



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

<i>Date of Meth Panel meeting:</i>	7 - 11 March 2011
<i>Title and number of request for clarification</i>	Inquiry regarding the applicability of ACM0014 to a baseline scenario with covered lagoons without biogas recovery AM_CLA_0199

Summary of the query:

Please use the space below to summarize the request for clarification on the related approved methodologies.

ACM0014 “Mitigation of greenhouse gas emissions from treatment of industrial wastewater” is applicable to project activities that aim at reducing methane emissions from industrial wastewater treatment. The methodology is applicable for two scenarios and in one of the scenarios, in the baseline situation, the wastewater is directed to open lagoons that have clearly anaerobic conditions.

The request seeks clarification whether a ‘covered lagoon’ with ventilation ducts can be considered as equivalent to a ‘open lagoon’, since both are characterized by having clearly anaerobic condition.

The project participants further inform that the wastewater was being treated in the open lagoons until May 2008, when the lagoon was covered with High Density Polyethylene (HDPE) and the biogas was released through the ventilation duct, after local residents complained about odour from the lagoons.

An expert opinion on reduction of odour from lagoons explains that the odours were resulting from ethanol present in the wastewater and by covering the lagoon, it helped to reduce the surface area for ethanol vaporization, thus reducing the odour.

Furthermore, the DOE has provided an on-site assessment of the case (site visit from 01/07/2010 to 02/07/2010) confirming that the biogas from the lagoon was not collected and not used for any energy generation purposes and the ventilation ducts were functional.

The project participants have also submitted laboratory results which demonstrate that the ‘open lagoon’ removed 75% of the COD in the wastewater whereas the ‘covered lagoon’ with ventilation ducts removed 77% of the COD in the wastewater. It shows that the COD removal efficiency of the ‘covered lagoon’ is higher than that of ‘open lagoon’.

Recommendation by the Meth Panel:

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

Please refer to the next section.

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

The Meth Panel clarifies that as per approved methodology ACM0014, a 'covered lagoon' with ventilation ducts cannot be considered as equivalent to an 'open lagoon'.

Therefore, the Meth Panel recommends that the project participants may submit a request for revision (following the "Procedure for the submission and consideration of requests for revision of approved baseline and monitoring methodologies and tools for large scale CDM project activities" annex 2, EB 54) on the methodology to expand its applicability to the baseline situation where the wastewater is treated in the covered lagoon.

The revision of the methodology should also include:

- (1) Information on how to estimate the parameters for the case of 'covered lagoon', including default parameters, which are currently associated with the wastewater treatment in the open lagoon e.g. AD_{BL} , MCF etc;
- (2) Information on how to demonstrate that the biogas from the covered lagoon was not collected and used for any energy generation purposes historically; and
- (3) A definition of 'covered lagoon' which should also include the acceptable reasons for covering the lagoon.

Signed by the Chair, Mr. Philip Gwage

Date: 11/03/2011

Signed by the Vice-Chair, Mr. Lex de Jonge

Date: 11/03/2011

Information to be completed by the secretariat

F-CDM-AM	AM_CLA_0199
Name of the authors of the query:	TUEV-Rheinland
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