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

December 17, 2020

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
Division of Engineering
Office of Nuclear Regulatory Research

Bowen, Jeremy signing on behalf of Lund, Louise on 12/17/20

SUBJECT: IMPENDING PUBLICATION OF TECHNICAL LETTER REPORTS:

TLR-RES/DE/CIB-2020-13, "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,' REVIEW OF HBB-T, HBB-II, HCB-I, HCB-II, AND HCB-III FOR METALLIC COMPONENTS."

TLR-RES/DE/CIB-2020-14, "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,' REVIEW OF CODE CASE N-861 AND N-862: ELASTIC-PERFECT PLASTIC METHODS FOR SATISFACTION OF STRAIN LIMITS AND CREEP-FATIGUE DAMAGE EVALUATION IN BPV-III-5 RULES."

The Office of Nuclear Regulatory Research (RES) has completed Technical Letter Reports (TLRs), TLR-RES/DE/CIB-2020-13, "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,' Review of HBB-T, HBB-II, HCB-I, HCB-II, and HCB-III for Metallic Components," (Agencywide Documents Access and Management System (ADAMS) Accession No. ML20349A002) and TLR-RES/DE/CIB-2020-14, "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,' Review of Code Case N-861 and N-862: Elastic-Perfect Plastic Methods for Satisfaction of Strain Limits and Creep-Fatigue Damage Evaluation in BPV-III-5 Rules." (ADAMS Accession No. ML20349A003).

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

These assessments provide recommendations that will be used to inform the technical bases in the upcoming staff-generated NUREG for the potential endorsement of ASME Section III, Division 5.

Please feel free to notify the responsible RES contact if you have any questions concerning the impending public release of this TLR. RES 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 RES Quality Survey. I would appreciate the responsible manager or supervisor completing this short—about 5 minutes—survey within the next 10 working days to present your office's views of the delivered RES product.

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

Enclosure:
As stated

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DATED DECEMBER 17, 2020

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