

HJ

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

HJ 652-2013

Compiling guideline of eco-environmental protection and reclamation plan for mining(On trial)

矿山生态环境保护与恢复治理方案（规划）编制规范（试行）

(English Translation)

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Foreword

To implement the "People's Republic of China Environmental Protection Law" and "the State Council on Strengthening Key Environmental Protection Tasks Italy See "strengthen ecological environment in mining management, mineral resources development Ecological Environment Protection and Restoration means Guide and regulate the mine ecological environment protection and recovery management program (plan) preparation, development of this standard.

This standard specifies the principles of mine ecological environment protection and recovery management program (plan) prepared by the procedures, content and skills requirement.

Appendix A of this standard is a normative appendix.

This standard is developed by the Ministry of Environmental Protection Science, Technology organization.

This standard is mainly drafted by. Sinosteel Maanshan Institute of Mining Research Co., Ltd. (the State Environmental Protection Mine Solid Waste Treatment and Disposal Engineering Center), Ministry of Environmental Protection Standards Institute, the Environmental Protection Department of Environmental Sciences, Nanjing Institute, Shanxi Environmental Protection Bureau, Anhui University of Technology.

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This standard since July 23, 2013 implementation.

The standard explanation by the Ministry of Environmental Protection.

Mine ecological environment protection and recovery management program (plan)

preparation (for Trial Implementation)

1 Scope

This standard specifies the principles of mine ecological environment protection and recovery management program (plan) prepared by the procedures, content and skills requirement.

This standard applies to new construction, renovation (expanding) Mine Mine Closure and production and preparation of mine ecological environment protection and recovery Governance Programme (Planning).

2 Normative references

The standard content of the following documents cited in the articles. For undated references, the effective version applies to this standard.

HJ 651 mine ecological environment protection and recovery management specification (Trial)

3 Terms and Definitions

The following terms and definitions apply to this standard.

3.1 Ecological environment in mining

It refers to the whole mining area ecosystem and environmental systems, including vegetation and landscape, biodiversity, air ring Environment, water environment, acoustic environment, soil environment, geological environment.

3.2 Mine Ecological Environment Protection

It means to take the necessary preventive and protective measures to avoid or mitigate the ecological damage mineral resource exploration and mining and beneficiation caused Environmental pollution.

3.3 Ecological environment in mining recovery

It refers to the various types of ecological damage of mineral resources exploration and mining beneficiation process caused by environmental pollution and to take measures to promote artificial Shi, relying on self-regulation of ecosystems and self-organizing capabilities, and gradually restore and rebuild their ecological functions.

3.4 Open pit

Mining formed pit mining, stairs and open the channel referred to as the open pit

3.5 Underground Mining

It refers to the use of Shaft and Incline peaceful way from the underground cave deposits in the process of recovery of useful minerals.

3.6 Dump

Refers to the abandoned mine stripping and excavation place was concentrated emissions, including external and internal dump dump, also known as waste rock, Rock Field or spoil field.

3.7 Waste rock field

It refers to the centralized disposal sites containing carbon emissions and rocks and rocks and other solid waste generated during coal mining and dressing.

3.8 Field dressing

Method refers to the use of various types of physical, chemical, biological and other useful minerals and the gangue minerals separated to obtain industrial raw materials Sorting places.

3.9 Tailings

Taniguchi defined by damming or enclosure constructed for storage after sorting discharge tailings beneficiation field locations.

3.10 Mine Subsidence

Refers to mining lead above the Mined rock caving occur, fracture, bending movement and deformation, resulting in surface the formation of cracks and subsidence basin subsidence and other areas.

4.1.1 Conservation priorities, combining prevention with control

Mining enterprises to follow the development of protection, the protection of the development of philosophy, the "edge extraction, edge treatment" of the original Then, from the source to control the destruction of the ecological environment, reduce the impact on the ecological environment. Development of mineral resources on the ecological functions caused by Destruction and environmental pollution can be carried out in a timely manner through the recovery and management of biological, engineering and management

measures.

4.1.2 The landscape is similar to functional recovery According to which the mine area, natural and geographical conditions, technical and economic conditions of ecological restoration and environmental management, according to "the whole Ecological restoration function "and" Landscape similarity "principle, the arable farming, should Lin Zelin, grass, the grass should be advised to plant rattan cane, King Construction King should, result-oriented, recovery and management of local conditions to take practical measures to restore the ecological function of the overall mine.

4.1.3 Focused, step by step

Adhere to the development of mineral resources and ecological environment recovery and management simultaneously, according to the light, heavy, slow, anxious, step by step, Priority grasp ecological destruction and environmental pollution control project focused on recovery. In a typical demonstration and to point the way, There are plans to promote the pilot experience, steadily promote the full implementation of the "Programme".

4.1.4 Technology lead, pragmatic

Adhere to the principle of scientific, forward-looking and practical unity, new technologies and new ways to encourage a wide range of applications, select the appropriate the protection and management programs should strive to improve mine ecological environment protection and restoration of governance and performance levels.

Work program 4.2 program (plan) prepared Mine ecological environment protection and recovery management program (plan) prepared by the procedures shown in Figure 1.

Information received Sets and now Like investigation stage Regional Ecological Environmental Status Mine ecological environment analysis and forecast Mine ecological function zoning (zoning) Mine water and soil Holding Planning Programming (planning) Report Mine planning and overall effectiveness Review Review and modify report Background information and professional information data mining Changes socio-economic information Project beginning Land Use Happening Economic and social Cultural attractions Mining program Mine ecological planning objectives, the various stages of ecosystem recovery plan (plan) measures Mine Environmental Pollution Management planning Mine Ecological Recovery and Reconstruction Plan mineral resources Use Planning Eco-industry development plan Benefit Analysis Estimated Investment Implementation Plan safeguards Program (regulation Plan) reported Report compiled stage End of the project Work program 1 mine ecological environment protection and recovery management program map (plan) prepared data collection Geology, Shape and topography Mining basic situation Ecological Environment Movies Sound prediction Environmental Problems Identification and Analysis Mine Environmental Pollution Governance Investigation Mine Health State Environment THE PRE Testing phase Mine Health State Environment