

American Nuclear Society

criteria for functional and physical characteristics
of radiological emergency response facilities

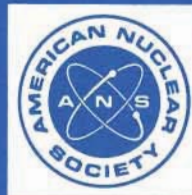
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**American National Standard
Criteria for Functional and Physical
Characteristics of Radiological
Emergency Response Facilities**

Secretariat
American Nuclear Society

Prepared by the
**American Nuclear Society
Standards Committee
Working Group ANS-3.8**

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Foreword

(This Foreword is not a part of American National Standard Criteria for Functional and Physical Characteristics of Radiological Emergency Response Facilities, ANSI/ANS-3.8.2-1995.)

Every nuclear power plant owner organization is required by federal regulations to have a detailed radiological emergency response plan. The plant operators are required to perform routine, abnormal, and emergency actions in a manner to reduce to the extent feasible the likelihood of any particular event developing into an emergency condition. An objective of sound operations is to prevent emergency conditions. The objective of an emergency response program is emergency mitigation. The plant operators are the key to emergency prevention and mitigation at all times.

If a situation arises which activates the radiological emergency response plan, the plant operators identify developing trends and take the appropriate action to prevent or mitigate a radiological release. The plant operators identify the need for emergency support, make initial contact with emergency response organizations, and activate the radiological emergency response plan. As the emergency develops, the administrative, notification, and coordinating functions are transferred from the plant operators to other individuals within the emergency organization as defined in the radiological emergency response plan. Regardless of the functions shifted from the plant operators to the emergency organization, the responsibility for placing the plant in a safe configuration remains with the plant operators.

The ANS-3.8 series of standards provides guidance to nuclear power plant utilities pertaining to radiological emergency response plan preparation based upon the experience of the licensed nuclear facilities. The American National Standards in this series are:

ANSI/ANS-3.8.1-1995 - Criteria for Radiological Emergency Response Functions and Organizations

ANSI/ANS-3.8.2-1995 - Criteria for Functional and Physical Characteristics of Radiological Emergency Response Facilities

ANSI/ANS-3.8.3-1995 - Criteria for Radiological Emergency Response Plans and Implementing Procedures

ANSI/ANS-3.8.4-1995 - Criteria for Maintaining Radiological Emergency Response Capability

ANSI/ANS-3.8.5-1992 - Criteria for Emergency Radiological Field Monitoring, Sampling, and Analysis

ANSI/ANS-3.8.6-1995 - Criteria for Conduct of Offsite Radiological Assessment for Emergency Response for Nuclear Power Plants

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