

Regulatory Guide Periodic Review

Regulatory Guide Number: 5.54, Revision 1

Title: Standard Format and Content of Safeguards Contingency Plans for Nuclear Power Plants (SGI)

Office/Division/Branch: NSIR/DPCP/RSB

Technical Lead: Wellington Tejada

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)?

The U.S. Nuclear Regulatory Commission issued Revision 1 to RG 5.54 in June 2009. RG 5.54 provides guidance to power reactor licensees regarding the measures and methods that the staff considers acceptable for developing, implementing, and maintaining the safeguards contingency plans required by Title 10 of the *Code of Federal Regulations* (10 CFR) 73.55(c)(5) and appendix C to 10 CFR Part 73.

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?

Provided that the industry uses an endorsed version of Nuclear Energy Institute guidance document 03-12 or Revision 1 to RG 5.54, the staff anticipates no impacts for internal or external stakeholders if Revision 1 to RG 5.54 is not updated.

During the next several years, the staff does not anticipate any licensing or inspection activities that would require an associated update(s) to Revision 1 to RG 5.54.

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?

Since no issues were identified, the staff requires no resources.

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.

Since no issues were identified, no plans are needed.

Note: This review was conducted in April 2024 and reflects the staff's plans as of that date. These plans are tentative and subject to change.