

Regulatory Guide Periodic Review

Regulatory Guide Number: **5.78**

Revision number: **0**

Title: **Physical Protection of Mixed Oxide Fuels in Nuclear Power Plants**

Office/Division/Branch: **NSIR/DSP/SPSB & NMSS/FCSSER/ORSB**

Technical Lead: **James Vaughn & David Tiktinsky**

Staff Action Decided: **Reviewed with no issues identified**

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

There are no known technical or regulatory issues with this document. A review by the NSIR and NMSS staff reveal that there are no on-going inspections and regulatory actions related to MOX fuel. No licensee is currently using MOX fuel.

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

There are no known applications pending for the use of MOX fuel or current inspection activities related to MOX fuel.

3. What is an estimate of the level of effort needed to address identified issues in terms of full-time equivalent (FTE) and contractor resources?

None.

4. Based on the answers to the questions above, what is the staff action for this guide (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.

The staff concludes that the document is acceptable as is.

Note: This review was conducted in September 2015 and reflects the staff's plans as of that date. These plans are tentative and subject to change