

CDM-SSCWG39-A08

Automatic additionality of projects applying AMS-III.D for biogas recovery from animal management system

Version 01.0

DRAFT



United Nations
Framework Convention on
Climate Change

COVER NOTE

1. Procedural background

1. At its thirty-ninth meeting, the SSC WG, among others, proposed a simplified requirement for additionality demonstration for project applying AMS-III.D, for the Board's approval.

2. Purpose

2. This document serves to providing the rationale and analysis for such a proposal.

3. Key issues and proposed solutions

3. Project activities applying AMS-III.D are imparted automatic additionality if it can be shown that there is no regulation in the host country that requires the collection and destruction of methane from livestock manure. Such a proposal is consistent with the approach approved by the Board in the context of standardized baseline and also supported by other researches as explained in the information note.

4. Impacts

4. The simplified requirement for additionality demonstration will streamline the development of this type of project.

5. Proposed work and timelines

5. No further work is envisaged.

6. Budget and costs

6. No budget implications.

7. Recommendations to the Board

7. Not applicable.

1. Introduction

1. At its thirty-ninth meeting, the SSC WG proposed a simplified requirement for additionality demonstration for project applying AMS-III.D, for the Board's approval. This document serves to provide the rationale and analysis for such a proposal.

2. Applicability

2.1. Rationale and analysis

2.1.1. The proposal is consistent with the approach in standardized baseline guideline¹

2. At its sixty-fifth meeting, the Board approved the second version of the *“Guidelines for the establishment of sector specific standardized baseline”*, in which guideline for additionality demonstration is provided for methane destruction projects as quoted below:

“The Measure 3: Methane destruction

34. This measure may include methane destruction in landfill, biogas digesters to treat manure or wastewater including recovery, flaring, and use of methane captured.

Additionality demonstration

36. If the level of methane destruction undertaken by a measure is higher than what is mandatory and enforced in the area defined under paragraph 34 above, then that measure of methane destruction is additional.”

2.1.1.1. Analysis of existing CDM projects

3. Out of 156 registered projects applying AMS-III.D, only two projects were rejected: one project was rejected due to failure to demonstrate compliance with applicability conditions and incorrect application of investment analysis and the other was rejected due to incorrect calculation of the baseline emission factor.

2.1.1.2. Technology and penetration

4. The use of anaerobic digesters for biogas recovery at animal farms is analysed. It is found that the technology penetration rate is only 0.06% even in U.S. With a broad assumption, it is believed that this technology will have a comparable or most likely lower penetration rate in developing countries.

¹ *“Guidelines for the establishment of sector specific standardized baseline”*

Table 1. Anaerobic digesters at dairy and swine farms

Type of farm	Number of US Farms ⁵	Number of farms with anaerobic digester ⁶	Per cent of US farms with anaerobic digester
Dairy	91,989	93	0.1
Swine	78,895	20	0.02
Total	170,884	113	0.06

2.1.1.3. Manure management project in other offset programmes

5. Additionality assessment of manure management projects in other offset programs were also reviewed, that is manure management protocols from U.S. and Mexico offset programs. It was found that installation of biogas control systems is considered as not common practice in those programmes, thereby imparted automatic additionality.

Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
01.0	25 October 2012	SSCWG 39, Annex 8. The rationale and analysis for simplified requirement for additionality demonstration of project activities applying AMS-III.D is provided.

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