

January 10, 2018

MEMORANDUM TO: John P. Segala, Chief
Advanced Reactor and Policy Branch
Division of Safety Systems, Risk Assessment and Advanced
Reactors
Office of New Reactors

FROM: William D. Reckley, Senior Project Manager **/RA/**
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Office of New Reactors

SUBJECT: SUMMARY OF DECEMBER 13, 2017, PUBLIC MEETING
TO DISCUSS POSSIBLE CHANGES TO PHYSICAL SECURITY
REQUIREMENTS FOR ADVANCED REACTOR DESIGNS

On December 13, 2017, the U.S. Nuclear Regulatory Commission (NRC) held a Category 2 public meeting with various stakeholders to discuss possible changes to physical security requirements for advanced reactor designs (Agencywide Documents Access and Management System [ADAMS] Accession No. ML17334A212). Enclosure 1 contains a list of meeting attendees and participants who joined via webinar. The slides and meeting handouts are available in ADAMS Accession No. ML17354A961.

The NRC staff summarized the document "Draft White Paper on Potential Changes to Physical Security Requirements for Small Modular and Advanced Reactors - Supporting Public Meeting of December 13, 2017" (ADAMS Accession No. ML17333A524). The primary purpose of the draft white paper is to support interactions with stakeholders during the development of a Commission paper on the topic of possible changes to security requirements for light-water small modular reactors and non-light water reactors. The draft white paper and NRC slide presentation outlined the following four options:

- 1) No change / Status Quo;
- 2) Address possible requests for alternatives via guidance;
- 3) Limited scope rulemaking to address what would otherwise be likely requests for alternatives; and
- 4) Broader based rulemaking to more fully reflect attributes of advanced reactors.

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The NRC staff summarized each option and supported stakeholder discussions (see slides under ADAMS Accession No. ML17354A961). Dr. Edwin Lyman, of the U.S. Union of Concerned Scientists, offered a preference for Option 1 stating that: (1) there is no evidence that the number of applications for advanced reactors warrant a rulemaking; (2) advanced reactor technologies remain unproven; and (3) case-by-case assessments are more appropriate given the uncertainties. Representatives from the Nuclear Energy Institute, NuScale Power, and the Tennessee Valley Authority, preferred Option 3—stating that a limited scope rulemaking was needed to reduce regulatory uncertainties and to more fully support the goal of addressing security issues within the design process. The industry representatives are giving additional thought to whether they will suggest specific changes to regulations for Option 3 within the Commission paper (e.g., the requirements for armed responders in Section 73.55 of Title 10 of the *Code of Federal Regulations*) or, as described in the draft white paper, leave the specifics of a limited scope rulemaking, if pursued, until after the Commission decision. The staff invited additional feedback on this or other topics from any stakeholders participating in the meeting/webinar. It was generally agreed that additional meetings or interactions were not needed to support the NRC staff's completion of the Commission paper.

Enclosure:

1. List of attendees

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NRO-002

OFFICE	NRO/DSRA/ARPB:PM
NAME	WReckley
DATE	01/10/2018

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Public Meeting – Advanced Reactor Security Requirements
 December 13, 2017
 Attendance List

Attendance List			
	Name	Organization	Webinar
Chris	Lui	NRC/ACRS	✓
Amy	Cubbage	NRC/NRO	
John	Monninger	NRC/NRO	
John	Segala	NRC/NRO	
Jim	Andersen	NRC/NSIR	
David	Curtis	NRC/NSIR	
David	Diec	NRC/NSIR	
Pete	Lee	NRC/NSIR	
Alison	Rivera	NRC/NSIR	
Joe	Rivers	NRC/NSIR	
Nanette	Valliere	NRC/OCMSB	✓
Marcia	Carpentier	NRC/OGC	
Neil	Sheehan	NRC/OPA	✓
Scott	Bussey	NRC/TTC	✓
Farshid	Shahroki	Areva	
Chantal	Morin	CNSC	✓
Jana	Bergman	Curtiss Wright	✓
Trevor	Cook	DOE/NE	✓
Ryan	Lighty	Morgan Lewis	
Mike	Tschiltz	NEI	
David	Young	NEI	
GL	Plumlee	NTD Consulting	
Philip	Gibbs	ORNL	
Randy	Belles	ORNL	✓
George	Flanagan	ORNL	✓
David	Holcomb	ORNL	✓

Public Meeting – Advanced Reactor Security Requirements
December 13, 2017
Attendance List

Mike	Poore	ORNL	✓
Pat	Asendorf	TVA	
Kevin	Casey	TVA	
Joe	Shea	TVA	
Edwin	Lyman	USUCS	✓
Donald	Carlson		✓