



U.S. ATOMIC ENERGY COMMISSION

REGULATORY GUIDE

DIRECTORATE OF REGULATORY STANDARDS

*Rec'd June 1992
Replaced this
May 1973*

REGULATORY GUIDE 8.7

OCCUPATIONAL RADIATION EXPOSURE RECORDS SYSTEMS

A. INTRODUCTION

Section 20.401 of 10 CFR Part 20, "Standards for Protection Against Radiation", requires licensees to maintain records showing the radiation exposures of all individuals for whom personnel monitoring is required. This guide describes an acceptable program for the systematic generation and retention of records relating to occupational exposure.

B. DISCUSSION

The American Standards Association, Inc. (ASA) Subcommittee N2.2, Occupational Radiation Exposure Record System, prepared standard N2.2-1966 which covers records necessary to describe the occupational radiation exposure of individuals and the conditions under which the exposure may occur. This standard was approved by ASA on March 14, 1966, and has since been reaffirmed and redesignated ANSI N13.6-1966 (R1972)¹ by the American National Standards Institute, Inc.

¹Copies may be obtained from the American National Standards Institute, Inc., 1430 Broadway, New York, N.Y. 10018.

C. REGULATORY POSITION

Occupational radiation exposure records systems meeting the recommendations set forth in ANSI N13.6-1966 (R1972), "American National Standard Practice for Occupational Radiation Exposure Records Systems," are generally acceptable and provide an adequate basis for complying with the pertinent record-keeping requirements of 10 CFR Part 20, subject to the following:

1. Radiation exposure records must be maintained in accordance with the requirements of § 20.401 of 10 CFR Part 20.
2. "Bioassay" is defined to mean the determination of kinds, amounts or concentrations, and locations of radioactive materials in the human body, whether by direct measurement (in vivo counting) or by analysis and evaluation of materials excreted or removed from the human body.

USAEC REGULATORY GUIDES

Regulatory Guides are issued to describe and make available to the public methods acceptable to the AEC Regulatory staff of implementing specific parts of the Commission's regulations, to delineate techniques used by the staff in evaluating specific problems or postulated accidents, or to provide guidance to applicants. Regulatory Guides are not substitutes for regulations and compliance with them is not required. Methods and solutions different from those set out in the guides will be acceptable if they provide a basis for the findings requisite to the issuance or continuance of a permit or license by the Commission.

Published guides will be revised periodically, as appropriate, to accommodate comments and to reflect new information or experience.

Copies of published guides may be obtained by request indicating the divisions desired to the U.S. Atomic Energy Commission, Washington, D.C. 20545, Attention: Director of Regulatory Standards. Comments and suggestions for improvements in these guides are encouraged and should be sent to the Secretary of the Commission, U.S. Atomic Energy Commission, Washington, D.C. 20545, Attention: Chief, Public Proceedings Staff.

The guides are issued in the following ten broad divisions:

- | | |
|-----------------------------------|------------------------|
| 1. Power Reactors | 6. Products |
| 2. Research and Test Reactors | 7. Transportation |
| 3. Fuels and Materials Facilities | 8. Occupational Health |
| 4. Environmental and Siting | 9. Antitrust Review |
| 5. Materials and Plant Protection | 10. General |