Regulatory Guide Periodic Review

Regulatory Guide (RG) Number:	**7.11, Revision 0**
Title:	**Fracture Toughness Criteria of Base Material for Ferritic Steel Shipping Cask Vessels with a Maximum Wall Thickness of 4 Inches (0.01m)**
Office/Division/Branch:	**NMSS/DSFM**
Technical Lead:	**Marcano Damaris**
Recommended Staff Action:	**Reviewed with no issues identified**

1. What are the known technical or regulatory issues with the current version of the Regulatory Guide (RG)?

RG 7.11 was originally published in March 1991, to comply with 10 CFR Part 71, "Packaging and Transportation of Radioactive Material." RG 7.11 provides fracture toughness criteria and test methods that can be used for evaluating ferritic steel containment vessel base material having a maximum wall thickness of 4 inches (0.1 m) with a maximum static yield strength of 100 ksi (690 kPa).

There are no technical or regulatory issues with the current version of the RG. The RG references the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Codes: ASME/BPVC Section III, "Rules for Construction of Nuclear Power Plant Components," which is still applicable. It was not revised since that date.

2. What is the impact on internal and external stakeholders of not updating the RG for the known issues, in terms of licensing and inspection activities?

Since no technical or regulatory issues were identified, there is no impact on licensing or inspection activities.

3. What is an estimate of the level of effort needed to address identified issues in terms of FTE and contract dollars?

As no technical or regulatory issues were identified, no resources are required.

4. Based on the answers to the questions above, what is the staff action for this RG (Reviewed with no issues identified, Reviewed with issues identified for future consideration, Revise, or Withdraw)?

Reviewed with no issues identified.

5. **Provide a conceptual plan and timeframe to address the issues identified during the review.**

   Not applicable.

NOTE: This review was conducted in September 2016 and reflects the staff's plans as of that date. These plans are tentative and subject to change.