

### Regulatory Guide Periodic Review

Regulatory Guide Number: **4.1, Revision 2**

Title: **Radiological Environmental Monitoring For Nuclear Power Plants**

Office/division/branch: **NRR/DRA/ARCB**  
Technical Lead: **Steve Garry**

Recommended Staff Action: **Reviewed issues identified for future consideration**

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

Revision 2 of RG 4.1 dates to September 2009 and the guidance continues to be applicable for radiological environmental monitoring of nuclear power plants. The only issues to be addressed in the future are minor editorial ones in Section A, Introduction, and Section D, Implementation, to bring the RG into conformance with the current RG format. These issues are minor and do not warrant revision of the RG at this time.

**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 are no new large power reactor license applications anticipated in the near future (next 3 to 5 years). Thus, there is no immediate need for revising the guide at this time to address their licensing. For small modular reactors at least one application is anticipated in the next two years.

**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?**

To address the minor editorial issues would take about 0.1 FTE.

**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 issues identified for future consideration.

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

N/A

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