




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

May 24, 2021

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

FROM: Louise Lund, Director  Bowen, Jeremy signing on behalf
of Lund, Louise
on 05/24/21
Division of Engineering
Office of Nuclear Regulatory Research

SUBJECT: IMPENDING PUBLICATION OF TECHNICAL LETTER
REPORT: TLR-RES/DE/CIB-2021-07, "ADDITIONAL
TECHNICAL INFORMATION IN SUPPORT OF THE U.S.
NUCLEAR REGULATORY COMMISSION REVIEW OF THE 2017
EDITION OF ASME SECTION III, DIVISION 5, "HIGH
TEMPERATURE REACTORS," SUBSECTION HH, "CLASS A
NONMETALLIC CORE SUPPORT STRUCTURES," SUBPART A
"GRAPHITE MATERIALS."

The Office of Nuclear Regulatory Research (RES) completed Technical Letter Report (TLR), TLR-RES/DE/CIB-2021-07, "Additional Technical Information in Support of the U.S. Nuclear Regulatory Commission Review of the 2017 Edition of ASME Section III, Division 5, "High Temperature Reactors," Subsection HH, "Class A Nonmetallic Core Support Structures," Subpart A, "Graphite Materials" (ADAMS Accession No. ML21109A123).

The contractor report on the assessment of Subsection HH, Subpart A was provided in TLR/RES/DE/CIB-2020-10, Technical Input for the U.S. Nuclear Regulatory Commission Review of the 2017 Edition of ASME Boiler and Pressure Vessel Code, Section III, Division 5, "High Temperature Reactors," Subsection HH, "Class A Nonmetallic Core Support Structures," Subpart A, "Graphite Materials," (ADAMS Accession No. ML20344A001) issued in December 2020. As part of that assessment, the contractor identified items for additional consideration, primarily based on the lack of clarity in definitions and requirements provided within Subsection HH, Subpart A. This TLR provides more context and details on these items and other select portions of Subsection HH, Subpart A. This TLR also provides supplementary information documenting the approach used by the contractor to assess Subsection HH, Subpart A.

Staff from the Division of Advanced Reactors and Non-power Production and Utilization Facilities in the Office of Nuclear Reactor Regulation reviewed drafts of the TLR, and the enclosed final TLRs reflect the resolution of their comments.

CONTACT: Matthew Gordon, RES/DE/CIB
(301) 415-2152

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](#). 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. Please share any concerns with me or the Division of Engineering contact listed below, so that they may be addressed.

If additional information is required, please contact Matthew Gordon of my staff at 415-2152 or mxg9@nrc.gov

Enclosure:
As stated

TLR/RES/DE/CIB-2021-07, Additional Technical Information in Support of Subsection HHA, Graphite Materials DATE May 24, 2021

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ADAMS Accession No.: ML21109A115; ML21134A055

OFFICE	RES/DE/CIB	RES/DE/CIB	RES/DE	
NAME	MGordon	<i>MG</i> Rlyengar	<i>R/</i> LLund JBowen for	<i>JB</i>
DATE	May 21, 2021	May 21, 2021	May 24, 2021	

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