Commission Decision of 22 March 2005 establishing the formats relating to the database system pursuant to Directive 94/62/EC of the European Parliament and of the Council on packaging and packaging waste (notified under document number C(2005) 854) (Text with EEA relevance) (2005/270/EC)

[F1ANNEX III

Methodology for calculating the recycled metals separated after incineration of packaging waste

Textual Amendments

F1 Inserted by Commission Implementing Decision (EU) 2019/665 of 17 April 2019 amending Decision 2005/270/EC establishing the formats relating to the database system pursuant to European Parliament and Council Directive 94/62/EC on packaging and packaging waste (notified under document C(2019) 2805) (Text with EEA relevance).

1. The following terms shall apply in relation to the formulas set out in this annex:

$m_{total\ IBA\ Fe/Al}$	total mass of ferrous metals or aluminium in incineration bottom ash in a given year;
$m_{IBA\ Fe/nFe\ concentrates}$	mass of ferrous metal concentrate or non-ferrous metal concentrate separated from raw waste incineration bottom ash in a given year;
$c_{IBA\ Fe/Al}$	concentration of ferrous metals or aluminium in the respective metal concentrate;
$m_{IBA\ Fe/Al}$	mass of ferrous metals or aluminium in the ferrous metal concentrate or in the non-ferrous metal concentrate separated from incineration bottom ash in a given year;
$m_{non\text{-}metallic}$	mass of non-metallic material contained in specific ferrous metals concentrate or aluminium concentrate;
r_{Al}	share of aluminium in non-ferrous metals contained in non-ferrous concentrate separated form incineration bottom ash;
$m_{PW\ Fe/Al}$	mass of ferrous metals or aluminium from packaging waste entering an incineration operation in a given year;
$m_{W\ Fe/Al}$	mass of all ferrous metals or aluminium entering an incineration operation in a given year; and
$m_{PW\ IBA\ Fe/Al}$	mass of recycled ferrous metals or aluminium originating from packaging waste in a given year.

2. Following the separation of ferrous /non-ferrous concentrate from raw incineration bottom ash, the ferrous metals/aluminium content of the metal concentrate shall be calculated by applying the following formula:

$$m_{total\ IBA\ Fe/Al} = m_{IBA\ Fe/nFe\ concentrates} \cdot c_{IBA\ Fe/Al}$$

3. Data on the mass of ferrous /non-ferrous metal concentrates shall be obtained from facilities that separate metal concentrates from raw incineration bottom ash.

4. The concentration of ferrous metals and aluminium resulting from the processing of raw incineration bottom ash shall be calculated by using data collected by regular surveys from facilities that treat metal concentrates and from facilities that use metals seprated from incineration bottom ash to producing metal products by applying the following formulas:

(a) for ferrous metals

$$c_{IBA\ Fe} = \frac{m_{IBA\ Fe}}{m_{IBA\ Fe\ concentrates}} = \frac{m_{IBA\ Fe\ concentrates} - m_{non\text{-}metallic}}{m_{IBA\ Fe\ concentrates}}$$

, and

(b) for aluminium

$$c_{IBA\ Al} = \frac{m_{IBA\ Al}}{m_{IBA\ nFe\ concentrates}} = \frac{(m_{IBA\ nFe\ concentrates} - m_{non\text{-}metallic}) \times r_{Al}}{m_{IBA\ nFe\ concentrates}}$$

5. The mass of recycled ferrous metals/aluminium originating from packaging waste in all recycled ferrous metals/aluminium separated from incineration bottom ash shall be determined through sampling surveys of the waste that enters the incineration operation. These surveys shall be carried out at least every five years and when there are reasons to expect that the composition of the incinerated waste has significantly changed. The mass of ferrous metals/aluminium originating from packaging waste shall be calculated by applying the following formula:

$$m_{PW\ IBA\ Fe/Al} = \frac{m_{PW\ Fe/Al}}{m_{W\ Fe/Al}} \times m_{total\ IBA\ Fe/Al}$$

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Status:
Point in time view as at 31/01/2020.

Changes to legislation:
There are outstanding changes not yet made to Commission Decision of 22 March 2005 establishing the formats relating to the database system pursuant to Directive 94/62/EC of the European Parliament and of the Council on packaging and packaging waste (notified under document number C(2005) 854) (Text with EEA relevance) (2005/270/EC). Any changes that have already been made to the legislation appear in the content and are referenced with annotations.