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GB/T 33233-2023

Replacing GB/T 33233-2016

Water saving enterprises - Electrolytic aluminium industry

节水型企业 电解铝行业

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Foreword

This document was drafted in accordance with the rules given in GB/T 1.1-2020 "Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents".

This document replaces GB/T 33233-2016 "Water saving enterprises -- Electrolytic aluminium industry". Compared with GB/T 33233-2016, in addition to the structural adjustments and editorial modifications, the main technical changes in this document are as follows:

- a) Change basic requirements for water saving enterprises (see 4.2 of this Edition; 4.2 of Edition 2016);
- b) Change assessment indicators for water intake. Add water indicators for deep purification of electrolysis flue gas (see 4.4 of this Edition; 4.4 of Edition 2016);
- c) Change assessment indicators for reuse rate (see 4.4 of this Edition; 4.4 of Edition 2016);
- d) Changed assessment indicators for water leakage rate (see 4.4 of this Edition; 4.4 of Edition 2016);
- e) Change the scoring instructions for water saving enterprise management indicators (see A.2 of this Edition; A.2 of Edition 2016).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. The issuing authority shall not be held responsible for identifying any or all such patent rights.

This document was proposed by and shall be under the jurisdiction of National Technical Committee on Water Saving of Standardization Administration of China (SAC/TC 442).

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Water saving enterprises - Electrolytic aluminium industry

1 Scope

This document specifies the evaluation indicator system and requirements for the evaluation of water saving enterprises in the electrolytic aluminum industry.

This document is applicable to the evaluation of water saving enterprises in the electrolytic aluminum industry.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 7119, *Evaluating guide for water saving enterprises*

GB/T 12452, *General principles of water balance test*

GB/T 18820, *General principles of drafting norm of water intake for industry*

GB/T 18916.16, *Norm of water intake -- Part 16: Electrolytic aluminum*

GB/T 21534, *Water saving -- Terminology*

GB/T 24789, *General rules for equipping and managing of the water measuring instrument in water-use organization*

3 Terms and definitions

For the purposes of this document, the terms and definitions defined in GB/T 7119, GB/T 18820, GB/T 18916.16 and GB/T 21534 as well as the followings apply.

4 Evaluation indicator system and requirements

4.1 The evaluation indicator system for water saving enterprises includes basic requirements, management indicators and technical indicators.

4.2 The basic requirements for water saving enterprises are shown in Table 1.

4.3 The management indicators and requirements of water saving enterprises are shown

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