CLEAN DEVELOPMENT MECHANISM

ASB0027

Standardized baseline

Methane recovery from wastewater treatment in the sugar industry in Uganda

Version 01.0

United Nations
Framework Convention on
Climate Change

TABLE OF CONTENTS **Page**

1. Introduction

1. This standardized baseline provides an ex-ante parameter for baseline emissions estimation and standardized additionality provisions for wastewater treatment project activities in the Ugandan sugar industry.

2. Scope, applicability, and entry into force

2.1. Scope and applicability

2. The scope of this standardized baseline covers an ex-ante baseline emissions parameter and standardized additionality provisions.

3. The proposed standardized baseline is developed using a combination of (a) the approach contained in the "Guidelines for the establishment of sector specific standardized baselines" and (b) a methodological approach contained in small-scale methodology, AMS-III.H: "Methane recovery in wastewater treatment" for the establishment of ex-ante baseline emission parameter. The methodological tool "Demonstration of additionality of microscale project activities" is also applied for the standardization of additionality.

4. This standardized baseline is only applicable to small scale CDM project activities implemented in Uganda.

5. The CDM project activities can apply this standardized baseline under the following conditions:

   (a) The standardized baseline can only be used in conjunction with the latest approved version of the small-scale methodology AMS-III.H. "Methane recovery in wastewater treatment";

   (b) All the applicability conditions of AMS-III.H. "Methane recovery in wastewater treatment" shall apply;

   CDM project activities shall be incompliance with national environmental requirements and water discharged shall meet the legislation in Uganda.

2.2. Entry into force and validity

6. This standardized baseline enters into force upon adoption by the CDM Executive Board on 18 October 2016. This standardized baseline is valid for from 18 October 2016 to 17 October 2019.

3. Normative references

7. This standardized baseline is based on the proposed new standardized baseline PSB0038 "Uganda's Standardized Baseline for Methane Recovery from Sugar Industry Wastewater Treatment" submitted by the DNA of Uganda.

8. For more information regarding the proposed new standardized baseline as well as their consideration by the CDM Executive Board please refer to <http://cdm.unfccc.int/methodologies/standard_base/index.html >.

4. Definitions

9. The definitions contained in the latest version of the approved small scale methodology AMS-III.H ““Methane recovery in wastewater treatment” shall apply.

10. The definitions contained in the Glossary of CDM terms shall apply.

5. Parameters, values and positive list

11. This standardized baseline provides a standardized value for the parameter $COD_{inflow,y}$ (chemical oxygen demand of the wastewater inflow to the baseline treatment system i in year y), which is applied by the approved small scale methodology AMS-III.H ““Methane recovery in wastewater treatment” for ex-ante estimation of emission reductions.[1]

12. The provisions in the methodology AMS-III.H for determining the ex-ante values of the parameters listed in Table 1 below do not apply. Instead, project participants shall use the standardized value provided in the Table 1 below.

Table 1 Standardized values

Parameter	Unit	Description	Standardized Values	Source	Application
$COD_{inflow,y}$	t/m^3	Chemical oxygen demand of the wastewater inflow to the baseline treatment system i in year y	0.0015	Based on the data provided in PSB0038.	Equations 2 and 8 of AMS-III.H v18[2]

13. The provisions on the demonstration of additionality in the methodology AMS-III.H do not apply if the project participants are able to demonstrate that the project activity complies with the provisions of the following simplified approach.

14. Project activities that destruct methane through a flare system are deemed additional if it is demonstrated that**:**

(a) The existing treatment system is an anaerobic lagoon and waste water discharged meets the Ugandan legislation; and

(b) There is no regulation applicable to the project site that requires the management of biogas from industrial wastewater treatment.

15. Project activities that include a power generation component and apply a Type I methodology are deemed additional if the installed capacity is less than 5 MW.

[1] For the calculation of the ex-post emission reductions, the relevant parameters will be monitored in accordance with the methodology AMS-III.H

[2] The standardized baseline can be used together with future versions of methodology AMS-III.H, as long as the requirements related to the parameters mentioned in table 1 do not change.

16. Project activities are deemed additional if the expected achieved emission reductions are lower than 20 $ktCO_2e$ per year as per the Methodological tool "Demonstration of additionality of microscale project activities".

- - - - -

Document information

Version	*Date*	*Description*
01.0	18 October 2016	Initial publication. This standardized baseline is approved by CDM Executive Board in accordance with the "Procedure for development, revision, clarification and update of standardized baselines" (CDM-EB63-A28-PROC).

Decision Class: Regulatory
Document Type: Standard
Business Function: Methodology
Keywords: Uganda, ex-ante, methane, SSC project activities, standardized baseline, urban, water