

## ERRATA AND CLARIFICATIONS TO AM0073 - GHG EMISSION REDUCTIONS THROUGH MULTI-SITE MANURE COLLECTION AND TREATMENT IN A CENTRAL PLANT

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This document provides errata and clarifications applicable to the CDM methodology [AM0073 GHG Emission Reductions Through Multi-site Manure Collection And Treatment In A Central Plant](#) if used under the VCS Program. Such errata and clarifications are effective on their issuance date. Project proponents and validation/verification bodies (VVBs) shall apply and interpret AM0073, v1.0 consistent with the clarifications set out in this document.

Erratum/ Clarification	Description	Document and Section Reference	Effective Date
Erratum 1	Error in Equation 3 to calculate $PE_{AD,y}$	AM0073 v1.0, Project emissions	Effective immediately
Clarification 1	Use of other factors in Equation 3 to calculate $PE_{AD,y}$	AM0073 v1.0, Project emissions	Effective immediately

### 1 Erratum 1: Error in Equation 3 to calculate $PE_{AD,y}$

**Erratum:**

Equation 3 should read as:

$$PE_{AD,y} = GWP_{CH_4} \times \rho_{CH_4,n} \times \frac{LF_{AD}}{(1 - LF_{AD})} \times 10^{-3} \times \sum_{h=1}^{8760} (FV_{RG,h} \times fv_{CH_4,RG,h})$$

**Background:**

Equation 3 calculates methane emissions based on the volume of methane captured, its density and a leakage factor. A factor of  $10^{-3}$  was included for the conversion of units of the density of the methane if expressed in  $\text{kg}/\text{m}^3$ . However, the density of methane ( $\rho_{\text{CH}_4,n}$ ) is already expressed as  $6.7 \times 10^{-4} \text{ t}/\text{m}^3$  and not  $\text{kg}/\text{m}^3$ .

## 2 Clarification 1: Use of other factors in Equation 3 to calculate $\text{PE}_{\text{AD},y}$

**Clarification:**

The use of 0.15 is not mandatory and a lower value may be used, if properly justified through documented evidence which should be validated/verified by the VVB.

For example, CDM TOOL 14 and 2019 Refinement to the 2006 IPCC Guidelines for National GHG Inventories contain reference values for this parameter.

**Background:**

The section “Project emissions” on page 9 of AM0073, v1.0 includes the following paragraph:

*Ex ante leakage to be reported in the CDM-PDD will be estimated using equation 3 or 4 below, with a leakage factor of 0.15 or a lower value, if properly justified through documented evidence (which should be validated by the DOE).*

However, the methodology uses a fixed leakage factor  $\text{LF}_{\text{AD}}$  of 15% on page 10:

$\text{LF}_{\text{AD}}$  = Methane leakage from anaerobic digesters/reactor, default of 0.15