



## 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)*

<b>Date of SSC WG meeting:</b>	01–03 September 2008, SSC WG 17
<b>Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):</b>	Energy efficiency and fuel switching measures for industrial facilities
<b>Indicative methodology to which your submission relates (refer the items of Appendix B of the Simplified Modalities and Procedures), if applicable.</b>	AMS-II.D version 11
<b>Name of the authors of the query:</b>	Henning Thiel Institution: <a href="#">EcoSecurities Group Plc.</a> <a href="mailto:henning.thiel@ecosecurities.com">henning.thiel@ecosecurities.com</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.

The project activity which is under validation involves the modification of an existing industrial process, which results in decrease in specific energy consumption (kWh steam /process output) i.e., a lower amount of energy from low pressure/ temperature steam is consumed in the project activity as compared to high pressure/temperature steam (baseline).

The project boundary includes the process, which is modified as well as the boilers in which steam is generated. The energy baseline is defined as kWh of steam consumption per unit of process output in most recent year of the existing sub-system; each form of energy (steam) will be multiplied with a steam emission factor and the process output in project year y to obtain baseline emissions. The steam emission factor is determined as the weighted average of the cogeneration plant and the waster heat recovery plant. After the project implementation, the energy use (steam) in the project boundary (process) will be monitored in accordance with the paragraph 9 (b) of the methodology AMS-II.D and multiplied with the steam emission factor in order to determine the ‘project emissions’.

The paragraph 2 of the AMS-II.D states “Project activities where it is possible to directly measure and record the energy use within the project boundary” and the paragraph 9 (b) states ‘the monitoring shall consist of metering the energy use of the industrial or mining and mineral production facility, processes or the equipment affected by the project activity’.

It needs to be clarified whether it is acceptable to calculate the energy use based on measured steam flow rate, temperature and pressure, and using standard steam tables.

### **Recommendation by the SSC WG:**

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

Please refer to paragraph 29 of the meeting report of the SSC WG 17  
([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.

It agreed to clarify that the proposed approach is not applicable under the approved methodology AMS-II.D due to the following reasons:

According to paragraph 2 of the methodology, this methodology is applicable to 'Project activities where it is possible to directly measure and record the energy use within the project boundary'. Thus, AMS-II.D requires the direct measurement of the energy use within the project boundary. What is proposed in the project is the calculation of the energy in steam through the measurement of the temperature and pressure of steam and using steam tables.

Given the fact that AMS-II.D is not applicable, the other components of the query (the appropriateness of the proposed steam energy calculation as a route for the measurement of energy use within the project, and the issue of weighted average emission factor) were considered not relevant and not considered by the SSC WG.



Signature of SSC WG Chair .....

(Ulrika Raab)

Date: 03/09/2008



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

(Kamel Djemouai)

Date: 03/09/2008

**Information to be completed by the secretariat**

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