

**NUCLEAR REGULATORY COMMISSION**

**Draft Regulatory Guide: Issuance, Availability**

**[NRC-2010-0114]**

**AGENCY:** Nuclear Regulatory Commission.

**ACTION:** Notice of Issuance and Availability of Draft Regulatory Guide, DG-8040, "Health Physics Surveys During Enriched Uranium-235 Processing and Fuel Fabrication."

**FOR FURTHER INFORMATION CONTACT:** Tyrone Naquin, U. S. Nuclear Regulatory Commission, Washington, DC 20555-0001, telephone: (301) 492-3187 or e-mail [Tyrone.Naquin@nrc.gov](mailto:Tyrone.Naquin@nrc.gov).

**SUPPLEMENTAL INFORMATION:**

**I. Introduction**

The U.S. Nuclear Regulatory Commission (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 (DG) is temporarily identified by its task number, DG-8040, which should be mentioned in all related correspondence. DG-8040 is proposed Revision 2 of Regulatory Guide 8.24, dated October 1979. This guide specifies the types and frequencies of surveys that are acceptable to the staff of the NRC for the protection of workers in plants

licensed by the NRC to process enriched uranium and fabricate uranium fuel.

Title 10, Section 20.1501(a), of the *Code of Federal Regulations* (10 CFR 20.1501(a)) requires that each licensee make or cause to be made such surveys as may be necessary for it to comply with the regulations in that part. As used in 10 CFR Part 20, "Standards for Protection Against Radiation," the term "survey" refers to an evaluation of the radiation hazards incident to the production, use, release, disposal, or presence of radioactive materials or other sources of radiation under a specific set of conditions.

This guide does not relate to the processing of uranium-233, nor does it deal specifically with the following aspects of an acceptable occupational health physics program that are closely related to surveys: (1) the number and qualification of the health physics staff, (2) instrumentation, including types, numbers of instruments, limitations of use, accuracy, and calibration, (3) personnel dosimetry, and (4) bioassay. Guidance on bioassay for uranium appears in Regulatory Guide 8.11, "Applications of Bioassay for Uranium."

## **II. Further Information**

The NRC staff is soliciting comments on DG-8040. Comments may be accompanied by relevant information or supporting data and should mention DG-8040 in the subject line. Comments submitted in writing or in electronic form will be made available to the public in their entirety through the NRC's Agencywide Documents Access and Management System (ADAMS).

Comments would be most helpful if received by May 3, 2010. Comments received after that 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 submit comments by any one of the following methods. Please include Docket ID **NRC-2010-0115** in the subject line of your comments. Comments submitted in writing or in electronic form will be posted on the NRC website and on the Federal rulemaking website Regulations.gov. Because your comments will not be edited to remove any identifying or contact information, the NRC cautions you against including any information in your submission that you do not want to be publicly disclosed.

The NRC requests that any party soliciting or aggregating comments received from other persons for submission to the NRC inform those persons that the NRC will not edit their comments to remove any identifying or contact information, and therefore, they should not include any information in their comments that they do not want publicly disclosed.

**Federal Rulemaking Website:** Go to <http://www.regulations.gov> and search for documents filed under Docket ID **NRC-2010-0115**. Address questions about NRC dockets to Carol Gallagher 301-492-3668; e-mail [Carol.Gallagher@nrc.gov](mailto:Carol.Gallagher@nrc.gov).

**Mail comments to:** Michael T. Lesar, Chief, Rulemaking and Directives Branch (RDB), Office of Administration, Mail Stop: TWB-05-B01M, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by fax to RDB at (301) 492-3446.

You can access publicly available documents related to this notice using the following methods:

**NRC's Public Document Room (PDR):** The public may examine and have copied for a fee publicly available documents at the NRC's PDR, Room O1 F21, One White Flint North, 11555 Rockville Pike, Rockville, Maryland.

**NRC's Agencywide Documents Access and Management System (ADAMS):** Publicly available documents created or received at the NRC are available electronically at the NRC's Electronic Reading Room at <http://www.nrc.gov/reading-rm/adams.html>. From this page,

the public can gain entry into ADAMS, which provides text and image files of NRC's public documents. If you do not have access to ADAMS or if there are problems in accessing the documents located in ADAMS, contact the NRC's PDR reference staff at 1-800-397-4209, 301-415-4737, or by e-mail to [pdr.resource@nrc.gov](mailto:pdr.resource@nrc.gov). DG-8040 is available electronically under ADAMS Accession Number ML092150040. In addition, electronic copies of DG-8040 are available through the NRC's public Web site under Draft Regulatory Guides in the "Regulatory Guides" collection of the NRC's Electronic Reading Room at <http://www.nrc.gov/reading-rm/doc-collections/>

**Federal Rulemaking Website:** Public comments and supporting materials related to this notice can be found at <http://www.regulations.gov> by searching on Docket ID: **NRC-2010-0115**.

Regulatory guides are not copyrighted, and Commission approval is not required to reproduce them.

Dated at Rockville, Maryland, this 10<sup>th</sup> day of March, 2010.

For the Nuclear Regulatory Commission.

**/RA/**

Andrea D. Valentin, Chief,  
Regulatory Guide Development Branch,  
Division of Engineering,  
Office of Nuclear Regulatory Research.