



NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

October 4, 2022

MEMORANDUM TO: Mohammed Shams, Director
Division of Advanced Reactors and
Non-power Production Utilization Facilities
Office of Nuclear Reactor Regulation

FROM: Louise Lund, Director
Division of Engineering
Office of Nuclear Regulatory Research

SUBJECT: IMPENDING PUBLICATION OF TECHNICAL
LETTER REPORT (TLR-RES/DE/REB/2022-08)
"STATUS OF ADVANCED NON-LIGHT WATER
REACTOR RESEARCH ACTIVITIES: MATERIALS,
CHEMISTRY, AND COMPONENT INTEGRITY REV.1"

John B. McKirgan McKirgan, John signing on behalf
of Lund, Louise
on 10/04/22

The Office of Nuclear Regulatory Research (RES) has completed a technical letter report (TLR) entitled "Status of Advanced Non-Light Water Reactor Research Activities: Materials, Chemistry, and Component Integrity" (ADAMS Accession ML22258A193). This TLR documents work performed to support the NRC "Vision and Strategy for Safely Achieving Effective and Efficient Non-Light Water Reactor Mission Readiness" (ADAMS Accession No. ML16356A670).

The purpose of this report is to document the research activities related to materials, chemistry, and component integrity being conducted to support the review and regulation of advanced non-light water reactors (ANLWR). These activities align with the NRC vision and strategy developed to assure NRC readiness to efficiently and effectively conduct its mission for these technologies. Specifically, these activities support Strategy 2 of the NRC vision and strategy by enhancing ANLWR technical readiness and optimizing regulatory readiness. Staff representatives from the Division of Advanced Reactors and Non-power Production and Utilization Facilities in the Office of Nuclear Reactor Regulation have reviewed a draft of this TLR, and the enclosed final TLR reflects the resolution of their comments. Nonetheless, please feel free to notify the responsible RES contact if you have any questions concerning the impending public release of this TLR.

RES has established an online quality survey to collect feedback from user offices on the usefulness of RES products and services. This survey can be found online at the hyperlink: [RES Quality Survey](#).

CONTACT: Austin Young, RES/DE/REB
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I would appreciate the responsible manager completing this short survey within the next 10 working days to present your office's views of the delivered RES product. If you cannot provide a rating of "Exceptional" in all areas of the survey, please reach out the RES/DE contact person prior to the completion of the survey and allow us the opportunity to address your concern.

Enclosure:

TLR-RES/DE/REB/2022-08, "Status of Advanced
Non-Light Water Reactor Research Activities:
Materials, Chemistry, and Component Integrity Rev

TLR-RES/DE/REB/2022-08 - STATUS OF ADVANCED NON-LIGHT WATER REACTOR RESEARCH ACTIVITIES: MATERIALS, CHEMISTRY, AND COMPONENT INTEGRITY DATE October 4, 2022

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ADAMS Accession No.: ML22258A193; ML22258A195

OFFICE	NRR/DNRL/NPHP	RES/DE/CIB	RES/DE	
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DATE	Sep 16, 2022	Sep 16, 2022	Oct 4, 2022	

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