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:	As per procedures for fast track clarifications
Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):	Determination of the flare efficiency for project activity involving combustion and/or flaring of recovered methane
Indicative methodology to which your submission relates (refer the items of Appendix B of the Simplified Modalities and Procedures), if applicable.	AMS-III.H, version 12
Name of the authors of the query:	Steve Anzarouth Institution: Ecosecurities International Limited Steve.Anzarouth@ecosecurities.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:

In AMS III.H versions 10, 11 and 12 it is specified in paragraph 32 that : "In case of flaring/combustion MDy will be measured using the conditions of the flaring process : MDy = BGburnt,y x wCH4,y x DCH4 x FE x GWPCH4 (16)".

We would like to request clarification regarding the method to determine FE in case the project activity uses methane destruction devices other than flares for biogas combustion (e.g. gensets, boiler burners), or where the activity uses a combination of a flare and another methane destruction device.

We would like to have clarified if the same approach as in AMS III.D equation (7) can be applied, where paragraph 26 states: "Project activities where a portion of the biogas is destroyed through flaring and the other portion is used for energy may consider to apply the flare efficiency to the portion of the biogas used for energy, if separate measurements are not performed."

Further clarifications submitted on 01 July 2009:

We clarify that the clarification sought is about determining the flare efficiency (FE) for the project activity which destroys recovered methane either by combustion (energy generation), or by both flaring and combustion.

In AMS III.H v 10, 11 and 12 it is clear how to define FE in the case of flaring only (paragraph 37, FE "...shall be monitored and calculated as per the provision in the "Tool to determine project emissions from flaring gases containing methane").

It is not clear how to define FE when combustion takes place in, for example, energy generation. However AMS III.D is clear on this point (in equation 7 and paragraph 26), thus we would like to know if the same approach can be applied under AMS III.H.

The clarification is not specific to a project, however it came about during PDD development of the project "Univanich Siam Biogas to Energy Project" in Thailand currently in validation stage with the following detailed description, copied from section A.2 of the PDD:

"The 'CIGAR' treatment system will promote the rapid anaerobic decomposition of organic material in the mill's wastewater thus reducing the COD and BOD contained prior to the wastewater reaching the main pond treatment system. The generated biogas will be captured and used to fuel a gas engine to produce electricity that would otherwise be supplied by the Thai National Grid. Surplus biogas, where produced, will be flared using an open-type flare rather than released to the atmosphere."

Recommendation by the SSC WG:

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

This recommendation is as per the procedures for fast track clarifications as specified in paragraph 8 of the 'procedures for the submission and consideration of request for clarification of approved small-scale methodologies' found at <http://cdm.unfccc.int/Reference/Procedures/MethSSC_proc01_EB34a06.pdf>.

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 (SSC WG) would like to thank the author for the submission. The SSC WG, taking into account the inputs in the submission and public comment received, agreed to clarify that, as in the case of AMS-III.D, if the biogas is combusted for a gainful use of the released energy as in an engine or a power plant, a destruction efficiency of 100% can be used for the portion of biogas that is combusted when applying AMS-III.H, i.e. use a value of 100% for FE in equation 16 in paragraph 32 for the portion of biogas that is combusted for a gainful use.

The SSC WG agreed to include the clarification in a future revision of AMS-III.H.

Signature of SSC WG Chair ……..

(Hugh Sealy)

Date: 29/07/2009

Signature of SSC WG Vice-Chair ……..

(Peer Stiansen)

Date: 29/07/2009

Information to be completed by the secretariat

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