



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)

<i>Date of SSC WG meeting:</i>	16–19 August 2010, SSC WG 27
<i>Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):</i>	Clarification on the applicability of AMS-III.H to wastewater and solid biomass waste generated in agro-industrial activities in one digester
<i>Indicative methodology to which your submission relates (refer the items of Appendix B of the Simplified Modalities and Procedures), if applicable.</i>	AMS-III.H “Methane recovery in wastewater treatment”
<i>Name of the authors of the query:</i>	Daniel Blank Institution: GFA ENVEST daniel.blank@gfa-envest.com

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 Stakeholder:

We kindly ask for clarification regarding the following activity:

Background:

Similar to the request for clarification SSC_423 in our project activity it is aimed to co-treat wastewater and solid biomass waste within one treatment plant. In difference to SSC_423, here, the main activity is the improvement of the wastewater treatment.

Baseline: In an agro-industrial plant starch is extracted from roots, a process in which organic loaded wastewater and solid biomass waste accrue. In the baseline scenario wastewater is treated in an open anaerobic lagoon system and solid biomass waste decays on a (partially anaerobic) disposal site.

Project Activity: The project activity aims to treat wastewater and solid biomass waste together in an anaerobic digestion plant (biogas plant) in a co-fermentative process. The biogas plant will be introduced as sequential stage in the existing open anaerobic wastewater lagoon treatment system.

The project activity treatment system will most likely result in a higher methane conversion factor (MCF) than the treatment systems used in the baseline situation. The amount of biogas recovered can only be monitored as one stream and can not be allocated to each of the two substrates (wastewater and solid biomass).

All biogas recovered shall be used for electricity generation and exported to the national grid applying AMS-I. D.

Questions:

- Is AMS-III.H, version 14, applicable to the described project activity?
- In case AMS-III.H is NOT applicable, we would like to know if the project activity can be implemented as described (i.e. co-treatment of wastewater and solid biomass waste in one digester), but only considering baseline emissions from anaerobic decay for the wastewater component?

- c) Can the described project background with the two types of biomass be developed under AMS-I.D for the component “renewable electricity generation”, especially with respect to monitoring?
- d) In the response to SSC_423 the questions concerning AMS-III.F were answered by stating that AMS-III.F is generally applicable to the co-treatment of solid biomass wastes with wastewater, but it was suggested to request a revision of the methodology. In case of the acceptance of this revision, where is the limit between an “improved wastewater treatment activity” (AMS-III.H) and a “controlled biological treatment of solid waste” (AMS-III.F)? At 50% volume fraction?

Recommendation by the SSC WG:

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

Please refer to paragraph 23 of the meeting report of the SSC WG 27 (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 to clarify that:

- With respect to question 1, AMS-III.H, in principle, is intended for wastewater treatment and treatment of sludge generated during the treatment of wastewater in the treatment works. It is not applicable to the underlying project which is co-digestion of wastewater and solid biomass waste (pulp).
- With respect to question 2 and 4, since the *ex post* emission reduction determination in AMS-III.H requires the monitoring of the recovered biogas (please see para 31, AMS-III.H version 15), it will not be possible to allocate the biogas produced from the wastewater component and from solid biomass component in the underlying project described. Hence, such a requirement in AMS-III.H automatically disqualifies the underlying project activity even if only the wastewater component will be accounted for baseline emission. The project proponent may wish to note that the SSC WG, taking into account the case of SSC_445, is considering to recommend a revision of AMS-III.F for co-digestion of biomass waste and wastewater. The new version, which will be finalized by the next meeting for recommendation to the Board, will provide further methodological distinctions between AMS-III.H and AMS-III.F and will cover the project activity described in this submission.
- With respect to question 3, the underlying project activity can be developed to include a biogas utilization component applying AMS-I.D for electricity generation, as long as the relevant requirements in AMS-I.D are also met.

Signed by the Chair, Mr. Peer Stiansen

Date: 19/08/2010

Signed by the Vice-Chair, Mr. Hugh Sealy

Date: 19/08/2010

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