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ICS 73.020
CCS D 14

KA

KA/T 5-2023

Replacing MT/T 778-1998

Technical specification for prediction of mine water quantity with numerical method

数值法预测矿井涌水量技术规范

(English Translation)

Issued on: October 26, 2023 **Implemented on: January 31, 2024**

Issued by: State Mine Safety Supervision Administration

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https://chinastandards.org/standards/ka-t-5-2023

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1 Foreword

KA/T 5-2023 was issued by State Mine Safety Supervision Administration on 26 October 2023 and has been in force since 31 January 2024.

It replaces the earlier edition MT/T 778-1998.

The KA/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

2 Scope Preview

This standard specifies the general requirements, preparatory work, conceptual model, mathematical model, numerical model, model parameter identification, water inflow prediction and results submission requirements for numerical methods to predict mine water inflow. This standard is applicable to the numerical prediction of mine water inflow during the mine exploration, construction and production stages.

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KA/T 5-2023 falls under ICS 73.020, in the field of mining and minerals.

This catalogue holds 19 other KA/T standards in that field.

In this catalogue, KA/T standards carry edition years from 2023 to 2026.

3 About this standard

Issued by: State Mine Safety Supervision Administration

English translation: about 5 pages

Chinese original: about 7,756 characters

Supersedes the earlier edition MT/T 778-1998.

4 Related standards

Standards on related subjects:

MT/T 1091-2008 - Standard for exploration and evaluation of hydrogeology, engineering geology and environment geology in coal beds

DZ/T 0200-2002 - Specification for iron, manganese and chromium mineral exploration

DZ/T 0206-2002 - Specifications for kaolinite, bentonite, refractory. Clay mineral exploration

KA/T 2-2023 - Technical specification for advanced regional treatment of limestone aquifer under coal seam

KA/T 11-2023 - Method of monitoring for behavior of rock pressure about the roadway in coal mines

KA/T 10-2023 - Technical specifications for groundwater management model of coal mine area

5 Classification and status

International classification (ICS): 73.020

Chinese Standard Classification (CCS): D 14

Prefix KA/T: recommended standard.

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