

June 16, 2016

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

FROM: Lucieann Vechioli, Project Manager */RA/*
Advanced Reactor and Policy Branch
Division of Engineering, Infrastructure, and Advanced Reactors
Office of New Reactors

SUBJECT: SUMMARY OF A PUBLIC MEETING WITH THE DEPARTMENT
OF ENERGY REGARDING NON-LIGHT WATER REACTOR
DESIGN CRITERIA AND NON-LIGHT WATER REACTOR
PREPARATION ACTIVITIES ON MAY 17, 2016

On May 17, 2016, staff from the U.S. Nuclear Regulatory Commission (NRC) and the U.S. Department of Energy (DOE) met at the U.S. Nuclear Regulatory Commission, 11555 Rockville Pike, Rockville, Maryland, 20852. The purpose of the meeting was to serve as an information exchange on the advanced reactor design criteria and non-light water reactor (non-LWR) readiness planning.

During the meeting, NRC staff provided an update to DOE staff and interested stakeholders on the non-LWR design criteria and the NRC's non-LWR preparation status. NRC staff noted that these topics will be covered during the NRC-DOE Advanced Non-LWR Workshop that will be held on June 7-8, 2016. NRC presentation slides can be located at Agencywide Documents Access and Management System (ADAMS) Accession Number ML16137A500.

The development of new industry codes and standards for non-LWRs and technical staff training for future new non-LWR technology reviews are some of the NRC staff preparation goals for a comprehensive vision and strategy for non-LWRs and mission readiness. The NRC staff is also working on policy issues for small modular reactors that will also apply to non-LWRs.

During DOE's presentation (ADAMS Accession Number ML16137A477), DOE staff indicated that there is increasing industry interest in advanced reactors, including Congressional support. There are a number of vendors pursuing concept development and international activities. In 2014, DOE and NRC initiated a joint project for the development of General Design Criteria (GDC) for non-LWR concepts. Proposed GDC were sent by DOE to NRC in December 2014 with stakeholder input. Regulatory guidance is expected by 2017.

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(301) 415-6035

Jointly, both agencies initiated a workshop series with industry, national laboratories, and other non-government organizations. The workshops are designed to focus on exploring increased efficiency options, from both a technical and regulatory perspective, including safe development and deployment of innovative reactors. The first workshop was held on September 1-2, 2015 and the second one will be held on June 7-8, 2016.

Members of the public had the opportunity to ask questions to both NRC and DOE at the end of the presentations. Members of the public expressed specific interest regarding the nuclear reactor vendor concept development and how accessible information is to the public. DOE staff indicated that their intent is to make information as available as possible to all vendors and other stakeholders and that designs are currently under merit review to select two concepts for further development based on the most developed ones.

The NRC staff continues to communicate with stakeholders through outreach activities. NRC staff noted that interested stakeholders can subscribe to the advanced reactor webpage at www.govdelivery.com that is available on the NRC public website to receive important messages and updates.

Enclosures:

1. Agenda
2. List of Attendees

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DATE	06/07/16	06/12/16	06/16/16

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PUBLIC MEETING
ADVANCED REACTOR DESIGN CRITERIA AND NON-LWR ADVANCED PLANNING
Tuesday, May 17, 2016
2:00 – 3:00 p.m.

PURPOSE: Information exchange on the advanced reactor design criteria and non-light water reactor (non-LWR) readiness planning.

<u>Time</u>	<u>Topic</u>	<u>Led By</u>
2:00 p.m. – 2:05 pm	Opening Remarks	NRC/DOE
2:05 p.m. – 2:20 p.m.	NRC Status	NRC
2:20 p.m. – 2:45 p.m.	DOE Status	DOE
2:45 p.m. – 3:00 p.m.	Public comments	Public
3:00 p.m.	Adjourn	All

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2:00 – 3:00 p.m.

List of Attendees

NAME	AFFILIATION
Andrew Krinzman	BWXT
John Segala	NRC
Sandra Sloan	BWXT
Kat Austgen	NEI
Steven Freel	Consultant Elysium
Derek Bass	GE Hitachi
Cheryl Robinson	Westinghouse
Wayne Moe	Idaho National Laboratories
Steven Dolley	S&P Global
William Donald	Oak Ridge National Laboratories
Steven Lynch	NRC
Harold Scott	NRC
Willien Poore	Oak Ridge National Laboratories
Tom Sowinski	DOE
Mark Holbrook	Idaho National Laboratories
Ed Davis	Pegasus
Jim Kinsey	INL
Fred Silady	
Jan Mazza	NRC
Sheila Ray	NRC
Mike Jones	NRC
Marcia Carpenter	NRC
Jeff Schmidt	NRC
William Dawn	GE Power
Donald Carlson	NRC
Craig Welling	DOE
Nicholas McMurray	NRC
Mike Snodderly	NRC
Ata Istar	NRC
Craig Harbuck	NRC
John Monninger	NRC
Harold Scott	NRC
Arlon Costa	NRC
Greg Schoenebeck	NRC
Imtiaz Madni	NRC
Bob Fitzpatrick	NRC
Mark Caruso	NRC
Michael Case	NRC
George Tartal	NRC

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List of Attendees

NAME	AFFILIATION
Mike Weber	NRC
Bob Caldwell	NRC
Bill Reckley	NRC
Michelle Hart	NRC
Debbie Jackson	NRC