



# REGULATORY GUIDE

OFFICE OF NUCLEAR REGULATORY RESEARCH

## REGULATORY GUIDE 10.6

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### GUIDE FOR THE PREPARATION OF APPLICATIONS FOR AN INDUSTRIAL RADIOGRAPHY LICENSE

#### A. INTRODUCTION

This guide directs the reader to the type of information needed by the U.S. Nuclear Regulatory Commission (NRC) staff to evaluate an application for an industrial radiography (radiography) license. The term “radiography” as used in this guide means an examination of the structure of materials by nondestructive methods using ionizing radiation from gamma-emitting byproduct materials (radioisotopes) to produce radiographic images. This guide does not address the research and development of radiography devices or associated equipment, or the commercial aspects of manufacturing, distributing, and servicing such devices and equipment.

The regulatory framework that the NRC has established for radiography includes Title 10, Part 30, “Rules of General Applicability to Domestic Licensing of Byproduct Material,” of the *Code of Federal Regulations* (10 CFR Part 30) (Ref. 1); 10 CFR Part 34, “Licenses for Industrial Radiography and Radiation Safety Requirements for Industrial Radiographic Operations” (Ref. 2); and NRC Form 313, “Application for Materials License.”

This regulatory guide endorses the methods and procedures contained in the current revision of NUREG-1556, Volume 2, “Consolidated Guidance about Material Licenses: Program-Specific Guidance about Industrial Radiography Licenses” (Ref. 3), as a process that the NRC staff finds acceptable for meeting the regulatory requirements and providing the criteria for evaluating a radiography license application.

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The NRC issues regulatory guides to describe and make available to the public methods that the NRC staff considers acceptable for use in implementing specific parts of the agency’s regulations, techniques that the staff uses in evaluating specific problems or postulated accidents, and data that the staff needs in reviewing applications for permits and licenses. Regulatory guides are not substitutes for regulations, and compliance with them is not required. Methods and solutions that differ from those set forth in regulatory guides will be deemed acceptable if they provide a basis for the findings required for the issuance or continuance of a permit or license by the Commission.

This guide was issued after consideration of comments received from the public.

Regulatory guides are issued in 10 broad divisions—1, Power Reactors; 2, Research and Test Reactors; 3, Fuels and Materials Facilities; 4, Environmental and Siting; 5, Materials and Plant Protection; 6, Products; 7, Transportation; 8, Occupational Health; 9, Antitrust and Financial Review; and 10, General.

Electronic copies of this guide and other recently issued guides are available through the NRC’s public Web site under the Regulatory Guides document collection of the NRC’s Electronic Reading Room at <http://www.nrc.gov/reading-rm/doc-collections/> and through the NRC’s Agencywide Documents Access and Management System (ADAMS) at <http://www.nrc.gov/reading-rm/adams.html>, under Accession No. ML081140599.

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This regulatory guide contains information collection requirements covered by 10 CFR Parts 30 and 34 and NRC Form 313 that the Office of Management and Budget (OMB) approved under OMB control numbers 3150-0017, 3150-0007, and 3150-0120, respectively. The NRC may neither conduct nor sponsor, and a person is not required to respond to, an information collection request or requirement unless the requesting document displays a currently valid OMB control number.

## **B. DISCUSSION**

As part of its redesign of the materials licensing program, the NRC consolidated and updated numerous guidance documents for material licenses into the multivolume NUREG-1556. Various volumes in the NUREG-1556 series provide current, program-specific guidance on testing, licensing, decommissioning, and terminating materials licenses.

Volume 2 of NUREG-1556 identifies the information needed to complete NRC Form 313 for industrial radiography. It contains appendices that include (1) copies of necessary forms, (2) sample applications and completed examples for different types of applications, and (3) examples of the types of supporting information, such as implementing procedures that the applicant may need to prepare. The NRC is placing added emphasis on conducting its regulatory activities in a risk-informed and performance-based manner. This approach is intended to be less prescriptive and to allow licensees the flexibility to implement the agency's regulations in a manner that is more specific to their needs yet still meets the regulatory requirements. By supplying examples, the NRC seeks to provide information to meet the needs of applicants for licensure without being prescriptive. Guidance in NUREG-1556 represents one means of complying with NRC regulations and is not intended to be the only means of satisfying the regulatory requirements.

## **C. REGULATORY POSITION**

This regulatory guide endorses the method described in the current revision of NUREG-1556, Volume 2, as a process that the NRC has found to be acceptable guidance on how to prepare an application for an industrial radiography license.

## **D. IMPLEMENTATION**

The purpose of this section is to provide information to applicants and licensees regarding the NRC's plans for using this regulatory guide. The NRC does not intend or approve any imposition or backfit in connection with its issuance.

In some cases, applicants or licensees may propose or use a previously established acceptable alternative method for complying with specified portions of the NRC's regulations. Otherwise, the methods described in this guide will be used in evaluating compliance with the applicable regulations for license applications, license amendment applications, and amendment requests.

## REFERENCES

1. 10 CFR Part 30, "Rules of General Applicability to Domestic Licensing of Byproduct Material," U.S. Nuclear Regulatory Commission, Washington, DC.<sup>1</sup>
2. 10 CFR Part 34, "Licenses for Industrial Radiography and Radiation Safety Requirements for Industrial Radiographic Operations," U.S. Nuclear Regulatory Commission, Washington, DC.
3. NUREG-1556, Volume 2, "Consolidated Guidance about Material Licenses: Program-Specific Guidance about Industrial Radiography Licenses," U.S. Nuclear Regulatory Commission, Washington DC, most current date and revision.<sup>2</sup> (<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/>)

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<sup>1</sup> All NRC regulations listed herein are available electronically through the Electronic Reading Room on the NRC's public Web site, at <http://www.nrc.gov/reading-rm/doc-collections/cfr/>. Copies are also available for inspection or copying for a fee from the NRC's Public Document Room (PDR) at 11555 Rockville Pike, Rockville, MD; the mailing address is USNRC PDR, Washington, DC 20555; telephone (301) 415-4737 or (800) 397-4209; fax (301) 415-3548; and email [PDR@nrc.gov](mailto:PDR@nrc.gov).

<sup>2</sup> The multivolume NUREG-series report listed herein was published by the U.S. Nuclear Regulatory Commission. These volumes are available electronically through the Electronic Reading Room on the NRC's public Web site, at <http://www.nrc.gov/reading-rm/doc-collections/nuregs/>. Copies are also available for inspection or copying for a fee from the NRC's Public Document Room (PDR) at 11555 Rockville Pike, Rockville, MD; the mailing address is USNRC PDR, Washington, DC 20555; telephone (301) 415-4737 or (800) 397-4209; fax (301) 415-3548; and email [PDR@nrc.gov](mailto:PDR@nrc.gov). In addition, copies are available at current rates from the U.S. Government Printing Office, P.O. Box 37082, Washington, DC 20402-9328, telephone (202) 512-1800; or from the National Technical Information Service (NTIS), at 5285 Port Royal Road, Springfield, VA 22161, online at <http://www.ntis.gov>, by telephone at (800) 553-NTIS (6847) or (703) 605-6000, or by fax to (703) 605-6900.