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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 16124-2025

Replacing GB/T 16124-1995

Technical specification for environmental health impact assessment of water conservancy and hydropower project

水利水电工程环境健康影响评价技术规范

Issued on: August 1, 2025 **Implemented on: February 1, 2026**

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1.Structure and drafting rules for standardization documents" Drafting. This document replaces GB/T 16124-1995 "Technical Specification for Medical Evaluation of Environmental Impacts of Water Conservancy and Hydropower Projects" and GB/T 16124-Compared with.1995, in addition to structural adjustments and editorial changes, the technical changes are as follows:

--- Changed the evaluation principles (see Chapter 4,

3.5 of the.1995 edition);

--- Changed the general requirements (see Chapter 5, Chapter 3 of the.1995 edition);

--- Added the steps for establishing the evaluation plan (see Chapter 6);

--- Changed the content of the current situation investigation (see 7.2,

4.2 of the.1995 edition) and the current situation investigation method (see 7.3,

4.3 of the.1995 edition);

--- Added current status evaluation requirements (see 8.1);

--- Changed the current status evaluation indicators (see 8.3,

5.1 of the.1995 edition) and the current status evaluation methods (see 8.4,

5.2 of the.1995 edition);

--- Changed the prediction evaluation method (see 9.2,

1 Scope

GB/T 16124-2025 is the Chinese national standard on technical specification for environmental health impact assessment of water conservancy and hydropower project, in the field of environment and health protection, safety. 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 1 August 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 February 2026. Classification: ICS 13.040.30, CCS C 52. 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 overall requirements and contents of environmental health impact assessment for water conservancy and hydropower projects, and describes the assessment and prediction methods. This document is applicable to the health impact of large and medium-sized water conservancy and hydropower projects such as flood control, water supply, and power generation during the feasibility study stage of new, modified, and expanded projects. Small water conservancy and hydropower projects shall be implemented as a reference.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB 3838 Surface Water Environmental Quality Standard

GB 5749 Sanitary Standard for Drinking Water

GB/T 5750 (all parts) Standard test methods for drinking water

GB/T 14848 Groundwater Quality Standard

GB 15618 Soil Environmental Quality Agricultural Land Soil Pollution Risk Control Standard (Trial Implementation)

GB 16883 Determination of natural foci of plague and epidemics of animal plague

GB/T 23795 Method for monitoring density of disease vectors - Cockroaches

GB/T 23796 Methods for monitoring density of disease vectors - Flies

GB/T 23797 Methods for monitoring density of disease vectors - Mosquitoes

GB/T 23798 Methods for monitoring density of disease vectors - Rodents

GB/T 27770 Density control level of disease vectors (rodents)

GB/T 27771 Density control level of disease vectors - mosquitoes

GB/T 27772 Density control levels of disease vectors - flies

3 Terms and Definitions

The following terms and definitions apply to this document.