CORRECTION TO VM0043 METHODOLOGY FOR CO_2 UTILIZATION IN CONCRETE PRODUCTION

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This document provides a correction to *VM0043 Methodology CO2 Utilization in Concrete Production, v1.0*. This correction is effective on the effective date listed in the table. Project proponents and validation/verification bodies (VVBs) shall apply and interpret VM0043 v1.0, consistent with the correction set out in this document.

This update will also be incorporated into the next version of the methodology.

Correction	Description	Document and Section Reference	Effective Date
Correction 1	Error in equation 5 to estimate the quantity of CO_2 stored in the concrete by testing procedure	VM0043 v1.0, Baseline Emissions	Effective immediately

1 Correction 1: Error in equation 5 to estimate the quantity of CO_2 stored in the concrete by testing procedure

Correction:

Equation 5 must be read as:

$$BE_{CO2,cap,y} = \sum i \, [Q_{concrete,i,p.y} * (C_{project\ sample,i,y} - C_{baseline\ sample,i,y}) * ~~1000 *~~ 44/12]$$

Where:

$Q_{Concrete,i,p,y}$ = Quantity of concrete produced by the project for product mix design *i* in year y ~~in~~ (metric tonnes)·

$C_{project\ sample,i,y}$ = Carbon content of samples of concrete for each design mix *i* in year y taken from the project activity (kgC/kg of concrete in the sample)

$C_{baseline\ sample,i,y}$ = Carbon content of samples of concrete for each design mix *i* in year y that are not using the project activity technology (kgC/kg of concrete in the sample)

Background:

$BE_{CO2,cap,y}$ in equation 5 is determined in tCO_2. The factor 1000 is not appropriate given the units' equivalence for the carbon content of samples of concrete, i.e., 1 kgC / kg of concrete is equivalent to 1 tC / t of concrete (%w/w).