

June 11, 2014

Mr. Russell J. Bell  
Director, New Plant Licensing  
Nuclear Generation Division  
Nuclear Energy Institute  
1776 I Street, NW, Suite 400  
Washington, D.C. 20006-3708

SUBJECT: QUESTIONS ON WHITE PAPER DESCRIBING PROPOSED METHODOLOGY  
AND CRITERIA REGARDING SMALL MODULAR REACTOR EMERGENCY  
PLANNING ZONE

Dear Mr. Bell:

On April 8, 2014, the Nuclear Regulatory Commission (NRC) staff held a public meeting with representatives from the Nuclear Energy Institute (NEI) (Agencywide Documents Access and Management System (ADAMS) Accession No. ML14113A610). During the meeting, NEI led a presentation that was based on its December 2013 white paper describing a proposed methodology and criteria for establishing the technical basis for small modular reactor plume exposure emergency planning zone sizing (ML13364A345). The white paper was issued in part as a response to SECY-11-0152, "Development of an Emergency Planning and Preparedness Framework for Small Modular Reactors" (ML112570439), dated October 28, 2011. After NEI's presentation, a discussion was held with the NRC staff, followed by a public question and answer session. At the conclusion of the public meeting, NRC agreed to provide follow-up questions seeking clarification on the proposed methodology presented in the white paper.

The attached enclosure contains the staff's follow-up questions. The NRC staff looks forward to receiving a timely response to those questions and to continuing the discussion on the industry-proposed approach.

Should you have any questions, please contact Arlon Costa, Senior Project Manager on my staff, at (301) 415-6402 or [Arlon.Costa@nrc.gov](mailto:Arlon.Costa@nrc.gov).

Sincerely,

*/RA/*

Michael E. Mayfield, Director  
Division of Advanced Reactors and Rulemaking  
Office of New Reactors

Project No.: 689

Enclosure: Questions on White Paper

Mr. Russell J. Bell  
Director, New Plant Licensing  
Nuclear Generation Division  
Nuclear Energy Institute  
1776 I Street, NW, Suite 400  
Washington, D.C. 20006-3708

SUBJECT: QUESTIONS ON WHITE PAPER DESCRIBING PROPOSED METHODOLOGY  
AND CRITERIA REGARDING SMALL MODULAR REACTOR EMERGENCY  
PLANNING ZONE

Dear Mr. Bell:

On April 8, 2014, the Nuclear Regulatory Commission (NRC) staff held a public meeting with representatives from the Nuclear Energy Institute (NEI) (Agencywide Documents Access and Management System (ADAMS) Accession No. ML14113A610). During the meeting, NEI led a presentation that was based on its December 2013 white paper describing a proposed methodology and criteria for establishing the technical basis for small modular reactor plume exposure emergency planning zone sizing (ML13364A345). The white paper was issued in part as a response to SECY-11-0152, "Development of an Emergency Planning and Preparedness Framework for Small Modular Reactors" (ML112570439), dated October 28, 2011. After NEI's presentation, a discussion was held with the NRC staff, followed by a public question and answer session. At the conclusion of the public meeting, NRC agreed to provide follow-up questions seeking clarification on the proposed methodology presented in the white paper.

The attached enclosure contains the staff's follow-up questions. The NRC staff looks forward to receiving a timely response to those questions and to continuing the discussion on the industry-proposed approach.

Should you have any questions, please contact Arlon Costa, Senior Project Manager on my staff, at (301) 415-6402 or [Arlon.Costa@nrc.gov](mailto:Arlon.Costa@nrc.gov).

Sincerely,

/RA/

Michael E. Mayfield, Director  
Division of Advanced Reactors and Rulemaking  
Office of New Reactors

Project No.: 689

Enclosure: Questions on White Paper

DISTRIBUTION:

Public  
SMagruder, NRO  
MMcCoppin, NRO  
LMrowca, NRO  
MMayfield, NRO  
CAder, NRO  
RLewis, NSIR  
LKokajko, NRR  
RidsNroDarr  
RidsOgcMailCenter

**ADAMS Accession No.: ML14142A436**

**\*via email**

**NRO-002**

OFFICE	NRO/DARR	NRO/DARR	NRO/DARR	NRO/DSEA*	NRO/DSRA*	NSIR/DPR*	NRO/DARR
NAME	ACosta	ABradford	MMayfield	SFlanders	CAder	RLewis	MMayfield
DATE	05/22/2014	05/28/2014	05/30/2014	06/05/2014	06/09/2014	06/09/2014	06/11/2014

**OFFICIAL RECORD COPY**