





## Validation opinion for post registration changes

Title of project activity:		
SASSA low pressure solar water heater programme		
CDM reference number:	DNV project No.:	
4302	PRJC-474160-2013-CCS-ITA	
Date:	Validation of the changes were conducted:	
02/04/2014	<input type="checkbox"/> Prior to the commencement of a verification of the project activity <input checked="" type="checkbox"/> When performing a verification of the project activity	
Work carried out by (name & signature):	Work verified by (name & signature):	Approved by (name & signature):
 Francesca Feller	 Felipe Lacerda Antunes	 Michael Lehmann

## Overview of post registration changes

Type of post registration change		Are the changes of a type specified in Appendix 1 of the CDM Project Standard? Note: In case of "No", prior approval by the EB is required
A: Temporary deviations from the registered monitoring plan and/or monitoring methodology (refer to section A)		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> No post registration change of this type
Applicable period for proposed deviations (inclusive):	From DD/MM/YYYY start date of the earliest included deviation to DD/MM/YYYY end date of the latest included deviation)	
B: Corrections (refer to section B)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No post registration change of this type
C: Changes to the start date of the crediting period (refer to section C) <i>Prior approval by the CDM EB is not required in case of (a) bringing forward the start date up to one year earlier or (b) postponing the start date by up to one year (by up to two years for project activities in LDCs).</i>		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> No post registration change of this type
Proposed start date of the crediting period:	DD/MM/YYYY (changed from DD/MM/YYYY)	
D: Permanent changes from the registered monitoring plan or applied methodology (refer to section D)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No post registration

	change of this type
E a): Changes to the project design of a registered project activity (refer to section E)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> No post registration change of this type
E b): Changes to the programme design of a registered PoA (refer to section E)	Note: All changes to the programme design of a registered PoA require prior approval by the EB. <input checked="" type="checkbox"/> No post registration change of this type
F. Changes specific to afforestation or reforestation project activities (refer to section F)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> No post registration change of this type

## **A. Temporary deviations from the registered monitoring plan and/or monitoring methodology**

Not applicable.

## **B. Corrections**

### **B.1 Description of corrections**

The CPA-DDs for CPA-002 to CPA-007 have been updated to incorporate the corrections made to the PoA-DD during the verification of the first monitoring period. The corrections are:

1. The list of information to be recorded in the database has been modified to exclude the confirmation that the dwelling has electricity and water connection, since this is a pre-requisite for installation by SASSA. Moreover, the PoA-DD now indicates that households are identified in the database based on street address, GPS coordinates and an additional unique ID number allocated to each system in the database, since the PP realized during the implementation of the project activity that ERF numbers were not univocal;
2. In the CPA-DD, parameter EF grid was moved to the monitoring plan. In the CPA-DD template version available at the time of inclusion this parameter was listed among the data and parameters available at validation, but the registered monitoring plan clearly indicated the parameter has to be updated at the time of each issuance. The correction therefore makes it more clear that the parameter is monitored.

DNV verified the information contained in the revised CPA-DDs against the registered versions available on the UNFCCC website, and can confirm that the revised copies contain the same information as the registered version apart from the following:

- Eneco Energy Trade B.V from the United Kingdom has been added as project participant in section A.4 of the PoA-DD since this PP was added after registration, as confirmed by

the MoC (Annex 2) found on the UNFCCC website and valid from 8 May 2012. This change is considered acceptable as the addition of a project participant was approved by the UNFCCC before the current verification;

- References to different sections of the PoA-DD have been adapted to the version 02 of the PoA-DD template for clarity;
- References to the generic CPA-DD have been adapted to refer to part II of the PoA-DD for clarity.

## **B.2 Assessment of corrections**

DNV confirms that the revised documents correctly incorporate the corrections made to the PoA-DD.

## **C. Changes to the start date of the crediting period**

Not applicable

## **D. Permanent changes from the registered monitoring plan or applied methodology**

### **D.1 Description of the revision of the monitoring plan**

The CPA-DDs for CPA-002 to CPA-007 have been updated to incorporate the post registration changes made to the PoA-DD during the verification of the first monitoring period, and approved by the CDM EB on 13 October 2013. The changes are:

Parameter  $T_c$  – Incoming cold water temperature – and V - Volume of daily cold water flow have been added to the list of parameters to be monitored by CPAs in section B.7.1 of the revised PoA-DD. This because both parameters were included in the description of the monitoring plan of the registered PoA-DD, but were absent from the list of parameters to be monitored. Section B.7.1 of the revised PoA-DD is now in line with the registered monitoring plan.

Moreover, in order to address instances where residents were not at home at the time the household was visited as part of the operationality survey, the project participant intends to apply the following criteria:

1. If access can be gained to the SWH unit, without breaching Health and Safety regulations or causing damage to property and the unit can be inspected without the home owner being present, then the unit is inspected according to the operationality checklist;
2. If the home owner is not home and there is no access to the unit and it cannot be inspected, the house in closest proximity (next door), to the random sampled house where the home owner was present would be inspected according to the operationality checklist. This incident would be indicated and declared on the operationality checklist to manage quality control.

### **D.2 Assessment of the revision of the monitoring plan**

The proposed revision of the monitoring plan ensures that the level of accuracy or completeness in the monitoring and verification process is not reduced as a result of the

revisions. The proposed revision of the monitoring plan is in accordance with the approved monitoring methodology applicable to the project activity whilst ensuring the conservativeness of the emission reductions calculation. This is the project's second verification. No findings from the first verification needed to be taken into account.

**E. Changes to the project or programme design of a registered project activity or PoA**

Not applicable

**F. Changes specific to afforestation or reforestation project activities**

Not applicable

## **Validation opinion**

The CPA-DDs for CPA-002 to CPA-007 have been updated to incorporate the corrections and post registration changes made to the PoA-DD during the verification of the first monitoring period, and approved by the CDM EB on 13 October 2013.

The monitoring plan ensures that the level of accuracy or completeness in the monitoring and verification process is not reduced as a result of the revisions and the proposed revision of the monitoring plan is in accordance with the approved monitoring methodology applicable to the project activity whilst ensuring the conservativeness of the emission reductions calculation.

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