# 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)***

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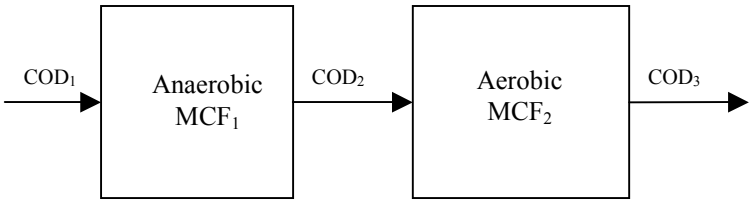
| *Date of SSC WG meeting:* | 11 - 13 February 2008, SSC WG 14 |
| *Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):* | Calculations of baseline emissions from wastewater systems with are partial anaerobic |
| *Indicative methodology to which your submission relates (refer the items of Appendix B of the Simplified Modalities and Procedures), if applicable.* | AMS III.H. version 8 |
| *Name of the authors of the query:* | Hendrik Brinks<br>Institution: DNV<br>Hendrik.Brinks@dnv.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.

Clarification is requested on the baseline calculations in AMS III.H version 8 in case of multiple treatment systems.

AMS III.H may be applicable to projects activities that have a baseline with partial anaerobic and partial aerobic decomposition of organic matter, e.g. scenario (iv) of the methodology. The underlying project activity, currently under validation, has several lagoons where only the first one is anaerobic, the remaining systems are aerobic.




According to AMS III.H baseline emissions are calculated as follows: $BE = Q * COD_1 * B_0 * MCF_1 * GWP_{CH4}$. However for cases when $COD_2 > 0$ baseline emissions might be overestimated.

It is suggested to change the formula for baseline emissions for project activities belonging to scenario (iv), that recover biogas by means of a membrane over the anaerobic lagoon without significantly changing the ratio between $COD_2$ and $COD_1$, into:

$BE = Q*B_0*GWP_{CH4}*\Sigma_i (COD_{i+1} - COD_i)*MCF_i$

**Recommendation by the SSC WG:**

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

Please refer to paragraphs 8 and 31 of the meeting report of the SSC WG 14 (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 in the case of sequential treatment systems involving anaerobic and aerobic systems, chemical oxygen demand (COD) removed by the anaerobic system/s shall be considered for conservative and accurate estimation of baseline emissions.

In order to clarify the application of AMS III.H to sequential treatment systems, the formulas of AMS III.H have been recommended for revision as contained in annex 3 of the fourteenth meeting report of the SSC WG (see formulas 2, 6, 17, 18 and 20). *Ex ante* baseline emissions are now based on COD removed in the anaerobic system/s, which is the difference of inflow COD and the outflow COD in these systems.

Signature of SSC WG Chair ……..

*(Ulrika Raab)*

Date: 19/02/2008

Signature of SSC WG Vice-Chair ……..

*(Kamel Djemouai)*

Date: 19/02/2008

| **Information to be completed by the secretariat** | |
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| SSC-Submission number | SSC_158 |
| Date when the form was received at UNFCCC secretariat | 19 February 2008 |
| Date of transmission to the EB | 19 February 2008 |
| Date of posting in the UNFCCC CDM web site | 19 February 2008 |