



U.S. ATOMIC ENERGY COMMISSION

REGULATORY GUIDE

DIRECTORATE OF REGULATORY STANDARDS

REGULATORY GUIDE 8.2

GUIDE FOR ADMINISTRATIVE PRACTICES IN RADIATION MONITORING

A. INTRODUCTION

The Atomic Energy Commission's "Standards for Protection Against Radiation," 10 CFR Part 20, requires each licensee to make, or cause to be made, surveys to evaluate radiation hazards (§20.201), and to supply and require the use of appropriate personnel monitoring equipment (§20.202). Part 20 also sets limits on the exposure of individuals to radiation (§§20.101-20.105) and on the release of radioactive effluents in unrestricted areas (§20.106) and prescribes procedures for the disposal of radioactive wastes (§§20.301-20.305). Section 20.401 requires each licensee to maintain records of surveys, waste disposals, and the radiation exposures of all individuals for whom personnel monitoring was required under §20.202. This guide provides general information on radiation monitoring programs for administrative personnel.

B. DISCUSSION

Providing for safety in the use of radioactive materials and radiation is a management responsibility. In order to fulfill this responsibility, it is important that management personnel recognize that radiation monitoring is an important element in the overall requirements for radiation protection, and that they be provided guidance in the requirements for effective radiation monitoring.

The United States of America Standards Institute Subcommittee N2.6, Administrative Practices in

Radiation Monitoring, prepared standard N13.2-1969¹ which was approved by the United States of America Standards Institute on February 7, 1969. The standard is intended primarily for administrative and management personnel in organizations that are involved in, or are planning to initiate, activities involving radioactive materials or radiation. It includes general information on monitoring programs as well as specific guidance for certain types of operations. In many cases references have been added to provide sources of more specific information.

C. REGULATORY POSITION

The standard ANSI N13.2-1969, "Guide for Administrative Practices in Radiation Monitoring," provides acceptable general guidance as to monitoring programs and indicates that the services of qualified experts should be obtained during the early planning stages or engineering phase of any new installation, as well as during operation, in order to provide an adequate radiation monitoring program, subject to the following:

1. In all cases radiation monitoring and control practices should be such that resultant radiation exposures and releases of radioactive materials in effluents to unrestricted areas are maintained as low as practicable.

2. Records of surveys, radiation monitoring, and disposal must be maintained in accordance with the requirements of §20.401 of 10 CFR Part 20.

¹ The United States of America Standards Institute became the American National Standards Institute, Inc., in 1969. Copies of N13.2-1969 may be obtained from the American National Standards Institute, Inc., 1430 Broadway, New York, New York 10018.

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 | 8. 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 |

00373