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ARH-SA-276

THE ARGONNE CENTER FOR EDUCATIONAL AFFAIRS
THE ROLE OF GUARD FORCES IN MATERIALS AND PLANT PROTECTION
ACCESS CONTROLS

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PREPARED FOR THE U.S. ENERGY RESEARCH AND DEVELOPMENT
ADMINISTRATION UNDER CONTRACT E (45-1) 2130

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INTRODUCTION

The material being presented in this discussion is taken from the following Federal requirements:

1. Nuclear Regulatory Guide
5.7, 5.12 and 5.20
2. Energy Research and Development Administration Manual
Chapters 2401 and 2405
3. Code of Federal Regulations CFR 10
Parts 70 and 73

No discussions of classified procedures, equipment or buildings will be made nor will any classified information be discussed.

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ACCESS CONTROLS

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I. INTRODUCTION

A. Historical Aspects

1. Receptionist
2. Watchman
3. Industrial Security Guard (unarmed)
4. Employee Badge
5. Armed Security Guards

II. DEFINITIONS

1. Guard
2. Watchman
3. Patrol Watchman
4. Access Control

III. FEDERAL GUIDES AND REQUIREMENTS

1. Nuclear Regulatory Commission
Regulatory Guide 5.7
2. Energy Research and Development Administration (ERDA)
Chapter 2401, 2405

3. Code of Federal Regulations
10 CFR:

- a. Part 70, Special Nuclear Material
- b. Part 73, Physical Protection of Special Nuclear Material

IV. DISCUSSION

A. Protected Areas

1. Physical Barriers

- a. Fences
- b. Walls
- c. Buildings
- d. Points of Ingress/Egress
- e. Doors
- f. Windows
- g. Unattended Openings
- h. Locks

2. Isolation Zones

B. Material Access Areas

1. Physical Barriers

- a. Walls
- b. Buildings
- c. Points of Ingress/Egress
- d. Doors
- e. Windows
- f. Unattended Openings
- g. Locks

V. ACCESS CONTROLS

A. Protected Areas

1. Identity/Authorization (Badges, Clearances)
2. Personnel Search
3. Metal Detectors
4. Explosive Detectors
5. Alarm Communication
6. Alarm System

B. Material Access Area

1. Change Room
2. SNM Detector
3. Door Interlock
4. Search of Packages
5. Observation of Individuals
6. Alarms

C. Vaults

PROTECTED AREA

SECURE ACCESS PASSAGEWAY AT ENTRANCE TO PROTECTED AREA (ATTENDED)

PROTECTED AREA

SECURE ACCESS PASSAGEWAY INTO PROTECTED AREA (UNATTENDED)

PROTECTED AREA

SECURE ACCESS PASSAGEWAY BETWEEN CHANGE ROOMS