staff asked if this approach is specific to the LNP COL application. The applicant confirmed that Westinghouse Electric Company (WEC) is applying this departure throughout the AP1000 fleet.

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¹ ADAMS Accession No. ML14265A147

² <http://meetings.nrc.gov/pmns/mtg?do=details&Code=20141682>

³ ADAMS Accession No. ML14288A315

⁴ ADAMS Accession No. ML14252A225

⁵ ADAMS Accession No. ML14259A106

DEF's proposed approach to respond to the RAI involves explaining that the loss-of-coolant accident (LOCA) and main steam line break (MSLB) accident scenarios bound all other design basis accident (DBA) release scenarios. Calculations and dose values for the LOCA and MSLB accident scenarios will be provided or made available to the staff in December 2014, and the DEF submittal will also describe how these two accident scenarios provide an upper bound for the doses associated with all other DBA release scenarios. The staff asked when the calculations would be available for the remaining DBA release scenarios. DEF proposed submitting supplemental information for those calculations after the COL is issued. The staff noted that they understood the proposed approach and would need to further consider it before determining whether the approach was acceptable because the approach does not intend to provide complete MCR dose analyses for all DBA release scenarios. The staff stated that it would follow up with DEF at a future public teleconference with any questions or feedback related to the acceptability of DEF's proposed approach. DEF expects to submit the RAI response in December 2014, (1) providing dose values and calculation information for the LOCA and MSLB accidents, (2) explaining how these two accidents bound all other DBAs, (3) identifying that the doses for all DBAs is less than that required by regulation, and (4) providing appropriate license changes to support the departures.

Ruth Thomas of Environmentalists, Inc. asked if this issue affects both applicants and licensees of the AP1000 design. The staff confirmed that this issue is generic to the AP1000 DCD, Revision 19 and needs to be addressed by all applicants and licensees, noting that they all do not have to adopt the same solution.

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

Enclosure:
Meeting Attendees List

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

Enclosure:
Meeting Attendees List

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NRO_DNRL_LB4	RJoshi	DMcGovern	DJaffe	RLavera
MHart	MMcCoppin			

ADAMS Accession No.: ML14302A351

NRC-001

OFFICE	PM: DNRL/LB4	LA: DNRL/LB4	PM: DNRL/LB4	PM: DNRL/LB4
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DATE	11/06/14	11/05/14	11/07/14	11/07/14

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PUBLIC MEETING
UNITED STATES NUCLEAR REGULATORY COMMISSION
Public Meeting Teleconference with AP1000 Design Center
Thursday, October 16, 2014
2:00 p.m. – 4:00 p.m.

List of Attendees

Purpose: To discuss AP1000 combined license review issues

Name	Organization
Representing the U.S. Nuclear Regulatory Commission	
Don Habib	NRO/DNRL/LB4
Jordan Hoellman	NRO/DNRL/LB4
Denise McGovern	NRO/DNRL/LB4
Thomas Galletta	NRO/DNRL/LB4
Michelle Hart	NRO/DSEA/RPAC
Michael McCoppin	NRO/DSEA/RPAC
Ron Lavera	NRO/DSEA/RPAC
Representing Industry	
Robert Kitchen	Duke Energy Florida
Bob Gamberg	Duke Energy Florida
Jim Thornton	Duke Energy Florida
Kelvin Montague	Duke Energy Florida
John Thrasher	Duke Energy Florida
Erik Wagner	Duke Energy Florida
Steve Franzone	Florida Power and Light
Rick Orthen	Florida Power and Light
Kent Bonadio	Westinghouse Electric Company
Andrew Pfister	Westinghouse Electric Company
Sylena Smith	Westinghouse Electric Company
Sean Kinnas	Westinghouse Electric Company
Lee Stern	Westinghouse Electric Company
Representing Public	
Ruth Thomas	Environmentalists, Inc.

Enclosure

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(Revised 09/04/2014)

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(Revised 09/26/2014)

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