

Regulatory Guide Periodic Review

Regulatory Guide Number: 4.14, Revision 1

Title: Effluent and Environmental Monitoring at Uranium Recovery Facilities

Office/Division/Branch: NMSS/DUWP/URLB
Technical Lead: James Webb

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)?

This RG was issued in 1980 primarily for conventional mills. Since the publication of this guide the technology has changed to include in situ recovery and heap leach. Also, 10 CFR Part 20, "Standards for Protection Against Radiation," was revised in early 1990-1991 and the RG needs to reflect these changes. The staff is reviewing the environmental monitoring process and will update the RG accordingly.

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?

The RG provides outdated guidance that is not consistent with the current 10 CFR 20 and the staff has experienced licensing issues with new applications.

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?

The staff has the contractor resources to review the environmental monitoring process. Also, 0.2 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 with issues identified for future consideration.

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

As discussed in Management Directive (MD) 6.6, "Regulatory Guides," the NRC staff reviews RGs periodically to ensure that these guides continue to provide useful guidance. The staff will consider any new regulatory citation issues and the technical information that may need to be updated during the next periodic review of the guide.

NOTE: This review was conducted in September 2012 and reflects the staff's plans as of that date. These plans are tentative and subject to change.