
VALIDATION OPINION FOR REVISION OF REGISTERED MONITORING PLAN

Hebei Jiantou Biomass Power Co., Ltd

**Hebei Jinzhou 24MW Straw-fired
Power Project**

UNFCCC Reference Number: 0778

SGS Climate Change Programme

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1. Introduction

1.1 Objective

Paragraph 57 of the modalities and procedures for the CDM allow project participants to revise monitoring plans in order to improve accuracy and/or completeness of information, subject to the revision being validated by a Designated Operational Entity.

Hebei Jiantou Biomass Power Co., Ltd has commissioned SGS to perform such a validation of the revision of monitoring plan according to the procedure detailed in Annex34 to EB26 meeting report. The original monitoring plan is part of the PDD of the registered CDM project: Hebei Jinzhou 24MW Straw-fired Power Project (hereafter referred to as Jinzhou Project), UNFCCC reference number 0778. The purpose of this validation is to have an independent third party assessment to the revision of monitoring plan, in particular, the level of accuracy or completeness in the proposed revision of the monitoring plan, and the conformity with the approved monitoring methodology applicable to the project activity.

1.2 Scope

The scope of the validation is defined as an independent and objective review of the revision of monitoring plan and other relevant documents. The information in these documents is reviewed against Kyoto Protocol requirements, UNFCCC rules, approved methodology and associated interpretations. SGS has employed a risk-based approach in the validation, focusing on the identification of significant risks for project implementation and the generation of CERs.

The validation is not meant to provide any consulting towards the Client. However, stated requests for clarifications and/or corrective actions may provide input for improvement of the project design.

1.3 GHG Project Description

Hebei Jinzhou 24MW Straw-fired Power Project was registered on 4 March 2007, UNFCCC Ref number 0778, and the first crediting period is from 04/03/2007 to 03/03/2014.

1.4 The names and roles of the validation team members

Name	Role
Qi Yang	Team Leader / Lead Assessor
Niclo Deng Wei	Assessor
Simon Zhao Xinguang	Assessor

2. Methodology

2.1 Review of documentation

The validation is performed primarily as a document review of the proposed revision of monitoring plan, registered PDD, approved methodology and relevant EB guidance and meeting reports. The assessment is performed by trained assessors.

2.2 Findings

As an outcome of the validation process, the team can raise different types of findings

In general, where insufficient or inaccurate information is available and clarification or new information is required the Assessor shall raise a **New Information Request (NIR)** specifying what additional information is required.

Where a non-conformance arises the Assessor shall raise a **Corrective Action Request (CAR)**. A CAR is issued, where:

- I. mistakes have been made with a direct influence on project results;

- II. validation protocol requirements have not been met; or
- III. there is a risk that the project would not be accepted as a CDM project or that emission reductions will not be verified.

The validation process may be halted until this information has been made available to the assessors' satisfaction. Failure to address a NIR may result in a CAR. Information or clarifications provided as a result of an NIR may also lead to a CAR.

Observations may be raised which are for the benefit of future projects and future verification or validation actors. These have no impact upon the completion of the validation or verification activity.

Corrective Action Requests and New Information Requests are raised in the draft validation protocol and detailed in a separate form to his report if applicable. In this form, the Project Developer is given the opportunity to "close" outstanding CARs and respond to NIRs and Observations.

2.3 Internal quality control

Following the completion of the assessment process and a recommendation by the Assessment team, all documentation will be forwarded to a Technical Reviewer. The task of the Technical Reviewer is to check that all procedures have been followed and all conclusions are justified. The Technical Reviewer will either accept or reject the recommendation made by the assessment team.

