



**CDM: Response form for request for clarification on
Approved Methodologies
(version 01.1)**

<i>Date of Meth Panel meeting:</i>	19 - 23 January 2009
<i>Title and number of request for clarification</i>	Thermal use of landfill in industrial processes AM_CLA_0133
Summary of the query:	
Please use the space below to summarize the request for clarification on the related approved methodologies.	
<p>This request for clarification is regarding the ACM0001 (version 9) ““Consolidated baseline and monitoring methodology for landfill gas project activities””.</p> <p>The project developer wishes to develop a landfill gas (LFG) project that in addition to the production of electricity from a LFG engine facility, it is intended to use the LFG for thermal energy applications in nearby industries (brick factories). Landfill gas will be dedicated to coal- and/or natural gas-fuelled kilns that will be retrofitted for landfill gas use as part of the project activity. The excess captured LFG will be combusted in an enclosed flare.</p> <p>There are over 40 existing brick factories surrounding the landfill that could use the LFG within their combustion units (kilns). Currently, all of the brick factory kilns are using coal as a fuel (with the exception of 7 that are using natural gas).</p> <p>As part of the project activity, the project developer will only claim the emission reductions for methane destruction. The emission reductions for the substitution of fossil fuels would not be part of this CDM project.</p> <p>As described in the monitoring plan in the attached PDD and as require by the methodology ACM001 version 9, the landfill gas flow at each combustion unit and the running hours of each combustion unit will be continuously monitored.</p> <p>As required and for conservativeness purpose the lowest value between the sum of the flow at each combustion unit and the total flow monitored at the landfill will be used for the emission reduction calculation.</p> <p>The methodology ACM0001 version 09 applicability criteria refers to the use of the captured landfill gas to produce energy (e.g. electricity, thermal energy) which apply to the scope of this project since landfill gas will be used to produce thermal energy to heat brick factory kilns. However other sections of the methodology ACM0001 version 9 (page 9, 10, 11, 12, 15) only give as a reference the use of landfill gas into dedicated thermal units such as boilers or energy plants.</p> <p>Clarification is sought on whether ACM0001 version 9 is applicable when the landfill gas is used and destroyed by combustion in brick factory kilns located around the landfill site.</p>	
Recommendation by the Meth Panel:	
Please use the space below to provide amendments /changes (in your expert view, if necessary).	
See below.	

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

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

ACM0001 “is applicable to landfill gas capture project activities, where the baseline scenario is the partial or total atmospheric release of the gas and the project activities include situations such as:”

“(b) The captured gas is used to produce energy (e.g. electricity/thermal energy)”

So the methodology would be applicable to the case where the LFG is used in the brick factory kilns, though no procedures are there in the methodology to estimate emission reductions for the fuel switch associated to the thermal energy production.

The methodology has been **revised** to clarify that “Emission reductions can be claimed for thermal energy use, only if the LFG is used in a boiler or in an air heater. For claiming emission reductions for other thermal uses (e.g. kiln), project proponents may submit a revision to this methodology.” The methodology was further revised to add air heater efficiency estimation procedure.

Therefore the Meth Panel would like to clarify that methodology ACM0001 is applicable when the landfill gas is used and destroyed by combustion in brick factory kilns, but that no emission reductions can be claimed for the thermal energy use. Emission reductions can only be claimed for methane destruction in such cases.



Signature of Meth Panel Chair

Date: 23/01/2009

(Akihiro Kuroki)



Signature of Meth Panel Vice-Chair

Date: 23/01/2009

(Philip Gwage)

Information to be completed by the secretariat

F-CDM-AM	AM_CLA_0133
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