CDM: Recommendation form for Small Scale Methodologies (Version 01.1)

(To be used for presenting questions/proposals/amendments to the simplified methodologies for small-scale CDM project activity categories)

Date of SSC WG meeting:	09−12 October 2012, SSC WG 39
Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):	Revision of AMS-III.AJ to cover Polypropylene
Indicative methodology to which your submission relates *(refer the items of Appendix B of the Simplified Modalities and Procedures)*, **if applicable:**	AMS-III.AJ "Recovery and recycling of materials from solid wastes"
Name of the authors of the query:	Matthias Seitz / Bernhard Gerstmayr / René Peche Institution: bifa environmental institute mseitz@bifa.de, bgerstmayr@bifa.de, rpeche@bifa.de

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:

A) Implementation of new plastic type PP

The methodology AMS-III.AJ comprises activities for recovery and recycling of high density polyethylene (HDPE), low density polyethylene (LDPE) and Polyethylene Terephthalate (PET) materials in the municipal solid waste to process them into intermediate or finished products. However there are other types of plastics which can be recycled to displace the production of virgin materials in dedicated facilities thereby resulting in energy savings and hence emission reductions.

The revision is proposed to include the project activities for recovery and recycling of Polypropylene (PP) to process them into intermediate or finished products. The default values for PP have been taken from published American Chemistry Council data:

Cradle-to-Gate Life Cycle Inventory of Nine Plastics Resins and Four Polyurethane Precursors (2011)

It is assumed that natural gas supplies the process energy required for the thermal cracking to produce propylene contained in PP; a default specific energy consumption of 13 GJ/t shall be used.

It is assumed process energy for polymerization and extrusion is supplied with electricity. The following default values shall be used: 3 GJ/t (0.83 MWh/t).

Used default values has been compared and verified to data from PlasticsEurope: *Eco-profiles of the European Plastics Industry 2005 - POLYPROPYLENE (PP)*.

B) Changes to improve understanding and applicability of the methodology

1. passage "Recycling Facility": To be consistent with the wording in the passage "Mechanical Recycling", footnote no. 3 is deleted and content is placed directly into the continuous text.

2. passage 1: The term "wastes" does leave the possibility to include "waste fractions" from waste streams that have already undergone a separation or recycling process. However, the formulation in the methodology should express this explicitly.

sub-point 1: Confusion between the concepts of "facility" and "activity"; "activity" is not clearly defined.

sub-point 2: Original text is conceivable; e.g. measurement and recording by taking net weights and

list keeping. But reliable accounting will still be difficult to assure. Especially in the informal sector which conducts a huge share of the recycling activities in developing countries. Many of these organisations suffer from a very basic level of organisation. Malpractice and/or wrong reporting will be a considerable risk. The alternative would be to do the accounting at the "formalized" receiving processing/manufacturing facility.

sub-point 3: To be consistent with the wording in 3. sub-point 4 insert a dedicated sub-point for "The Project Design Document (PDD) shall …"

sub-point 3: To be consistent with the wording in 3. sub-point 4 insert examples why double counting may appear.

3. sub-point 2: To be consistent with the wording in 2. sub-point 2 insert possible segregation types.

sub-point 6: Case of paper and cardboards is not mentioned for formal sector activities.

5. Without the extra comma the sentence is extremely difficult to read and to understand.

7. It is not clear whether the points mentioned are alternatives or all obligatory.

9. (i): The thermal cracking is a main element in PET production and the comparison of the methodology data with LCA results from e.g. PlasticsEurope and The American Chemistry Council clearly demonstrate this.

(iv) Correction of typing error.

13. Formula: Due to missing $Q_{i,y}$ the formula result unit is [tonnes CO_2 / tonne of material recycled]. This does not equate the other units for BE_y and PE_y [tonnes CO_2].

16. passage 1: Correction of typing error.

Table No. 1: Distance of transportation is no longer an aspect in version 03.

Table No. 2: Cross-check is only needed for case B (see 3. sub-point 2).

Table No. 5: Correct reference.

Recommendation by the SSC WG:

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

Please refer to paragraph 18(a) of the meeting report of the SSC WG 39 <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 recommend a revision of AMS-III.AJ "Recovery and recycling of materials from solid wastes", as contained in annex 4 of the SSC WG 39 meeting report.

Signature of SSC WG Chair: Mr. Peer Stiansen

Date: 12/10/2012

Signature of SSC WG Vice-Chair: Ms. Fatou Gaye

Date: 12/10/2012

SECTION TO BE FILLED IN BY THE UNFCCC SECRETARIAT	
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History of the document

Version	Date	Nature of revision(s)
01.1	12 April 2012	Editorial changes to include new logo and other improvements.
01.0	2005	Initial publication.
Decision Class: Regulatory **Document Type**: Form **Business Function**: Methodology		