



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)

Date of SSC WG meeting:	27–30 October 2009, SSC WG 23
Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):	Periodic monitoring of methane content in biogas in AMS-III.H and AMS-III.G
Indicative methodology to which your submission relates (refer the items of Appendix B of the Simplified Modalities and Procedures), if applicable.	AMS-III.H and AMS-III.G
Name of the authors of the query:	Ana Carnal Institution: Zero Emissions Technologies SA elena.fernandez@zeroemissions.abengoa.com , ana.carnal@zeroemissions.abengoa.com , daniel.garcia@zeroemissions.abengoa.com

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:

Both methodologies mention in the monitoring plan, the following:

(AMS.III.H, paragraph 36 and AMS.III.G, paragraph 12)

“The fraction of methane in the gas should be measured with a continuous analyser or, alternatively, with periodical measurements at a 95% confidence level”.

In Annex 3 of EB48, “Guidelines to calculate the methane fraction in landfill gas from periodic measurements”, the procedure to perform periodic measurements with a 95% confidence level in landfill gas is described.

According to these guidelines, a minimum amount of 4 measurements would be sufficient to assess a confidence interval and calculate the methane fraction in landfill gas and, from these data, a confidence interval under a standard t distribution (n-1 freedom degrees) can be calculated.

Would this procedure also be applicable to methane content monitoring in project activities which are currently in the validation process under SSC-CDM AMS.III.G & H?

Additional clarifications requested by SSC WG:

In order to consider your submission complete, you are requested to provide the following clarification:

Please note that Annex 13 of EB48 referred in your submission was approved in the specific context that the revised version of ACM0001 (version 11) allows only the option of continuous measurement of methane content of the landfill gas, with which the new projects must comply, this Guidance therefore is only applicable to “the projects which were under validation/registration or already registered, or for those projects which would use the older version due to applicable grace period” as stated in the paragraph 1. It is not clear in your submission whether your question is in the context of type of projects under the quotes. Please clarify.

Response from PP submitted 02 Oct 2009:

Our query is in the context of project activities which are under validation with a version of AMS.III.H currently in force.

Recommendation by the SSC WG:

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

Please refer to paragraph 15 of the meeting report of the SSC WG 23 (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 to clarify that Annex 13 of EB 48 is approved in a specific context that it was intended for projects which were under validation/registration or already registered, or for those projects which would use the older version of ACM0001 due to applicable grace period. It is not applicable to methane content monitoring under AMS-III.H and AMS-III.G.

The SSC WG noted that the confidence level of 95 prescribed in the AMS III.G & H might be difficult to achieve under certain circumstances. It therefore agreed to recommend a confidence/precision level of 90/10 to determine the methane concentration in biogas through sampling following the "General guidelines for sampling and surveys for SSC project activities" (Annex 30 of EB50). The SSC WG agreed to recommend a revision to AMS-III.G and AMS-III.H to clarify the issue at the next available opportunity to propose a revision.



Signature of SSC WG Chair

(Hugh Sealy)

Date: 30/10/2009



Signature of SSC WG Vice-Chair

(Peer Stiansen)

Date: 30/10/2009

Information to be completed by the secretariat

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