

**NUCLEAR REGULATORY COMMISSION**

[NRC-2012-0057]

**Bioassay at Uranium Mills****AGENCY:** Nuclear Regulatory Commission.**ACTION:** Draft regulatory guide; request for comment.

**SUMMARY:** The U.S. Nuclear Regulatory Commission (NRC or the Commission) is issuing for public comment draft regulatory guide (DG), DG-8051, "Bioassay at Uranium Mills." This guide describes a bioassay program acceptable to the NRC staff for uranium mills and applicable portions of uranium conversion facilities where the possibility of exposure to yellowcake dust exists, including exposure conditions with and without the use of respiratory protection devices.

**DATES:** Submit comments by May 11, 2012. Comments received after this date will be considered if it is practical to do so, but the NRC is able to ensure consideration only for comments received on or before this date. Although a time limit is given, comments and suggestions in connection with items for inclusion in guides currently being developed or improvements in all published guides are encouraged at any time.

**ADDRESSES:** You may access information and comment submissions related to this document, which the NRC possesses and is publicly available, by searching on <http://www.regulations.gov> under Docket ID NRC-2012-0057. You may submit comments by the following methods:

- *Federal Rulemaking Web site:* Go to <http://www.regulations.gov> and search for Docket ID NRC-2012-0057. Address questions about NRC dockets to Carol Gallagher; telephone: 301-492-3668; email: [Carol.Gallagher@nrc.gov](mailto:Carol.Gallagher@nrc.gov).

- *Mail comments to:* Cindy Bladey, Chief, Rules, Announcements, and Directives Branch (RADB), Office of Administration, Mail Stop: TWB-05-B01M, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

- *Fax comments to:* RADB at 301-492-3446.

For additional direction on accessing information and submitting comments, see "Accessing Information and Submitting Comments" in the **SUPPLEMENTARY INFORMATION** section of this document.

**FOR FURTHER INFORMATION CONTACT:** R. A. Jervy, Office of Nuclear Regulatory Research, U.S. Nuclear Regulatory

Commission, Washington, DC 20555-0001; telephone: 301-251-7404; or email [Richard.Jervy@nrc.gov](mailto:Richard.Jervy@nrc.gov).

**SUPPLEMENTARY INFORMATION:****I. Accessing Information and Submitting Comments***A. Accessing Information*

Please refer to Docket ID NRC-2012-0057 when contacting the NRC about the availability of information regarding this document. You may access information related to this document, which the NRC possesses and is publicly available, by the following methods:

- *Federal Rulemaking Web Site:* Go to <http://www.regulations.gov> and search for Docket ID NRC-2012-0057.

- *NRC's Agencywide Documents Access and Management System (ADAMS):* You may access publicly available documents online in the NRC Library at <http://www.nrc.gov/reading-rm/adams.html>. To begin the search, select "ADAMS Public Documents" and then select "Begin Web-based ADAMS Search." For problems with ADAMS, please contact the NRC's Public Document Room (PDR) reference staff at 1-800-397-4209, 301-415-4737, or by email to [pdr.resource@nrc.gov](mailto:pdr.resource@nrc.gov). The draft regulatory guide is available under ADAMS accession No. ML110960333. The regulatory analysis may be found in ADAMS under accession No. ML110960341.

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**II. Further Information**

The NRC is issuing for public comment a draft guide in the agency's "Regulatory Guide" series. This series was developed to describe and make available to the public such information as methods that are acceptable to the NRC staff for implementing specific parts of the NRC's regulations, techniques that the staff uses in evaluating specific problems or postulated accidents, and data that the staff needs in its review of applications for permits and licenses.

The draft regulatory guide, entitled, "Bioassay at Uranium Mills," is temporarily identified by its task number, DG-8051, which should be mentioned in all related correspondence. DG-8051 is proposed Revision 2 of Regulatory Guide 8.22, previously revised in August 1988.

This guide is being updated to incorporate changes made in 10 CFR Part 20 since Regulatory Guide 8.22, Revision 1 was issued. Comments related to the operation of in-situ

recovery mills and associated considerations for bioassay are of particular interest.

Dated at Rockville, Maryland, this 6th day of March, 2012.

For the Nuclear Regulatory Commission.

**Thomas H. Boyce,**

*Chief, Regulatory Guide Development Branch, Division of Engineering, Office of Nuclear Regulatory Research.*

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**NUCLEAR REGULATORY COMMISSION****Advisory Committee on the Medical Uses of Isotopes: Meeting Notice**

**AGENCY:** U.S. Nuclear Regulatory Commission.

**ACTION:** Notice of meeting.

**SUMMARY:** NRC will convene a meeting of the Advisory Committee on the Medical Uses of Isotopes (ACMUI) on April 16-17, 2012. A sample of agenda items to be discussed during the public session includes: (1) Fundamental concepts in patient advocacy; (2) electronic signatures for documents that are required to be signed in accordance with U.S. Nuclear Regulatory Commission (NRC) regulations; (3) medical-related events from fiscal year 2011; (4) an update on proposed regulatory changes for Permanent Implant Brachytherapy programs; (5) the status of the Commission Paper on data collection for Patient Release; (6) a status update on 10 CFR Part 35 rulemaking; (7) medical use of radium-223 chloride; (8) an update on strontium breakthrough with rubidium-82 generators from NRC and FDA perspectives; and (9) half-life activity as a function of solar activity. The agenda is subject to change. The current agenda and any updates will be available at <http://www.nrc.gov/reading-rm/doc-collections/acmui/agenda> or by emailing Ms. Sophie Holiday at the contact information below.

*Purpose:* Discuss issues related to 10 CFR Part 35 Medical Use of Byproduct Material.

*Date and Time for Closed Session:* April 16, 2012, from 8 a.m. to 10:45 a.m. This session will be closed so that ACMUI members can prepare for an upcoming Commission briefing.

*Date and Time for Open Sessions:* April 16, 2012, from 10:45 a.m. to 5 p.m. and April 17, 2012, from 8 a.m. to 12:30 p.m.

*Address for Public Meeting:* U.S. Nuclear Regulatory Commission, Two White Flint North Building, Room T2-