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):	Clarification on the choice of combustion efficiency in equation (4) of AMS-III.G for landfill gas that is not flared
Indicative methodology to which your submission relates (refer the items of Appendix B of the Simplified Modalities and Procedures), if applicable.	AMS-III.G "Landfill methane recovery"
Name of the authors of the query:	Institution: TÜV SÜD romy.welzel@tuev-sued.de

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 DOE:

In AMS III.G v. 06, it is specified in paragraph 15 that "In case of flaring/fuelling it shall be measured using the conditions of the flaring process: $MD_y = LFG_{burnt,y} * w_{CH4,y} * D_{CH4,y} * FE * GWP_{CH4}$ (4)".

In the paragraph 14 of AMS III.G v. 06, the parameter *FE* (flare efficiency) is only defined for the case in which landfill gas is combusted in the flare.

The clarification sought is about determining the flare efficiency (*FE*) for the project activity which destroys recovered methane by other destruction devices (e.g. engines, gas-fired boilers), or by both flares and combustion devices.

We would like to clarify whether 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 applying the flare efficiency to the portion of the biogas used for energy, if separate measurements are not performed."

Furthermore, in SSC_324: Determination of the flare efficiency for project activity involving combustion and/or flaring of recovered methane3, where the answer from the SSC WG states: *"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."*

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Therefore, we would like to clarify whether the answer for SSC_324 can also be applied under AMS.III.G.

The clarification is not specific to a project, however it came about during PDD development of the project" Nanyang Landfill Site LFG Recovery to Electricity Project " in China currently in validation stage with the following detailed description, copied from section A.2 of the PDD:

"Nanyang Landfill site commenced operation in 2000 and currently about 660 tonnes of municipal solid waste is dumped into Nanyang Landfill site every day. Since 2000, the landfill gas was released to the

atmosphere directly without any recovery and utilization. The baseline scenario is the same with the existing scenario.The proposed project involves the installation of a power plant and flare. The gas engines will combust landfill gas, which contains nearly 50% of methane, to produce electricity and export it to the grid."

We are looking forward for an early answer.

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.

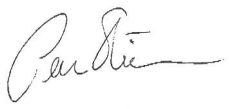
Answer to authors of query by the SSC WG:

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 would like to thank the author for the submission.

The SSC WG agreed to clarify that the response in SSC_324 can also be applied in AMS-III.G, i.e., for the portion of biogas that is combusted for a gainful use of the released energy, a destruction efficiency of 100% can be used.

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



Signature of SSC WG Chair ……..

(Peer Stiansen)

Date: 01/04/2010

Signature of SSC WG Vice-Chair ……..

(Hugh Sealy)

Date: 01/04/2010

Information to be completed by the secretariat	
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