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Topics for Discussion

- Title 10 of the *Code of Federal Regulations* (10 CFR) Section 50.55a Rulemaking Updates to Incorporate by Reference ASME Codes for Inservice Testing (IST) and Inservice Inspection (ISI) Programs
 - 2020 Edition of ASME OM Code Final Rule Issued
 - 2022 Edition of ASME OM Code Proposed Being Prepared
- Regulatory Guide (RG) Rulemaking Updates – OM Code Case Acceptability
- Proposed Extension of Code of Record (COR) Update Intervals for IST and ISI Programs
- Code Case OMN-31, “Alternative to Allow Extension of ISTA-3120 Inservice Examination and Test Intervals From 10 Years to 12 Years”

10 CFR 50.55a Final Rulemaking Update – ASME Code in Current 10 CFR 50.55a

- Last ASME Code Rulemaking
 - Issued on October 27, 2022
 - *Federal Register*, Vol. 87, No. 207, pages 65128-65157
 - Effective on November 28, 2022
- Incorporates by Reference in 10 CFR 50.55a:
 - 2020 Edition of ASME OM Code, Division 1, with Conditions
 - 2019 Edition of ASME B&PV Section III, Division 1, with Conditions
 - 2019 Edition of ASME B&PV Section XI, Division 1, with Conditions
- For current 10 CFR 50.55a, see www.ecfr.gov

10 CFR 50.55a Final Rulemaking Update – ASME Code in Current 10 CFR 50.55a (continued)

- Specific changes to 10 CFR 50.55a regarding ASME OM Code (2020 Edition) included:
 - Removed incorporation by reference of 2011 Addenda of ASME OM Code from 10 CFR 50.55a(a)(1)(iv)(B)(2) and consequently removed condition on use of 2011 Addenda specified in 10 CFR 50.55a(b)(3)(vii) as well as reference to 2011 Addenda in 10 CFR 50.55a(b)(3)(ix).
 - Removed incorporation by reference of 2015 Edition of ASME OM Code from 10 CFR 50.55a(a)(1)(iv)(C)(2) and reference to 2015 Edition in 10 CFR 50.55a(b)(3)(ix).
 - Removed condition on use of Subsection ISTB in 2011 Addenda of the ASME OM Code based on removal of its incorporation by reference in 10 CFR 50.55a.

10 CFR 50.55a Final Rulemaking Update – ASME Code in Current 10 CFR 50.55a (continued)

- Specific 10 CFR 50.55a changes (continued):
 - Modified 10 CFR 50.55a(f)(4) and (g)(4) to clarify relationship between 50.55a(f)(4) and (g)(4) regarding IST or ISI programs for snubbers.
 - When using 2006 Addenda or later edition of ASME BPV Code, Section XI, the inservice examination, testing, and service life monitoring requirements for dynamic restraints (snubbers) must meet requirements set forth in applicable ASME OM Code as specified in 10 CFR 50.55a(b)(3)(v)(B).
 - When using 2005 Addenda or earlier edition or addenda of ASME BPV Code, Section XI, the inservice examination, testing, and service life monitoring requirements for dynamic restraints (snubbers) must meet requirements set forth in either applicable ASME OM Code or ASME BPV Code, Section XI as specified 10 CFR 50.55a(b)(3)(v)(A).

10 CFR 50.55a Final Rulemaking Update – ASME Code in Current 10 CFR 50.55a (continued)

- Specific 10 CFR 50.55a changes (continued):
 - In light of removal of IST Program Plan submittal requirement from 2020 Edition of ASME OM Code, added 10 CFR 50.55a(f)(7), Inservice testing reporting requirements.
 - Inservice Testing Program Test and Examination Plans (IST Plans) for pumps, valves, and dynamic restraints (snubbers) prepared to meet requirements of ASME OM Code must be submitted.
 - IST Plans must be submitted within 90 days of implementation for applicable 120-month IST Program interval. Electronic submission is preferred.

10 CFR 50.55a Final Rulemaking Update – ASME Code in Current 10 CFR 50.55a (continued)

- Specific 10 CFR 50.55a changes (continued):
 - In 10 CFR 50.55a(b)(3)(xi), provided additional provisions for extending the interval for position indication testing required in ISTC-3700 for valves not susceptible to stem-disk separation.
 - Incorporated by reference Subsection ISTE for risk-informed IST programs in the 2020 Edition of the ASME OM Code without conditions.

