

## Regulatory Guide Periodic Review

**Regulatory Guide Number:** 8.9, Revision 1

**Title:** Interpretation of Bioassay Measurements For Estimates of Intake

**Office/division/branch:** RES/DSA/RPB

**Technical Lead:** Casper Sun

**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)?**

RG 8.9, Revision 1, was issued in 1993 to provide methods acceptable to the NRC staff for estimating intake of radionuclides using bioassay measurements pursuant to 10 CFR 20.1502, "Conditions requiring individual monitoring of external and internal occupational dose," 10 CFR 20.1204(c)(1), "Determination of internal exposure," and 10 CFR 20.1703(a)(3)(ii), "Use of individual respiratory protection equipment."

No technical or regulatory issues were identified as a result of this review. The guide is consistent with the current regulations and their corresponding citations.

**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?**

None.

**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.

**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 May 2017 and reflects the staff's plans as of that date. These plans are tentative and are subject to change.**