



REGULATORY GUIDE

OFFICE OF NUCLEAR REGULATORY RESEARCH

REGULATORY GUIDE 3.25

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STANDARD FORMAT AND CONTENT OF SAFETY ANALYSIS REPORTS FOR URANIUM ENRICHMENT FACILITIES

A. INTRODUCTION

This regulatory guide directs the reader to the type of information acceptable to the U.S. Nuclear Regulatory Commission (NRC) staff for review of a safety analysis report (SAR) for uranium enrichment facilities. The SAR may be a separate report submitted as part of the application or may be integrated into the license application. This guide also refers the reader to documentation on the standard format and content of SARs and related documents submitted as part of an application to construct or modify and operate a nuclear fuel cycle facility. Title 10, Part 70, “Domestic Licensing of Special Nuclear Material,” Subpart H, “Additional Requirements for Certain Licensees Authorized to Possess a Critical Mass of Special Nuclear Material,” of the Code of Federal Regulations (10 CFR Part 70, Subpart H) (Ref. 1) identifies risk-informed performance requirements and requires applicants to complete an integrated safety analysis (ISA) and submit an ISA summary and other information to the NRC for approval.

This regulatory guide endorses the standard format and content for SARs and ISA summaries described in the current version of NUREG-1520, “Standard Review Plan for the Review of a License Application for a Fuel Cycle Facility” (Ref. 2), as a process that the NRC staff finds acceptable for meeting the regulatory requirements.

The NRC issues regulatory guides to describe to the public methods that the staff considers acceptable for use in implementing specific parts of the agency’s regulations, to explain techniques that the staff uses in evaluating specific problems or postulated accidents, and to provide guidance to applicants. Regulatory guides are not substitutes for regulations and compliance with them is not required.

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. ML082690559.

This regulatory guide contains information collection requirements covered by 10 CFR Part 70 that the Office of Management and Budget (OMB) approved under OMB control number 3150-0009. 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 guidance documents for fuel cycle facilities license applications in NUREG 1520. Various chapters of NUREG 1520 provide current, program-specific guidance and review procedures for facility and site descriptions, ISA and ISA summaries, environmental protection, and management measures.

C. REGULATORY POSITION

This regulatory guide endorses the standard format and content for a SAR or ISA Summary for a uranium enrichment facility described in the current version of NUREG 1520 as a process the NRC has found acceptable for meeting the regulatory requirements.

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 70, “Domestic Licensing of Special Nuclear Material,” Subpart H, “Additional Requirements for Certain Licensees Authorized to Possess a Critical Mass of Special Nuclear Material,” of the *Code of Federal Regulations* (10 CFR Part 70, Subpart H), U.S. Nuclear Regulatory Commission, Washington, DC.
2. NUREG-1520, “Standard Review Plan for the Review of a License Application for a Fuel Cycle Facility,” U.S. Nuclear Regulatory Commission, Washington, DC.