10 CFR 50.55a Proposed Rulemaking Update – Proposed Rule to Incorporate by Reference New ASME Codes in 10 CFR 50.55a

- NRC staff has initiated a proposed rulemaking to incorporate by reference the following:
 - 2021 Edition of the ASME BPV Code, Division 1, Sections III and XI, with conditions as appropriate.
 - 2022 Edition of the ASME OM Code with conditions as appropriate.
- NRC staff plans to issue the proposed rule for public comment in mid-2023.

10 CFR 50.55a Final Rulemaking Update – Code Cases in Current 10 CFR 50.55a

- Revision 4 of RG 1.192, Revision 39 of RG 1.84, and Revision 20 of RG 1.147 address the acceptability of:
 - ASME OM Code Cases OMN-22 to 27 available on the ASME Codes & Standard (C&S) Connect Website. Other OM Code Cases remain the same in Revision 4 as in Revision 3 to RG 1.192.
 - Code Cases from ASME BPV Code, Sections III and XI, listed in Supplement 0 through 7 to 2015 Edition of ASME BPV Code, Section XI, and Supplement 1 to 2019 Edition of ASME BPV Code.
 - Current NRC regulations in 10 CFR 50.55a incorporate by reference these specific revisions to RGs 1.192, 1.84, and 1.147.

10 CFR 50.55a Proposed Rulemaking Update – Code Cases and Extension of IST/ISI Code of Record Update Interval

- Proposed Rulemaking for New Code Cases and IST/ISI COR Update Interval Extension:
 - Issued on March 6, 2023, for public comments in *Federal Register*, Vol. 88, No. 43, pages 13717-13735
 - Address acceptability of recent ASME BPV Code Cases and OM Code Cases by updating the applicable RGs.
 - Draft RG 1.192, Revision 5 (DG-1407) accepts new ASME OM Code Cases OMN-28 through OMN-30 without conditions and OMN-31 with conditions.
 - Based on public request, public comment period extended to June 16, 2023.

10 CFR 50.55a Proposed Rulemaking Update – Code Cases and Extension of IST/ISI COR Update Interval (continued)

- Proposed rule requested public comments on possible extension of COR update requirements in 10 CFR 50.55a from 10 years to 20 or 24 years for licensees that are implementing (as their IST and ISI COR) the 2020 Edition of the ASME OM Code and 2019 Edition of the ASME BPV Code, or later editions and addenda, as incorporated by reference in 10 CFR 50.55a.
- For a licensee implementing ASME OM 2020 Edition and BPV 2019 Edition or later edition as its IST/ISI Program COR, the rule proposes a 20-year or 24-year COR update interval requirement depending on whether the licensee is implementing a 10-year or 12-year OM Examination and Test interval and Section XI Inspection interval as applicable to the ASME OM and BPV Codes.

10 CFR 50.55a Proposed Rulemaking Update – Code Cases and Extension of IST/ISI COR Update Interval (continued)

- For background on proposed IST/ISI COR update interval, see the following:
 - NRC Commission Paper SECY-21-0029 (March 15, 2021), “Rulemaking Plan on Revision of Inservice Testing and Inservice Inspection Program Update Frequencies Required in 10 CFR 50.55a” (ML20273A286);
 - Staff Requirements Memorandum SRM-SECY-21-0029 (November 8, 2021) (ML21312A490); and
 - Commission Paper SECY-22-0075 (August 10, 2022), “Staff Requirements SECY-21-0029 Inservice Testing and Inservice Inspection Program Rulemakings Update” (ML22124A178).

10 CFR 50.55a Proposed Rulemaking Update – Code Cases and Extension of IST/ISI COR Update Interval (continued)

- Draft RG 1.192, Revision 5 (DG-1407) accepts new ASME OM Code Cases OMN-28 through OMN-30 without conditions and OMN-31 with conditions.

ASME OM Code Case OMN-31

- Code Case OMN-31 available on ASME C&S Connect website.
- ASME Code Case OMN-31 allows extension of ISTA-3120 Inservice Examination and Test Intervals from 10 Years to 12 Years provided all other requirements of ISTA-3120 are satisfied.
- ASME Code Case Index specifies applicability of Code Case OMN-31 as 2001 Edition through 2020 Edition of ASME OM Code.
- In draft RG 1.192 (Revision 5), NRC proposes a condition that use of Code Case OMN-31 is limited to licensees implementing the 2020 Edition through the latest edition of the ASME OM Code incorporated by reference in 10 CFR 50.55a as the COR for their IST Program.



Questions?

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