

Regulatory Guide Periodic Review

Regulatory Guide Number: **5.76**

Title: **Physical Protection Programs at Nuclear Power Reactors**

Office/division/branch: **NSIR/DSP/SPSB**
Technical Lead: **James Vaughn**

Recommended Staff Action: **Revise**

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

Regulatory Guide (RG) 5.76, Initial Issuance, "Physical Protection Programs at Nuclear Power Reactors," issued in July 2009, provides approaches determined to be acceptable for meeting the requirements of 10 CFR Part 73, "Physical Protection of Plants and Materials" and Section 73.55, "Requirement for Physical Protection of Licensed Activities in Nuclear Power Reactors against Radiological Sabotage." Those requirements state that each licensee shall account for site-specific conditions in the design and implementation of the onsite physical protection program and maintain the onsite physical protection program through the implementation of security plans and written security implementing procedures. Since the initial publication of RG 5.76, the NRC has gained insights from lessons learned and operating experience, including Security Frequently Asked Questions (SFAQs) and Reports on Interaction, as well as identified new information from other NRC documents and consensus standards that should be incorporated. As a result, the current version of the RG does not address those insights gained since the initial issuance or include the most up-to-date references or consensus 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?

Approximately 60 licensing activities per year (e.g., change requests, new reactor license reviews) involve the use of RG 5.76. Not updating the RG would impact internal and external stakeholders by failing to integrate any approaches the staff has found acceptable since July 2009. In addition, not updating this RG would make it more difficult for stakeholders to identify and use current reference documents and consensus standards.

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?

NRC staff requires approximately .1 FTE to complete the review and update of the regulatory guide. 200 hours of contractor support in FY 15 is anticipated to complete the technical evaluation and comment disposition.

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)?**

Revise

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

The staff plans to develop a draft guide by the first quarter of CY 2015, and issue it for public comment by the second quarter of CY 2015.

NOTE: This review was conducted in September 2014 and reflects the staff's plans as of that date. These plans are tentative and subject to change.