

ICS 27.120
CCS F 77



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 17680.3-2025

Replacing GB/T 17680.3-1999

**Criteria for emergency preparedness and response for nuclear
power plants - Part 3: Functional and physical characteristics of
off-site emergency facilities**

核电厂应急准备与响应准则 第3部分：场外应急设施功能与特性

Issued on: October 5, 2025

Implemented on: October 5, 2025

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

Table of Contents

1.Scope	1
2 Normative References	1
3.Terms and Definitions	1
4.General Requirements	1
5 Provincial-level nuclear emergency command centers	2
6 Forward Command Posts	3
7 Emergency evacuation routes	4
8.Stain removal and disinfection points	4
9 Emergency evacuation (assembly point)	5
10 Temporary emergency shelters 5 11 off-site emergency medical rescue points	6
12 Emergency Communication System	6
13 Monitoring Center	7
14 Evaluation Center	8
15 Public Information Center	8
8 References	10

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. This document is Part 3 of GB/T 17680.GB/T 17680 has the following parts published.

---Nuclear Power Plant Emergency Planning and Preparedness Guidelines Part

1.Delineation of Emergency Planning Zones;

---Nuclear Power Plant Emergency Preparedness and Response Guidelines Part

2.Off-site Emergency Organization and Functions;

---Nuclear Power Plant Emergency Preparedness and Response Guidelines Part

3.Functions and Characteristics of Off-site Emergency Facilities;

---Nuclear Power Plant Emergency Preparedness and Response Guidelines, Part

4.Off-site Nuclear Emergency Response Plans and Implementation Procedures;

---Nuclear Power Plant Emergency Planning and Preparedness Guidelines Part

5.Maintaining Off-Site Emergency Response Capabilities;

---Nuclear Power Plant Emergency Preparedness and Response Guidelines, Part

6.On-site Emergency Organization and Functions;

1 Scope

GB/T 17680.3-2025 is the Chinese national standard on criteria for emergency preparedness and response for nuclear power plants - part 3: functional and physical characteristics of off-site emergency facilities, in the field of energy and heat transfer engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 5 October 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 5 October 2025. Classification: ICS 27.120, CCS F 77. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the general requirements, functional positioning, characteristic requirements, system and equipment configuration of off-site emergency facilities for nuclear power plants. This document applies to off-site emergency response facilities for nuclear accidents in the province (autonomous region, or municipality) where the nuclear power plant is located. Other nuclear facilities requiring off-site emergency response... Implement with reference to this.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 17680.11 Nuclear Power Plant Emergency Preparedness and Response Guidelines Part

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 emergency facilities Emergency response sites, systems, and equipment are set up in

accordance with the principle of positive compatibility and relevant regulations.

3.2 In the event of an emergency at a nuclear power plant, information is transmitted using communication methods. Note

1. Emergency communication is a fundamental means of organizing and commanding nuclear accident response. Note

2. Emergency communications must be rapid, accurate, and uninterrupted, and confidentiality must be maintained when necessary.

3.3 Monitoring conducted in the event of an emergency at a nuclear power plant to determine the level of radioactive contamination and radiation in the environment.

4 General Requirements

4.1 Meet nuclear emergency response requirements Off-site emergency facilities should meet the needs of nuclear emergency response, be coordinated with off-site nuclear emergency arrangements, and facilitate the implementation of nuclear emergency response actions.

11 Off-site Radiation Assessment During Emergency Response

GB/T 23809.2 Principles and requirements for the installation of emergency guidance systems - Part