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Technical specification for earth-rockfill dam safety monitoring

土石坝安全监测技术规范

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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.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

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Technical specification for safety monitoring of earth-rock dams

1 Scope

This document specifies the technical requirements for earth-rock dam safety monitoring design, installation, commissioning and acceptance, operation and maintenance.

This document is applicable to the dam bodies, dam foundations, dam shoulders, water discharge and energy dissipation structures of Class 1, Class 2 and Class 3 earth-rock dams, as well as Safety monitoring of slopes near the dam reservoir bank and hub area shall be carried out as a reference for level 4 and level 5 earth-rock dams.

2 Normative references

GB/T 12897

GB/T 12898

GB/T 16818

GB/T 17942

GB/T 18314

GB/T 22385

GB/T 35226

GB/T 50138

3.1 Terms and Definitions

The following terms and definitions apply to this document.

3.1.1

The period from when the reservoir begins to store water to when it reaches (or approaches) the normal water level.

Note. If the normal water level is not reached within one year after the start of water

storage, it will be regarded as the first year after the start of water storage.

3.1.2

The first 3 years after the first impoundment period.

3.1.3 Operation period operationperiod

The period after the initial accumulation period.

3.1.4 observation

Use various instruments or equipment or manually complete a data collection and recording activity.