



## 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>	10–12 November 2008, SSC WG 18
<i>Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):</i>	Proposition of a new approach to determine the baseline emission factor of the traditional open-ended methods to produce charcoal
<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.K version 03
<i>Name of the authors of the query:</i>	Nicolas Thouverez Institution: VELCAN Energy <a href="mailto:thouverez@velcan.fr">thouverez@velcan.fr</a> , <a href="mailto:curien@velcan.fr">curien@velcan.fr</a> , <a href="mailto:sudha.p@velcan.fr">sudha.p@velcan.fr</a>

### **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.

Original text from PP:

We intend to develop a project of clean charcoal production with collection and incineration of the carbonization gases in Brazil. The project consists in the replacement of traditional kilns (Missouri type) which are releasing the carbonization gases directly into the atmosphere, with modern kilns equipped with collection and incineration facility. Since carbonization gases contain methane in the range of 1-5%. Given the production of charcoal in Brazil with traditional kilns, the global potential of CERs in Brazil is about 5 millions per year.

We propose to add a new approach to determine the baseline emission factor for brick-based charcoal making process. The methodology proposed **would replace or represent an alternative to existing Annex 2 of methodology III.K.**

The overall objective of our proposal is to establish a fixed and representative ratio of methane emissions (kg CH<sub>4</sub>) per tonne of raw material (Dry basis) processed (My,b) in the production of charcoal. The aim of the modification proposed is to provide a simple and cost-effective methodology to determine these methane emissions with a direct measurement method. The methodology proposed presents the following advantages over that currently followed:

- This methodology would be much simple to implement and the number of parameters to monitor in order to determine the emissions is very limited compared to existing Annex 2 methodology. As a result, the cost of implementation of this methodology would be much lower than the cost associated with implementation of existing Annex 2;
- Helium tracing is very common method for gas flow measurement which is used in industrial sector for determining the emission rate of a pollutant source, for example. Thus it is a proven methodology with high precision and less uncertainty;
- Precision of this methodology is equivalent to existing Annex 2 methodology as both implement gas analysis with a chromatograph.

**Recommendation by the SSC WG:**

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

Please refer to paragraph 6 of the meeting report of the SSC WG 18  
([http://cdm.unfccc.int/Panels/ssc\\_wg](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.

Following a consistency check with the ASTM standard E 2029-99 titled 'Standard test method for volumetric and mass flow rate measurement in a duct using tracer gas dilution', the SSC WG agreed to recommend a revision of AMS-III.K as contained in annex 3 of SSC WG18 report.



Signature of SSC WG Chair .....

(Ulrika Raab)

Date: 12/11/2008



Signature of SSC WG Vice-Chair .....

(Kamel Djemouai)

Date: 12/11/2008

**Information to be completed by the secretariat**

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