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

GB/T 17680.4-2025

Replacing GB/T 17680.4-1999

**Criteria for emergency preparedness and response for nuclear
power plants - Part 4: Off-site nuclear emergency plan and
implementing procedures**

核电厂应急准备与响应准则 第4部分：场外核应急预案与执行程序

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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 4 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 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 17680.4-2025 is the Chinese national standard covering the off-site emergency plan - the organisation and who declares what, the protective actions of sheltering, evacuation and iodine prophylaxis and the criteria for ordering each, the public warning, and the procedures the county actually executes. Part 4 of the series. It replaces GB/T 17680.4-1999 and is already in force. It was issued on 5 October 2025 and has been in force since 5 October 2025, replacing GB/T 17680.4-1999. The document is under the responsibility of the Standardization Administration of China. This page is published from the official record of the 2025 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the basic requirements for the preparation of off-site nuclear emergency response plans and their implementation procedures in the provinces (autonomous regions, municipalities) where nuclear power plants are located, as well as... Format and content. This document applies to off-site nuclear emergency preparedness and response in the province (autonomous region, municipality) where the nuclear power plant is located, and to other nuclear facilities requiring off-site emergency response. For reference only.

2 Normative references

This document has no normative references.

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 emergency plan It describes the work objectives, policies, and response philosophy of emergency response, as well as the organizations and functions for conducting a systematic, coordinated, and effective response. Responsibility, and the approved documents.

Note. This must be implemented through specific emergency execution procedures.

3.2 Provide a detailed description of the set of prescriptive documents upon which actions are based during emergency preparedness and response.

3.3 Measures taken during an emergency to avoid or reduce the dose that staff and the public may receive.

3.4 Iodine protection (iodine prophylaxis) In cases where an accident has resulted in or may result in the release of radioactive isotopes of iodine, compounds containing

non-radioactive iodine (stable iodine) will be disposed of. The drug was distributed to residents as a protective medication to reduce the radiation dose to the thyroid gland.

Note. One of the emergency protection measures.

3.5 concealed sheltering Personnel should remain indoors, close doors and windows, and disable ventilation systems to reduce the inhalation of radioactive materials from passing plumes of smoke. And external radiation dose, also in order to reduce external radiation dose from radioactive deposits.

Note. One of the emergency protection measures.