NOTIFICATION

Addendum

The following communication, dated 8 February 2023, is being circulated at the request of the delegation of the United States of America.

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**Title:** Acceptability of ASME Code Section III, Division 5, High Temperature Reactors

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| **Reason for Addendum:** |
| [ ] | Comment period changed - date:  |
| [ ] | Notified measure adopted - date:  |
| [ ] | Notified measure published - date:  |
| [ ] | Notified measure enters into force - date:  |
| [ ] | Text of final measure available from[[1]](#footnote-1):  |
| [ ] | Notified measure withdrawn or revoked - date: Relevant symbol if measure re-notified:  |
| [ ] | Content or scope of notified measure changed and text available from1: New deadline for comments (if applicable):  |
| [X] | Interpretive guidance issued and text available from1: Regulatory guide; NUREG; issuance<https://www.nrc.gov/reading-rm/doc-collections/reg-guides/power-reactors/rg/division-1/division-1-81.html><https://www.govinfo.gov/content/pkg/FR-2023-02-07/html/2023-02518.htm><https://www.govinfo.gov/content/pkg/FR-2023-02-07/pdf/2023-02518.pdf> |
| [ ] | Other: <https://members.wto.org/crnattachments/2023/TBT/USA/23_0993_00_e.pdf> |

**Description:** TITLE: Acceptability of ASME Code, Section III, Division 5, High Temperature Reactors

AGENCY: Nuclear Regulatory Commission

ACTION: Regulatory guide; NUREG; issuance

SUMMARY: The U.S. Nuclear Regulatory Commission (NRC) is issuing Revision 2 to Regulatory Guide (RG), 1.87, "Acceptability of ASME Code, Section III, Division 5, 'High Temperature Reactors.' " This RG, accessible at <https://www.nrc.gov/reading-rm/doc-collections/reg-guides/power-reactors/rg/division-1/division-1-81.html>, describes an approach that is acceptable to the NRC staff to assure the mechanical/structural integrity of components that operate in elevated temperature environments and that are subject to time-dependent material properties and failure modes. It endorses, with exceptions and limitations, the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel (BPV) Code (ASME Code) Section III, "[Rules for Construction of Nuclear Facility Components," Division 5, "High Temperature Reactors](https://www.asme.org/codes-standards/find-codes-standards/bpvc-iii-5-bpvc-section-iii-rules-construction-nuclear-facility-components-division-5-high-temperature-reactors/2021/print-book)," and Code Cases N-861, N-862, N-872, and N-898. The NRC is also issuing NUREG-2245, "Technical Review of the 2017 Edition of ASME Section III, Division 5, 'High Temperature Reactors,' " that documents the NRC staff's review of the 2017 Edition of ASME Section III, Division 5, certain portions of the 2019 Edition, and [Code Cases](https://www.asme.org/codes-standards/publications-information/code-cases) N-861 and N-862. The technical basis for the NRC's endorsement of Code Cases N-872 and N-898 is contained in Technical Letter Report (TLR)-RES/DE/REB-2022-01, "Review of Code Cases Permitting Use of Nickel-Based Alloy 617 in Conjunction with ASME Section III, Division 5."

DATES: Revision 2 to RG 1.87 is available on 7 February 2023.

This regulatory guide; NUREG; issuance and the draft regulatory guide; draft NUREG; request for comment notified as [G/TBT/N/USA/1780](https://docs.wto.org/imrd/directdoc.asp?DDFDocuments/t/G/TBTN21/USA1780.DOCX) are identified by Docket Number NRC-2021-0117. The Docket Folder is available on Regulations.gov at <https://www.regulations.gov/docket/NRC-2021-0117/document> and provides access to primary and supporting documents as well as comments received. Documents are also accessible from [Regulations.gov](http://www.regulations.gov/) by searching the Docket Number.

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1. This information can be provided by including a website address, a pdf attachment, or other information on where the text of the final/modified measure and/or interpretive guidance can be obtained. [↑](#footnote-ref-1)