

	CDM: Response form for Request for revision of approved methodologies (version 01.1)
Date of Meth Panel meeting:	04 - 08 May 2009
Title and number of Request for revision	Revision AM0058 to extend heat source to waste incineration and to include new power plant installed at the same time as start of the district heating system AM_REV_0138
Summary of the query: Please use the space below to summarize the request for revision on the related approved methodologies.	
<p>The methodology AM0058, “Introduction of a new primary district heating system”, is applicable to project activities that introduce a new primary district heating system to supply heat to residential and commercial consumers, where the heat comes either:</p> <ul style="list-style-type: none"> (i) Predominantly from a cogeneration plant, CHP. In this case the project may also involve the introduction of new modern heat only boilers to supplement heat from the CHP; or (ii) From heat only boilers, in which case the project boundary includes only existing buildings. <p>The present Request for Revision intends to expand the applicability of this methodology to project activities that:</p> <ul style="list-style-type: none"> (i) Introduce a new cogeneration plant to supply heat to the primary district heating system; and (ii) Recover waste heat from the incineration of municipal solid waste (MSW), to be used in a primary district heating system. <p>Within this context, project proponents have proposed the following modifications to AM0058:</p> <ul style="list-style-type: none"> • Adjust the applicability conditions to allow project activities using (i) heat from new cogeneration/power plants, and (ii) waste heat from MSW incinerators; • Include a procedure to identify the baseline for the electricity produced by the new power plant, using a similar approach as AM0029; • Request the inclusion of the levelized cost of electricity in the economic analysis during the identification of baseline; • Include a procedure to calculate the baseline emissions in the case that historical data of the power plant is available for less than 3 years or for new power plants. In this procedure, the $EF_{BL,EL}$ is calculated using a similar approach as AM0029, in combination with the following conditions: <ul style="list-style-type: none"> ○ If $EF_{BL,EL} < EF_{PJ,EL}$, then $EF_{BL,EL} = EF_{BL,EL}$ ○ If $EF_{BL,EL} > EF_{PJ,EL}$, then $EF_{BL,EL} = 0$ 	
Recommendation by the Meth Panel: (a) Please use the space below to provide amendments /changes (in your expert view, if necessary).	
Not applicable.	

(b) Please use the space below for providing guidance, as per Para 93 of EB25 Report, on what type of projects need to revise the PDD as a consequence of the suggested revision, if the recommendation is to revise the methodology.

Not applicable.

Answer to authors of the request for revision by the Meth Panel :

Please use the space below to provide an answer to the authors of the above query

The recommendation is not to approve this request for revision.

- (1) Concerning the request to expand the applicability of AM0058, to introduce a new cogeneration plant to supply heat to the primary district heating system:

In the responses to AM_REV_0111 and AM_REV_0132, the Meth Panel stressed that it is not evident that in the absence of the project activity, the same type of plant would have been built, as the technological and economic requirements for a CHP may be different than for a power plant without heat utilization. In order to allow for new plants, the methodologies would also need to include guidance on how to determine adequately the fuel and efficiency of the hypothetical baseline plant. With existing plants, this problem is not existent, as the technical characteristics of the plant are already set.

The panel also highlighted that using the approach of AM0029 for new cogeneration plants, presents some problems. AM0029 is a methodology for the implementation of new NG based (power only) power plants that are connected to the grid. In contrast, AM0058 does not specify the type of fuel and a procedure for baseline scenario determination would need to provide guidance on the fuel. Also, the alternative to a specific new cogeneration plant includes not only heat only and power only sources, but different co-generation schemes (e.g. with different ratios of heat vs. power output) must also be considered as alternatives to the proposed activity.

Please, refer to the responses to AM_REV_0111 and AM_REV_0132.

Based on the arguments above and the difficulties in merging the two methodologies, while trying to maintain the full applicability spectrum of AM0058, project proponents are advised to propose a new methodology, that is more specific to their project activity and therefore simpler, rather than trying to submit a new request for revision to build their case on a revision of AM0058.

- (2) Concerning the request to expand the applicability of AM0058, to include recovered waste heat from the incineration of municipal solid waste (MSW), the proposed revision to the methodology does not adequately address the following issue:

Project proponents claim that emissions from MSW incineration will occur irrespective of the existence of the project activity. However, this statement is questionable.

First, it has to be ensured that there will be no diversion of the heat from the MSW incineration plant, i.e. waste heat was not used for other productive purposes prior to the project implementation. Otherwise, this diversion of the heat will lead to increase in leakage emissions. Although the project participants indicated in their request that the waste heat is being dissipated into the atmosphere, and continue to emit in the absence of the project activity, the proposed revision does not adequately address this issue in the methodology.

Second, emissions related to potential variations in the operation and fuel (MSW) consumption of the incineration plant should be taken into account. If the incineration plant increases its capacity, in order to supply extra-heat to the district heating system, this will imply the use of extra MSW that in the absence of the project activity would either be: (i) used for composting, (ii) landfilled, (iii) dumped, or (iv) used for other thermo-chemical processes (e.g. combustion, gasification).

In consequence, the methodology should include provisions in order to either: (a) ensure that no leakage emissions from the MSW use will occur, as a consequence of the project activity, or (b) account for these emissions as leakage.



Signature of Meth Panel Chair

Date: 08/05/2009

(Philip Gwage)



Signature of Meth Panel Vice-Chair

Date: 08/05/2009

(Pedro Martins Barata)

Information to be completed by the secretariat

F-CDM-AM	AM_REV_0138
Name of the authors of the query:	TÜV SÜD
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