3. Determination Findings

The proposed revision of Monitoring Plan relates to the modifications as follows:

1. Section B.7.1 (P29): 'NCVI' is amended as a monitored parameter as per ACM0006 Ver03, as CH₄ emissions from the biomass in both baseline and project scenario is included in the project boundary.
2. Section B.7.1 (P29): Description of the parameter 'BFi' is revised to be for 'each kind of biomass used as fuel in the project', which is more flexible and in accordance with ACM0006 Ver03.
3. Section B.7.1 (P30): Parameter 'TLy' is changed to parameter 'Ny', reason is: the two formulas for project emissions from transportation are $PET_y = \frac{\sum_i BF_{i,y}}{TL_y} \times AVD_y \times EF_{km,CO_2}$ and $PET_y = N_y \times AVD_y \times EF_{km,CO_2}$ in ACM0006 Ver3, which are two equivalent options, whereas in actual implementation, to monitor the Ny (Number of trucks) is a more feasible and accurate approach instead of monitoring of the TLy (average truck load of the trucks) as stipulated in the original monitoring plan. This change is in accordance with the ACM0006 Ver03.
4. Section B.7.1 (P32): Description of measurement methods of 'EG_{project,y}' is inconsistent with the statement in section B.7.2.3 (P34). It is corrected to be in accordance with ACM0006 Ver03.
5. Section B.7.1 (P33): Data source of 'Bs' had been 'feasibility study'. It is corrected to be monitored through 'official information' to comply with the ACM0006 Ver03.
6. Annex4 (P50): Parameter 'TLy' is changed to parameter 'Ny', reason is the same as clarified in Point 3 above.

Apart from above changes to the Monitoring Plan, following are the modifications to other parts of the PDD:

7. Section B.6.2 a) (P18): the formula 'CO₂ emissions from combustion of fossil fuels for transportation of biomass to the project plant' is changed from $PET_y = \frac{\sum_i BF_{i,y}}{TL_y} \times AVD_y \times EF_{km,CO_2}$ to

$PET_y = N_y \times AVD_y \times EF_{km,CO_2}$. Reason is the same as clarified in Point 3 above.

8. Formula (11) (P23): the annotation of ' ε_{boiler} ' and ' NCV_i ' in the registered PDD referred to the 'biomass boiler' and 'biomass type', which was not in line with the methodology. The two items are corrected to referring to the 'boiler that would be used in the absence of the project activity' and the 'fossil fuel type i' in the revised PDD to comply with the ACM0006 Ver03.
9. Emission Factor of electricity displacement (P27): there was an inconsistency between the value '0.947' appeared in P27 and the value '0.9421' as determined in Annex3 of the PDD. The '0.947' in P27 is corrected to be '0.9421'.

In summary, accuracy and completeness of information is improved by the revision of PDD, which is in compliance with the ACM0006 Ver03.

4. Validation opinion

SGS has performed a validation of the revision of monitoring plan for registered project 'Hebei Jinzhou 24MW Straw-fired Power Project', UNFCCC reference number 0778. The validation was performed following the UNFCCC criteria, approved methodology and relevant EB guidance and meeting reports.

The proposed revision of monitoring plan improves the accuracy and completeness of information in the PDD.

Furthermore, we confirm the following:

- (a) 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;
- (b) the proposed revision of the monitoring plan is in accordance with the approved monitoring methodology ACM0006 Version03;
- (c) no findings regarding the content of this revision were raised in previous verification reports.

The validation is based on the information made available to SGS and the engagement conditions detailed in the report. The validation has been performed using a risk based approach as described above. The only purpose of this report is its use during the approval process by the EB. Hence SGS can not be held liable by any party for decisions made or not made based on the validation opinion, which will go beyond that purpose.



SGS China, 17/07/2008
Qi Yang
Lead Assessor

SGS United Kingdom Limited, 18/07/2008
Siddharth Yadav
Technical Manager

5. Document references

Category 1 Documents (documents provided by the Client that relate directly to the revision of monitoring plan):

- /1/ Revised Monitoring Plan (track change version)
- /2/ Revised Monitoring Plan (clean version)

Category 2 Documents (background documents used to check project assumptions and confirm the validity of information given in the Category 1 documents and in validation interviews):

- /3/ ACM0006 Version03
- /4/ Annex34 to EB26 meeting report
- /5/ Registered PDD: Hebei Jinzhou 24MW Straw-fired Power Project, UN Ref: 0778

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