



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

August 25, 2016

MEMORANDUM TO: John Segala, Chief
Advanced Reactor and Policy Branch
Division of Engineering, Infrastructure, and Advanced Reactors
Office of New Reactors

FROM: William D. Reckley, Special Advisor–Policy */RA/*
Orders Management Branch
Japan Lessons-Learned Division
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF JULY 27, 2016, PUBLIC MEETING
TO DISCUSS ADVANCED, NON-LIGHT WATER REACTOR
REGULATORY REVIEWS

On July 27, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16181A321), the U.S. Nuclear Regulatory Commission (NRC) staff held a Category 2 public meeting with the Nuclear Energy Institute (NEI) Advanced Reactor Regulatory Task Force (ARRTF) and other stakeholders to discuss the initiatives within the industry and NRC related to the development and licensing of non-light water reactors. This was the first public meeting with NRC staff and representatives from NEI's ARRTF. A list of individuals attending or participating in the meeting by webinar can be found as an enclosure to this summary. The slides and meeting handouts used by the staff and industry are available in ADAMS under Accession No. ML16222A395.

The staff provided some background information on the development of regulatory review and licensing strategies and activities associated with the draft "NRC Vision and Strategy for Non-Light Water Reactor Mission Readiness," issued for public comment (81 FR 47443; July 21, 2016). The focus of the staff's presentation was to elicit stakeholder feedback on establishing more flexible, risk-informed, performance-based, regulatory review options for advanced reactors, including the use of conceptual design reviews, staged-review processes, and standard design approvals (SDAs). The flexible approaches discussed are intended to accommodate potential applicants having a range of financial, technical, and regulatory maturity, and a range of application readiness.

The NEI presentation provided background information on the focus areas of the ARRTF, with particular attention to the activities of the working group formed to address staged application reviews and approvals. Much of the discussion centered on preliminary results from an NEI survey of advanced reactor developers. NEI plans to refine the survey data to develop industry proposals for a staged process and is considering additional surveys of the developers and related communities such as potential investors.

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The meeting ended with a discussion of future meetings and potential deliverables to help the NRC staff and industry in their activities related to non-LWR regulatory interactions. Possible topics and preliminary documents to prepare to support discussions include a guide on terminology; a guide on processes and procedures (including use of a staged process); a guide on SDAs (including scope in terms of major portions of the design for a nuclear power reactor); and revisions of NRC's vision and strategy document. The next meeting is tentatively planned for late-September 2016.

Please direct any inquiries to me at (301) 415-7490 or william.reckley@nrc.gov.

Enclosure:
List of Attendees

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Enclosure:
List of Attendees

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**ADAMS Accession Nos.: Package ML16222A393
Memo ML16236A110; Meeting Slides ML16222A395**

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| OFFICE | NRR/JLD/JOMB/SA |
| NAME | WReckley WdR |
| DATE | 08/25/2016 |

OFFICIAL RECORD COPY

Public Meeting to Discuss Non-Light Water Reactor Regulatory Reviews

July 27, 2016

Attendance List

| Name | Organization | Name | Organization |
|-------------------|---------------------------|--------------------|----------------------|
| Michael Mayfield | NRC/NRO/DEIA | Stephen Smith | Transatomic Power |
| Deborah Jackson | NRC/NRO/DEIA | Wendolyn Holland | Transatomic Power |
| Anna Bradford | NRC/NRO/DEIA | Dimitri Lutchenkov | X-energy |
| William Reckley | NRC/NRR/JLD | Adam Reichenbach | Duke Energy |
| Mark Caruso | NRC/NRO/DSRA | Mark Holbrook | INL |
| George Tartal | NRC/NRO/DEIA | Ashley Finan | Clean Air Task Force |
| Mike Jones | NRC/NRO/DEIA | Alexandra Popova* | OKLO |
| Tara Inverso | NRC/OEDO | Korey Hosack* | Westinghouse |
| | | Everett Redmond* | NEI |
| Kati Austgen | NEI | Steven Dolley* | Platts |
| Russ Bell | NEI | Arlon Costa* | NRC/NRO/DEIA |
| Patricia Campbell | GEH | Steven Downey* | NRC/NRO/DEIA |
| N. Prasad Kadambi | Self | Nicholas McMurray* | NRC/NRO/DEIA |
| Robin Rickman | Terrestrial Energy USA | Michael Ford* | Clean Air Task Force |
| Gary Ruf | PSEG | Jan Mazza* | NRC/NRO/DEIA |
| Steve Schilthelm | BWXT | Dale Wuokko* | Global Energy Mgt |
| David Matthews | Elysium Industries | Gordan Cleifton* | Self |
| Amir Afzali | Southern Co. | George Flanagan* | ORNL |
| Caroline Cochran | OKLO | | |
| Travis Chapman | OKLO | | |

* indicates individual registered for webinar

Enclosure