Regulatory Guide Periodic Review

Regulatory Guide Number:	**8.22, Revision 2**
Title:	**Bioassay at Uranium Mills**
Office/division/branch:	**RES/DSA/RPB** **NMSS/DUWP/URMDB**
Technical Lead:	**Casper Sun** **Linda Gersey**
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 8.22, Revision 2, issued in May 2014, provides guidance for uranium bioassay methods for estimating uranium intake at the uranium milling workplaces and associated fuel production facilities. These methods are in accordance with 10 CFR 20.1502, "Conditions requiring individual monitoring of external and internal occupational dose," as well as the radiation protection and monitoring requirements outlined in 10 CFR 20.1204(c)(1), "Determination of internal exposure," and 10 CFR 20.1703(a)(3)(ii), "Use of individual respiratory protection equipment."

This is the first 10-year periodic review for RG 8.22 and no technical or regulatory issues were identified during this review. The guidance in this RG remains consistent with the current bioassay method, regulations, and corresponding citations.

2. What is the impact on internal and external stakeholders of <u>not</u> 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 and completed in May 2024 and reflects the staff's plans as of that date. These plans are tentative and are subject to change.