



**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:	21–24 June 2011, SSC WG 32
Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):	Revision of AMS-III.F to include composting of sewage sludge
Indicative methodology to which your submission relates (refer the items of Appendix B of the Simplified Modalities and Procedures), if applicable.	AMS-III.F “Avoidance of Methane emissions through composting”
Name of the authors of the query:	Vishal Kumar Institution: Ernst & Young, Kingdom of Bahrain <a href="mailto:dinesh.aggarwal@bh.ey.com">dinesh.aggarwal@bh.ey.com</a> , <a href="mailto:vishal.kumar@bh.ey.com">vishal.kumar@bh.ey.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.

Original text from PP

**Background**

The project proponent is engaged in treatment of domestic wastewater generated from Muscat city in Oman through sewage (domestic wastewater) treatment plants (STPs). During the treatment of wastewater, large quantity of sewage sludge is generated. In the current practice, this sludge is dewatered and then dumped in the landfill along with other municipal waste. The uncontrolled anaerobic conditions at the landfill lead to methane generation which is released to the atmosphere. The project activity involves setting up composting plant for aerobic treatment of the sewage sludge & garden/park waste to avoid methane emissions.

**Methodology**

*As per para 1 of methodology AMS.III.F ver 10 “Avoidance of methane emissions through composting”, it comprises the measures to avoid the emissions of methane to the atmosphere from biomass or **other organic matter** that would have otherwise been left to decay anaerobically in a solid waste disposal site (SWDS), or in an animal waste management system (AWMS), or in a **wastewater treatment system (WWTS)**. In the project activity, controlled aerobic treatment by composting of biomass is introduced.*

*As per para 4, this methodology is applicable to the composting of the organic fraction of municipal solid waste and biomass waste from agricultural or agro-industrial activities including manure.*

Though the para 1 includes *any other organic matter*, the para 4 does not specifically mentions whether sewage sludge is included in the applicability conditions or not. However, UNFCCC does recognise that sewage sludge contains organic matter and it is sometimes (in some of the countries) included in Municipal Solid Waste (IPCC 2006 Volume 5, section 2.2.2). It can be substantiated by the fact that the “Tool to determine methane emissions avoided from disposal of waste at a solid waste disposal site” which the methodology AMS.III.F refers to estimate methane generation from organic waste disposal at landfill sites, provides the default value of *decay rate (kj)* for sewage sludge and the Methodologies Panel in its 49th meeting has recommended to include default value of *degradable organic carbon (DOCj)* for the same.

It is therefore requested to specifically include “Sewage Sludge” in para 4 of the methodology along with *municipal solid waste and biomass waste from agricultural or agro-industrial activities including manure* so that the project activity could meet the applicability conditions of the methodology. The revision requested is highlighted in the attached draft.

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

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

Please refer to paragraph 12 of the meeting report of the SSC WG 32  
<[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.

The SSC WG agreed not to recommend a revision of AMS-III.F, but rather to clarify that composting of sewage sludge as described by the project proponent is covered in the current version of AMS-III.F, i.e. in case sewage sludge is disposed in landfill in the baseline, it corresponds to the scenario where organic matter is left to decay in the solid waste disposal site (SWDS), as covered in paragraph 1, and the corresponding emissions are estimated using the “Tool to determine methane emissions avoided from disposal of waste at a solid waste disposal site”.

Signed by the Chair, Ms. Fatou Gaye

Date: 24/06/2011

Signed by the Vice-Chair, Mr. Peer Stiansen

Date: 24/06/2011

#### **Information to be completed by the secretariat**

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