



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 February 2010, SSC WG 24
<i>Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):</i>	Clarification on the treatment of the liquid digester effluent and the proper soil application of the final sludge
<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.D, ver. 15
<i>Name of the authors of the query:</i>	Isabelle van Zyl Institution: Farmsecure Carbon ivanzyl@farmsecure.co.za

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:

Reference to following technology/measure:

The project activity shall satisfy the following conditions:

(a) The final sludge must be handled aerobically. In case of soil application of the final sludge the proper conditions and procedures (not resulting in methane emissions) must be ensured

We would like to ask for clarification on the following:

- Does the final sludge in 2. (a) only refer to the solid phase of the digester effluent?
- Are there any specifications on the conditions and procedures for soil application?
- Are there any specifications on what should happen to the liquid phase of the digester effluent?

Recommendation by the SSC WG:

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

Please refer to paragraph 27 of the meeting report of the SSC WG 24
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 the remaining methane generating potential of the effluents from the

anaerobic digester can be neglected, only when:

- The effluent, irrespective of whether it is in liquid, slurry or solid phase produced from the project activity applying AMS-III.D is treated aerobically; or,
- In case the effluent is going to be treated anaerobically, the resultant methane emission is to be destroyed (e.g., recovered and flared) and no claim for reductions is made from this component.

For the case where digested effluent may be stored for a long term as described by the project proponent, the methane emissions will occur very quickly once anaerobic pockets are present. The SSC WG, therefore, agreed to further clarify that methane emissions due to digested effluent storage should be quantified and considered as project emissions. One possible solution is to measure the remaining volatile solid (VS) in the digested manure and multiply by a default factor (e.g., liter CH₄/VS) which could be found in peer-reviewed papers/literatures. In doing so, the project proponent needs to submit a request for revision of AMS III D with proper justifications.

The SSC WG further clarified that the conditions for proper soil application ensuring aerobic conditions can be established by a local expert taking into account the soil conditions, crop types grown and weather conditions.



Signature of SSC WG Chair

(Peer Stiansen)

Date: 19/02/2010



Signature of SSC WG Vice-Chair

(Hugh Sealy)

Date: 19/02/2010

Information to be completed by the secretariat

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