



CDM: Recommendation Form for Small Scale Methodologies (version 01)

(To be used for presenting questions/proposals/amendments to the simplified methodologies for small-scale CDM project activity categories)

<i>Date of SSC WG meeting:</i>	19 - 21 September 2007
<i>Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):</i>	Clarification on the monitoring approach for a bundled project that both AMS I.C. and AMS III.D. apply
<i>Indicative methodology to which your submission relates (refer the items of Appendix B of the Simplified Modalities and Procedures), if applicable.</i>	AMS-III.D Methane recovery in agricultural and agro industrial activities (version 12)
<i>Name of the authors of the query:</i>	Institution: World Bank Carbon Finance Unit Mranade@worldbank.org , zli4@worldbank.org

Summary of the query:

Please use the space below to summarize the query related to SSC methodologies/categories SSC Modalities and Procedures provide recommendation/analysis of the SSC WG.

The proposed project activity is a bundle of 30,000 household-level activities, which recover methane from pig manure and utilize the generated biogas to displace fossil fuel by providing thermal energy for cooking. The bundled project activity is therefore applicable under version 12 of AMS III.D. "Methane recovery in agricultural and agro industrial activities", and version 11 of AMS I.C., "Thermal energy for the user with or without electricity".

In version 1 of the "Guidance for completing the simplified project design document (CDM-SSC-PDD)", it is indicated that the monitoring methodology of bundled SSC project activities may include sampling. "If all project activities in the bundle belong to the same type, same category and technology/measure, a common monitoring plan can be utilized for the bundle with the submission of one monitoring report, under conditions to be specified (e.g. conditions for sampling)."

This condition is met for the Hubei biogas project, so conditions for sampling may be mentioned in the monitoring report. It is suggested to use the sampling conditions of AMS I.C, which states that for systems with emissions reductions lower than 5 tonnes of CO₂ a year the following is required:

- "(i) Recording annually the number of systems operating; and
- (ii) Estimating the annual hours of operation of an average system, if necessary using survey methods. Annual hours of operation can be estimated from total output (e.g. tonnes of grain dried) and output per hour if an accurate value of output per hour is available."

However AMS III.D also states that "The monitoring plan should include on site inspections for each individual farm included in the project boundary where the project activity is implemented for each verification period." For project like the Hubei biogas project case, which involves 30,000project households and the annual emission reductions of each system is less than 2 tons of CO₂e, it is unfeasible to implement on-site inspections for each individual farm.

Therefore the project participants are requesting clarification whether a common sampling monitoring approach is acceptable.

Recommendation by the SSC WG : Please use the space below to provide amendments/change (in your expert view, if necessary).

Please refer to Paragraph 21 of the meeting report of the SSC WG 12 (http://cdm.unfccc.int/Panels/ssc_wg).

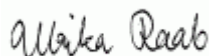
Answer to authors of query by the SSC WG :

Please use the space below to provide answer to the authors of the above query

The small scale-working group of the CDM Executive Board would like to thank the author for the submission.

The SSC WG agreed that AMS III.D. is potentially applicable to bundled projects with a large number of very small-distributed units for manure management (e.g. several thousand farms/households in distributed geographic locations each installing a biogas digester as the proposed project, e.g. as also described in SSC_051). Taking into account the very small annual emission reductions that these individual units could potentially achieve, the SSC WG agreed that the proposed monitoring requirements in AMS III.D. might not be economically viable for such projects, especially with respect to the requirements for on-site inspections of each individual farm, the requirement to directly measure the amount of methane recovered and the requirements concerning (monitoring of) efficiencies of flares/stoves.

The SSC WG agreed, in accordance with the report of its ninth meeting concerning the application of AMS III.D. to small distributed units for manure management, to recommend a new small scale methodology based on AMS III.D. The recommended methodology is only applicable to small units for manure management with emissions reductions per system equal to or lower than 5 tonnes of CO₂ a year, with simplified monitoring requirements similar to those defined in AMS I.C. The recommended new methodology is only applicable in combination with AMS I.C.



Signature of SSC WG Chair

(Ulrika Raab)

Date: 21/09/2007



Signature of SSC WG Vice-Chair

(Richard Muyungi)

Date: 21/09/2007

Information to be completed by the secretariat

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