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

GB/T 46425-2025

**Technical specification for ecological restoration of coal
gangue piles**

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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. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed by the China National Coal Association. This document is under the jurisdiction of the National Coal Standardization Technical Committee (SAC/TC42). This document was drafted by: China University of Mining and Technology, Chongqing Institute of Geology and Mineral Resources, China University of Mining and Technology (Beijing), and Chongqing Huadi Resources and Environment Technology Co., Ltd. Limited Company, Shandong Lunan Geological Engineering Survey Institute (Second Geological Team of Shandong Provincial Bureau of Geology and Mineral Resources Exploration and Development), Ping An Coal Mining Engineering Technology Technology Research Institute Co., Ltd., China Geological Environment Monitoring Institute, China Coal Tianjin Design & Engineering Co., Ltd., Inner Mongolia Huangtaolegai Coal Mine Limited Liability Company. The main drafters of this document are. Hu Zhenqi, Ma Lei, Mao Zhen, Li Manyi, Zhao Yanling, Lu Xiaohai, Chen Hongnian, Xu Yanfei, Si Hongtao, and Song Gang. Zhang Mingpeng, Wang Yi, Zhao Ping, Feng Fan, Bo Huaizhi, Liao Qingfa, Bai Guangyu, Li Dahai, Zhu Dongxue, Yang Zhiyu, Zheng Guodong, Cao Yinnan, Li Bing Jia Mengchao, Qiao Wen, Hu Lin, Bai Bo, Xu Zhaolei. Technical Specifications for Ecological Restoration of Coal Gangue Hills

1 Scope

GB/T 46425-2025 is the Chinese national standard covering restoring a spoil heap - the spontaneous combustion that has to be extinguished and prevented first, the reshaping and

the covering layer, the acid drainage and the leachate, the species that will grow on such a substrate, and the monitoring afterwards. Burning gangue heaps are a large and persistent source of emissions in the Chinese coalfields. First edition, under the China National Coal Association. In force from 1 February 2026. Issued on 5 October 2025, it has been in force since 1 February 2026.

This document specifies the general principles, workflow, investigation and evaluation, ecological restoration engineering design, and main technical requirements for the ecological restoration of coal gangue piles. Requirements such as requirements for monitoring and maintenance. This document applies to the ecological restoration of coal gangue piles; other similar mine solid waste dumps should be restored using this document as a reference.

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 214 Determination of Total Sulfur in Coal

GB 3095 Ambient Air Quality Standard

GB 3838 Surface Water Environmental Quality Standard

GB/T 7930 1.500 1.1000 1.2000 Standard for Aerial Photogrammetry of Topographic Maps (Indoor Data Processing)

GB/T 7931 1.500 1.1000 1.2000 Specifications for Aerial Photogrammetry Fieldwork of Topographic Maps

GB/T 14848 Groundwater Quality Standard

GB/T 15555.1 Determination of Total Mercury in Solid Waste by Cold Atomic Absorption Spectrophotometry

GB 15618 Standard for Risk Control of Soil Pollution in Agricultural Land (Trial)

GB/T 15776 Technical Specifications for Afforestation

GB/T 15781 Forest Tending Regulations

GB 18599 Standard for Pollution Control of General Industrial Solid Waste Storage and Landfill

GB/T 26424 Technical Specification for Forest Resource Planning, Design and Survey

GB/T 32864 Code for Investigation of Landslide Prevention Engineering

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