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Technical specification at the project level for assessment of greenhouse gas emission reductions - Aggregate from iron ore waste rock

基于项目的温室气体减排量评估技术规范 铁矿废石生产砂石骨料

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Foreword

This document is in accordance with GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents". Drafting is scheduled.

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the China Iron and Steel Association.

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Introduction

To facilitate domestic and international exchange, and in accordance with the relevant requirements of the Intergovernmental Panel on Climate Change (IPCC), the values in this document are...

It is expressed in the form of "international unit of measurement for substance (element)", such as kgCO2 representing kilograms of carbon dioxide.

Technical Specifications for Project-Based Greenhouse Gas Emission Reduction Assessment Iron ore waste rock production of sand and gravel aggregate

1 Scope

This document specifies the terms and definitions, basic principles, and assessment procedures for greenhouse gas emission reduction assessment of iron ore waste rock production sand and gravel aggregate projects. Content, etc.

This document applies to the assessment of greenhouse gas emission reductions from iron ore waste rock production projects for producing sand and gravel aggregates.

2 Normative references

GB/T 24851

GB/T 32150

GB/T 33760-2017

3 Terms and Definitions

The terms and definitions defined in GB/T 33760-2017 and GB/T 32150, as well as the following terms and definitions, apply to this document.

3.1 Baseline scenario

These are hypothetical scenarios that might occur without implementing the project, serving as a reference.

Note. The baseline scenario occurs during the same time period as the project.

[Source. GB/T 33760-2017, 3.4, with modifications]

3.2 [Source. GB/T 33760-2017, 3.5]

The reduction in greenhouse gas emissions generated by the project over a certain period, calculated and compared to the baseline scenario emissions. Small quantity.

3.3 emission factor

Greenhouse gas emission coefficients characterizing unit production or consumption activity.

[Source. GB/T 32150-2015, 3.13]

3.4 Iron ore waste rock ironorewasterock

Lumpy solid waste generated during iron ore mining and beneficiation.

3.5

Sand and gravel made from natural rocks, pebbles, or mine waste rock through mechanical processing, and whose quality meets the requirements of construction projects.

Note. Aggregates with a particle size greater than 4.75 mm are called coarse aggregates, and aggregates with a particle size not greater than 4.75 mm are called fine aggregates.

3.6 Project owner

An organization or individual that has full control over and is responsible for a project.

[Source. GB/T 33760-2017, 3.10]

4.1 Correlation

Select appropriate greenhouse gas sources, data, and methods.

4.2 Integrity

This includes all relevant greenhouse gas emissions applicable to the needs of the target users.

4.3 Consistency

It enables meaningful comparisons of information related to greenhouse gases.

Note. Using the same criteria and procedures, conducting two emission reduction assessments periodically (e.g., at one-year intervals) and comparing the results of the two assessments is considered meaningful. Compare.

4.4 Accuracy

Minimize bias and uncertainty as much as possible.

4.5 Transparency

Subject to compliance with national policies and trade secret requirements, publish fully applicable greenhouse gas information to enable target users to make informed decisions. Reasonable decision-making.

Note. To meet the principle of transparency, the following are generally required, but not limited to.

a) Explain and document the principles and related content upon which the baseline scenario and project scenario were selected;

b) Explain and document the selection of assessment procedures, assessment methods, emission factors, activity data, etc.

4.6 Conservatism

Ensure that the assumptions, figures, and assessment methods used do not overestimate greenhouse gas emission reductions.

5.1 Project boundary delineation and emission source identification

The project boundary includes the aggregate production site and off-site transportation of