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

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**Green mine construction specifications - Part 9: Cement
limestone mine
(English Translation)**

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Foreword

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 9 of GB/T 48132 "Code for Construction of Green Mines". GB/T 48132 has already published the following parts.

- Part 1: Coal Mines;
- Part 2: Onshore Oil and Gas Fields;
- Part 3: Ferrous Metal Mines;
- Part 4: Non-ferrous metal mines;
- Part 5: Chemical Mines;
- Part 6: Non-metallic Mines;
- Part 7: Gold Mine;
- Part 8: Sand and Gravel Mines;
- Part 9: Limestone Mines for Cement;
- Part 10: Geothermal Mineral Water Mines.

This document was proposed by the Ministry of Natural Resources of the People's Republic of China.

This document is under the jurisdiction of the National Technical Committee on Standardization of Natural Resources and Territorial Spatial Planning (SAC/TC 93).

Introduction

GB/T 48132, "Code for Green Mine Construction," guides the construction of green mines in my country in terms of resource extraction, comprehensive resource utilization, and green and low-carbon development.

The basic standards for carbon sequestration, ecological restoration, technological

innovation and standardized management, and mining environment aim to establish the foundation for green mine construction in various industries.

These requirements and incentives consist of 10 parts.

--Part 1: Coal Mines. The aim is to standardize the construction of green coal mines.

--Part 2: Onshore Oil and Gas Fields. The aim is to standardize the green mining construction of onshore oil and gas fields.

--Part 3: Ferrous Metal Mines. The aim is to standardize the green mining development of ferrous metal mines such as iron, manganese, chromium, vanadium, and titanium.

--Part 4: Non-ferrous Metal Mines. The aim is to regulate copper, lead, zinc, aluminum, magnesium (magnesia-smelting dolomite), nickel, tungsten, tin, molybdenum, antimony, and lithium mines.

Green mine construction for non-ferrous metal mines such as spodumene, lepidolite, silver, beryllium, strontium, zirconium, hafnium, tantalum, niobium, and germanium.

--Part 5: Chemical Mining. The purpose is to regulate lithium (brine lithium), phosphorus, sulfur, potassium salts, magnesium salts, boron, mirabilite, mineral salts, bromine, and natural...

Green mine construction for chemical mines such as alkali and nitrate mines.

Talc, asbestos (chrysotile), mica, feldspar, pyrophyllite, vermiculite, zeolite, gypsum, barite, calcite, magnesite, fluorite, and other minerals.

Stone, agate, marble, dolomite, quartzite, vein quartz, natural quartz sand, powdered quartz, high-purity quartz, kaolin, ceramic clay, iron Alumina, granite, refractory clay, bentonite, diatomite, sepiolite clay, attapulgite clay, illite clay, peridotite, pyroxene Green mine construction for non-metallic minerals such as greenstone, basalt, and perlite.

--Part 7: Gold Mines. The aim is to standardize the green mining practices of gold mines.

--Part 8: Sand and Gravel Mines. The aim is to standardize the green mining construction of sand, gravel, and clay mines for construction.

--Part 9: Limestone Mines for Cement. The aim is to standardize the green mine construction of limestone mines for cement.

--Part 10: Geothermal and Mineral Water Mines. The purpose is to standardize the green mining construction of geothermal and mineral water mines.

Green Mine Construction Standards Part 9: Limestone Mines for Cement

1 Scope

This document outlines the basic principles and requirements for the construction of green limestone mines for cement production, as well as the aspects of resource extraction, comprehensive resource utilization, and green development.

Requirements regarding low carbon emissions, ecological restoration, technological innovation and standardized management, and the mining area environment.

This document applies to the construction of green mines in newly built, renovated, expanded, and producing limestone mines for cement production.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are listed below.

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 2589 General Rules for Calculating Comprehensive Energy Consumption GB 3838 Surface Water Environmental Quality Standard GB 8978 Integrated Wastewater Discharge Standard GB 12348 Emission Standard for Environmental Noise at the Boundary of Industrial Enterprises GB/T 13306 Nameplates GB/T 14161 Mine Safety Signs GB/T 14848 Groundwater Quality Standard GB 16297 Integrated Emission Standard for Air Pollutants GB 16423 Safety Regulations for Metal and Non-metal Mines GB 18597 Standard for Pollution Control of Hazardous Waste Storage GB 18598 Standard for Pollution Control of Hazardous Waste Landfill GB 18599 Standard for Pollution Control of General Industrial Solid Waste Storage and Landfill GB/T 42249 Technical Indicators and Calculation Methods for Comprehensive Utilization of Mineral Resources GB/T 43935 Technical Specification for Monitoring and Evaluation of Mine Land Reclamation and Ecological Restoration GB/T 44823 General Rules for Green Mine Evaluation GB 50187 Standard for General Layout Design of Industrial Enterprises GB 50598 Code for Design of Cement Raw Material Mines GB 51016 Technical Specification for Slope Engineering in Non-Coal Open-Pit Mines GB J 22 Code for Design of Roads in Factories and Mines GBZ 2.2 Occupational Exposure Limits for Hazardous Factors in the Workplace Part 2: Physical Factors DZ/T 0376 Standard for Intelligent Mine Construction DZ/T 0462.6 Requirements for the "Three Rates" Indicators of Mineral Resources - Part 6.26 Non-metallic Minerals including Graphite HJ 25.6 Technical Guidelines for Groundwater Remediation and Risk Management of Contaminated Sites