



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

June 2, 2016

LICENSEE: NEXTERA ENERGY DUANE ARNOLD, LLC  
FACILITY: DUANE ARNOLD ENERGY CENTER  
SUBJECT: SUMMARY OF MAY 3, 2016, TELECONFERENCE WITH NEXTERA ENERGY  
DUANE ARNOLD, LLC, FOR DUANE ARNOLD (CAC NO. TM3053)

On May 3, 2016, a Category 2 public teleconference was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of NextEra Energy Duane Arnold, LLC. The purpose of the meeting was to discuss the development of confirmatory success criteria analyses involving the Duane Arnold Energy Center. The meeting notice and agenda, dated April 19, 2016, are available in the Agencywide Documents Access and Management System (ADAMS) at Accession No. ML16117A562. A list of attendees is provided as Enclosure 1.

During the teleconference, NRC staff presented on the background of the confirmatory success criteria analysis project, plans for the project scope and MELCOR model development, and plant and scenario selection. NRC staff then presented on the four broad topics being investigated, in terms of the motivation to study the topic, the modeling assumptions of interest, and the probabilistic risk assessment sequences that may be used to frame the investigations. The staff's presentation can be found at ADAMS Accession No. ML16117A198.

During the presentation, participants posed a number of questions and comments. The exchanges are summarized as follows:

- Recognition of the general similarities and differences between the NRC's MELCOR computer code and the Modular Accident Analysis Program used by many licensees;
- Discussion of the vintage of external hazards models in the NRC's Standardized Plant Analysis Risk models;
- Discussion of what work has been completed (largely planning) and what work is ahead;
- Confirmation that this project is not focused on how FLEX Support Guidelines should be used in risk-informed activities, but rather focused solely on scoping success criteria and sequence timing issues that may be informative for future NRC risk modeling;
- Suggestion that the B.5.b portable pump be considered as one of the available alternate low-pressure injection sources;
- Clarification of what type of analysis and information might be used to study room heatup (being a mix of trends predicted by MELCOR in conjunction with off-the-shelf results from other tools);

- Discussion of potential sensitivity studies associated with the duration of battery power;
- Mentioning of the timing of the next planned refueling outage at the site, as a consideration in the timing of a potential site visit;
- Next steps associated with the work (which are covered on slide 21 of the aforementioned presentation); and
- Logistical considerations associated with transfer of plant-specific information.

After the meeting, NRC staff were questioned by a member of the public as to whether the project will be studying accident-tolerant fuels as part of this project. The staff explained that the project will study the as-built, as-operated plant, and thus will not be studying fuel designs different than those currently used at the plant. The NRC staff has made note of the feedback provided, and are considering this feedback in the formulation of the project. The staff plans to hold a subsequent public meeting in 6 to 12 months' time, in order to discuss progress on the project, and receive additional feedback.

There were some members of the public who participated in the conference. Public Meeting Feedback forms were offered but not requested by anyone. A list of attendees is provided as Enclosure 1.

Please direct any inquiries to me at 301-415-8371, or [Mahesh.Chawla@nrc.gov](mailto:Mahesh.Chawla@nrc.gov).



Mahesh Chawla, Project Manager  
Plant Licensing Branch LPL 3-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-331

Enclosures: List of Attendees

cc: Distribution via Listserv

LIST OF ATTENDEES  
MAY 3, 2016, TELECONFERENCE  
WITH  
NEXTERA ENERGY DUANE ARNOLD, LLC  
REGARDING DUANE ARNOLD ENERGY CENTER  
CONFIRMATORY SUCCESS CRITERIA ANALYSIS PROJECT

<b>NAME</b>	<b>ORGANIZATION</b>
	<b>NUCLEAR REGULATORY COMMISSION</b>
Mahesh Chawla	NRC/NRR/DORL/LPL3-1 <sup>1</sup>
David Wrona	NRC/NRR/DORL/LPL3-1 <sup>1</sup>
Donald Helton	NRC/RES/DRA/PRAB <sup>2</sup>
See Meng Wong	NRC/NRR/DRA/APHB <sup>3</sup>
Stewart Bailey	NRC/NRR/JLD/TSD/JERB <sup>4</sup>
Eric Bowman	NRC/NRR/JLD/PPSD/JHMB <sup>5</sup>
Laura Kozak	RIII/DRP <sup>6</sup>
	<b>NEXTERA ENERGY DUANE ARNOLD, LLC</b>
William Cross	JB Licensing
Mike Davis	PDA Licensing
Anil Julka	JB Risk & Reliability
Steve Brown	PDA Engineering
	<b>MEMBERS OF PUBLIC</b>
Tim Dodson	Engineering Planning and Management (EPM), Inc.
Deann Raleigh	Sciencetech, Nuclear Division

1 Office of Nuclear Reactor Regulation, Division of Operating Reactor Licensing, LPL3-1

2 Office of Nuclear Regulatory Research, Division of Risk Analysis, Probabilistic Risk Assessment Branch

3 Office of Nuclear Reactor Regulation, Division of Risk Assessment, PRA Operations and Human Factors Branch

4 Office of Nuclear Reactor Regulation, Japan Lessons Learned Division, Electrical and Reactor Systems Branch

5 Office of Nuclear Reactor Regulation, Japan Lessons Learned Division, Hazard Reevaluation & Vendor Management Branch

6 Region III, Division of Reactor Projects

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**/RA/**

**Mahesh Chawla, Project Manager**  
**Plant Licensing Branch LPL 3-1**  
**Division of Operating Reactor Licensing**  
**Office of Nuclear Reactor Regulation**

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**ADAMS Accession Nos.:**

**Meeting Notice: ML16117A562**  
**Meeting Summary: ML16148A074**  
**Handouts: ML16117A198**

\*via email

OFFICE	NRR/DORL/LPL3-1/PM	NRR/DORL/LPL3-1/LA	RES//PRAB/BC*
NAME	MChawla	SRohrer	KCoynne
DATE	06/02/16	05/31/16	05/25/16
OFFICE	DRA/APHB/ Senior Reactor Analyst*	NRR/DORL/LPL3-1/BC	NRR/DORL/LPL3-1/PM
NAME	See-Meng Wong	DWrona	MChawla
DATE	05/09/16	06/02/16	06/02/16