

Regulatory Guide Periodic Review

Regulatory Guide Number: 3.60, Revision 0

Title: Design of an Independent Spent Fuel Storage Installation (Dry Storage)

Office/Division/Branch: NMSS/DSFM/SFLB

Technical Lead: John McKirgan

Recommended Staff Action: Reviewed with issues identified for future consideration

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

This RG was issued in 1987 to provide guidance in the design of a dry storage based on requirements of Title 10 of the *Code of Federal Regulations* Part 72, "Licensing Requirements for the Storage of Spent Fuel in an Independent Spent Fuel Storage Installation (ISFSI). The RG establishes a number of regulatory positions with respect to certain sections of the American National Standards Institute/American Nuclear Society (ANS) 57.9, "Design of Spent Fuel Storage Installations."

This RG may benefit from being updated to reference more current standards.

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?

The staff is not anticipating new licensing actions that would benefit from this RG update. Applications of ISFSIs will be reviewed on a case by case basis. The impact on NRC licensing and inspection activities will be minimal as the expenditure of marginally additional resources by the regulators and the applicants to reference newer standards for the technical reviews.

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

The estimate level of effort needed to address the identified issues is between 0.2 and 0.4 FTE.

4. Based on the answers to the questions above, what is the recommended staff action for this RG (Revise, Review, Administrative Change, or Withdraw)?

Reviewed with issues identified for future consideration.

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

This RG should be reviewed during the next periodic update.

NOTE: This review was conducted in May 2018 and reflects the NRC staff plans as of that date. These plans are tentative and are subject to change.