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Stationary source emissions — Determination of greenhouse gas emissions in energy-intensive industries —

Part 5: Lime industry

Émissions de sources fixes — Détermination des émissions de gaz à effet de serre dans les industries énergo-intensives —

Partie 5: Industrie de la chaux

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Contents

Page

Foreword ..... **v**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **2**

4 Symbols and abbreviated terms **3**

5 General **6**
5.1 Introduction 6
5.2 Overview of the lime manufacturing process 6
5.3 Direct greenhouse gas emissions from calcination of kiln stone — Process emissions 7
5.4 Direct greenhouse gas emissions from fuels for kiln operation — Combustion emissions 7
5.5 Direct greenhouse gas emissions from non-kiln fuels — Combustion emissions 8
5.6 Energy indirect greenhouse gas emissions 8

6 Inventory boundaries **8**
6.1 Appropriate boundaries to distinguish 8
6.2 Organizational boundaries 8
6.3 Reporting boundaries 9
6.3.1 Emissions to be included 9
6.3.2 Structure of plants and processes 10
6.4 Sources and greenhouse gases to be included 10
6.5 Internal lime transfers 10
6.6 Assessment period 10

7 Principles **10**

8 Determination of greenhouse gas emissions: General requirements **11**
8.1 Monitoring plan and other requirements for identifying, calculating and reporting of greenhouse gas emissions 11
8.2 Stack-measurement-based method or mass-balance-based method 11

9 Direct greenhouse gas emissions and their determination **11**
9.1 Sources of direct greenhouse gas emissions and applicability of determination methods 11
9.2 Direct CO_2 greenhouse gas emissions from the calcination of kiln stone (process emissions) using the mass-balance-based method 12
9.2.1 Introduction and overview of the methods 12
9.2.2 Input method 13
9.2.3 Output method 17
9.2.4 Direct greenhouse gas emissions during kiln start up or shutdown 20
9.3 Direct greenhouse gas emissions from kiln fuels (combustion emissions) using the mass-balance-based method 20
9.3.1 Introduction to the mass-balance-based method for kiln fuels 20
9.3.2 Determination of the activity data of kiln fuels 21
9.3.3 Determination of fuel emission factors for kiln fuels 21
9.3.4 Determination of the greenhouse gas emissions from heat transfer to external parties 23
9.3.5 Determination of the greenhouse gas emissions from exported on-site power generation 24
9.4 Direct greenhouse gas emissions from non-kiln fuels (combustion emissions) using the mass-balance-based method 24
9.4.1 Introduction of the mass-balance-based method for non-kiln fuels 24
9.4.2 Determination of the quantity of externally generated electricity used — Activity data 25

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9.4.3 Determination of fuel factors for non-kiln fuels 27
10 Indirect greenhouse gas emissions from imported energy and their determination 27
10.1 Overview of the sources of energy indirect greenhouse gas emissions 27
10.2 Determination of the quantity of externally generated electricity used — Activity data 27
10.2.1 Plant producing only lime 27
10.2.2 Plant manufacturing products in addition to lime 28
10.3 Determination of the emission factor for externally generated electricity 29
11 Indirect greenhouse gas emissions from imported kiln stone and transport of kiln stone by third parties 29
11.1 Indirect indirect greenhouse gas emissions, third party and off-site transportation 29
11.2 Greenhouse gas emissions from manufacture of imported kiln stone 29
11.3 GHG from transport of kiln stone by third parties 30
12 Reporting and performance assessment 31
12.1 Reporting data to include 31
12.2 Performance assessment 31
13 Uncertainty of GHG inventories 33
13.1 General principles 33
13.2 Assessment of uncertainty for the mass-balance-based method 33
13.2.1 Major sources of uncertainty 33
13.2.2 Uncertainty of activity data 34
13.2.3 Aggregated uncertainties of activity data 35
13.2.4 Uncertainty of analytical parameters 35
13.2.5 Application of default values instead of analytical results 36
13.2.6 Evaluation of the overall uncertainty of a GHG inventory 36
13.3 Assessment of uncertainty for the stack-measurement-based method 36
14 Verification / certification 37
Annex A (informative) **Objective and outcome of the site trails 38**
Annex B (normative) **Minimum content of the monitoring plan 41**
Annex C (informative) **Details about the calculation of process emissions from lime kilns using the mass-balance-based method 44**
Annex D (informative) **Example of an uncertainty calculation 49**
Bibliography 51

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 146, *Air quality*, Subcommittee SC 1, *Stationary source emissions.*

A list of all parts in the ISO 19694 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Stationary source emissions — Determination of greenhouse gas emissions in energy-intensive industries —

Part 5: Lime industry

1 Scope

This document provides a harmonized methodology for calculating greenhouse gas (GHG) emissions from the lime industry. It includes the manufacture of lime and any downstream lime products manufactured at the plant, such as ground or hydrated lime. This document allows for reporting of GHG emissions for various purposes and on different basis, such as plant basis, company basis (by country or by region) or international organization basis.

This document addresses all of the following direct and indirect sources of GHG included as defined in ISO 14064-1:

— direct greenhouse gas emissions [see ISO 14064-1:2018, 5.2.4 a)] from greenhouse gas sources that are owned or controlled by the company, such as emissions resulting from the following sources:

— calcination of carbonates and combustion of organic carbon contained in the kiln stone;

— combustion of kiln fuels (fossil kiln fuels, alternative fossil fuels, mixed fuels with biogenic carbon content, biomass fuels and bio fuels) related to lime production and/or drying of raw materials;

— combustion of non-kiln fuels (fossil kiln fuels, mixed fuels with biogenic carbon content, biomass fuels and bio fuels) related to equipment and on-site vehicles, heating/cooling and other on-site uses;

— combustion of fuels for on-site power generation;

— indirect greenhouse gas emissions [see ISO 14064-1:2018, 5.2.4 b)] from the generation of imported electricity, heat or steam consumed by the organization;

— other indirect greenhouse gas emissions [see ISO 14064-1:2018, 5.2.4 c) to f)], which are a consequence of an organization's activities, but arise from greenhouse gas sources that are owned or controlled by other organizations, except emissions from imported kiln stone, are excluded from this document.

This document is intended to be used in conjunction with ISO 19694-1, which contains generic, overall requirements, definitions and rules applicable to the determination of GHG emissions for all energy-intensive sectors, provides common methodological issues and defines the details for applying the rules. The application of this document to the sector-specific standards ensures accuracy, precision and reproducibility of the results.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 19694-1:2021, *Stationary source emissions — Determination of greenhouse gas emissions in energy-intensive industries — Part 1: General aspects*

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