

**STATUS OF NRC ACTIVITIES OF POTENTIAL INTEREST  
TO OM MAIN COMMITTEE**

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**ASME OM Code Committee Meeting on December 13-15, 2017  
At Clearwater Beach, FL**

**10 CFR 50.55a Rulemaking**

Title 10 of the *Code of Federal Regulations* (10 CFR) in Section 50.55a, "Codes and standards," currently incorporates by reference the 2012 Edition of the American Society of Mechanical Engineers (ASME) *Code for Operation and Maintenance of Nuclear Power Plants* (OM Code), the 2013 Edition of the ASME *Boiler and Pressure Vessel Code* (BPV Code), Section XI, and the 2013 Edition of the ASME BPV Code, Section III, with conditions. Section 50.55a also incorporates by reference selected previous editions and addenda of the ASME OM and BPV Codes, with conditions.

The scope of the next proposed rulemaking to amend 10 CFR 50.55a is currently planned to include:

2015 Edition to the ASME BPV Code, Section III, Division 1, and Section XI, Division 1, with conditions.

2017 Edition to the ASME BPV Code, Section III, Division 1, and Section XI, Division 1, with conditions.

2015 Edition to Division 1 of the ASME OM Code, with conditions.

2017 Edition to Division 1 of the ASME OM Code, with conditions.

Specific items of interest in the proposed rulemaking related to the OM Code being considered include:

1. Add U.S. Nuclear Regulatory Commission (NRC) inservice testing (IST) Plan submittal and reporting requirements consistent with current edition of OM Code.
2. Revise 10 CFR 50.55a(f)(4)(i) and (ii) and (g)(4)(i) and (ii) to relax the time schedule for complying with the latest edition and addenda of the ASME OM or BPV Codes for IST and inservice inspection programs, respectively, from 12 months to 18 months before the applicable milestones in these paragraphs.

3. Streamline the references to editions of the ASME OM Code in each condition to simplify future 10 CFR 50.55a rulemaking, and to update specific conditions to reflect the latest ASME OM Code editions.

ASME requested that the NRC delay this rulemaking to incorporate by reference the 2017 Edition to the ASME BPV Code, Section III, Division 1 and Section XI, Division 1. The NRC Rulemaking Steering Committee agreed to accommodate ASME's request. Therefore, this proposed rulemaking is now currently scheduled to be published for public comment in mid-2018, with a 75 day public comment period. The final rulemaking package is currently scheduled to be published in mid-2019.

### **Regulatory Guide (RG) Update – OM Code Case Acceptability**

Revision 1 of RG 1.192, Revision 36 of RG 1.84, and Revision 17 of RG 1.147 address the acceptability of code cases published in the 2003 Addenda through the 2006 Addenda of the ASME OM Code and the Sections III and XI code cases listed in Supplements 1 through 10 to the 2007 Edition of the ASME BPV Code. The current regulations in 10 CFR 50.55a incorporate by reference these specific revisions to RGs 1.192, 1.84, and 1.147.

The NRC staff has completed a review of the new and revised code cases published with the 2009 Edition, 2011 Addenda, and 2012 Edition of the ASME OM Code. The proposed rulemaking and RGs for these code cases was published for public comment in the *Federal Register* (81 FR 10780) on March 2, 2016. The public comment period closed on May 16, 2016. Each code case in RG 1.192 will be identified by the number assigned by the OM Code and the applicable edition or addendum of the OM Code with which it is first published.

The NRC staff has completed the review of public comments on the proposed RG rulemaking and is preparing the final rule for issuance. The final RG rulemaking is currently scheduled to be published by the end of 2017.

The NRC staff has completed a review of the new and revised code cases published with the 2015 Edition and 2017 Edition of the ASME OM Code. The proposed rulemaking and RGs for these code cases is currently scheduled to be published in March 2018, with a 60 day comment period. The final rulemaking and RGs for these code cases is currently scheduled to be published in August 2018.

### **Valve Stem-Disc Connection Issues**

On June 15, 2017, the NRC issued Information Notice (IN) 2017-03, "Anchor/Darling Double Disc Gate Valve Wedge Pin and Stem-Disc Separation Failures," to inform licensees and applicants of operating experience regarding Anchor/Darling (a subsidiary of Flowserve) double disc gate valve (DDGV) failures. IN 2017-03 provides a discussion of a recent LaSalle County Station Unit 2 Anchor/Darling DDGV failure, events at Browns Ferry that led to Part 21 reporting, and other operating experience that resulted in stem-disc separations. The IN contains information available to the NRC staff as of May 2017. The Nuclear Energy Institute (NEI) is coordinating the industry corrective action to address the potential valve stem-disc connection issues for Anchor/Darling DDGVs at operating nuclear power plants. The NRC staff is continuing its evaluation of this issue.

### **Thirteenth ASME/NRC Pump & Valve Symposium**

The ASME and the NRC jointly sponsored the thirteenth Pump & Valve Symposium on July 17-18, 2017, in Silver Spring, Maryland, at the DoubleTree by Hilton Hotel Washington DC – Silver Spring. Participants reported that the symposium was highly successful in providing significant technical and regulatory information for use at operating and new nuclear power plants. ASME has offered to include the symposium papers on its website. Therefore, the NRC staff will not issue a NUREG collection of the symposium papers.

### **ASME-Related Generic Communications**

ASME-related generic communications issued by (or in the process of being issued by) NRR and NRO since the last report (July 2017) to the OM Standards Committee are listed below:

#### **Bulletins (BLs)**

None

#### **Generic Letters (GLs)**

None

#### **Information Notices (INs)**

None

#### **Regulatory Issue Summaries (RISs)**

None

The full text of any of these NRC generic communications can be accessed by visiting the NRC's public website at <http://www.nrc.gov/reading-rm/doc-collections/gen-comm/index.html>.