

## Regulatory Guide Periodic Review

Regulatory Guide Number: **4.16, Revision 2**

Title: **Monitoring and Reporting Radioactive Materials in Liquid and Gaseous Effluents from Nuclear Fuel Cycle Facilities**

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

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)?**

This RG was originally published in March 1978. It was first revised in December 1985 (Revision 1) and again in 2010 (Revision 2) and there are no technical or regulatory issues with the current version of this RG.

It should be noted that one of the references cited in the guide, ANSI/HPS N13.1, "Sampling and Monitoring Releases of Airborne Radioactive Substances from the Stacks and Ducts of Nuclear Facilities," was superseded in 2011. However, the update does not affect the technical content of the RG. Also, the reference to ANSI/ASQ E4-2004, "Quality Systems for Environmental Data and Technology Programs," for quality assurance and quality control guidance is still current.

**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 no 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 no issues identified.

**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.**