

**Regulatory Guide Periodic Review**

**Regulatory Guide Number: 3.12, Revision 1**

**Title: General Design Guide for Ventilation Systems of Plutonium Processing and Fuel Fabrication Plants**

**Office/Division/Branch: NMSS/FCSE/FMB**  
**Technical Lead: Tyrone Naquin**

**Staff Action Decided: 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)?**

RG 3.12, which dates to December 2010, describes acceptable processes for complying with 10 CFR Part 70, "Domestic Licensing of Special Nuclear Material," regarding the design of ventilation systems for plutonium processing and fuel fabrication plants.

There are no technical or regulatory issues with the current version of this RG since the processes discussed in the RG are consistent with current regulatory methods and need not be modified. However, one of the references cited in the RG is not the latest version of the document. The changes in the most recent version are not significant.

**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 is not impact since there are no known technical or regulatory issues.

**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?**

Not applicable. Since there are no technical or regulatory issues with the current version of the RG, the level of effort is 0 FTE and 0 contract dollars.

**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 issues identified for future consideration.

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

Not applicable.

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