
VALIDATION OPINION FOR REVISION OF REGISTERED MONITORING PLAN

ASJA Ambiente Italia Spa – Aria.biz

**Landfill gas recovery at the Norte III
Landfill, Buenos Aires,
Argentina**

UNFCCC Reference Number: 0260

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.

SGS has requested Project Participant to perform the revision of monitoring plan according to the approved methodology and FAR 1 raised in the second periodic verification. The original monitoring plan is part of the PDD of the registered CDM project: Landfill gas recovery at the Norte III Landfill, Buenos Aires, Argentina, UNFCCC reference number 0260. 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 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.

According to the methodology AM0011 version 02 and FAR 1, details of the request are as below:

Registered monitoring plan (PDD) does not mention the monitoring pressure and temperature but it is clearly stated in item 1 and 3 (page 18 of the PDD) that landfill gas flow is *measured by a flow meter and corrected according to LFG temperature and pressure*. Landfill gas flow is measured in normalized cubic meter. According to the information provided in the registered PDD temperature and pressure monitoring is not required as the flow is itself corrected according to LFG temperature and pressure.

Regarding parameters:

- Amount of landfill gas collected from project wells;
- Amount of landfill gas used for electricity generation;
- Amount of landfill gas flared to be measured.

The PDD mentions C (calculated) in section D.2.1.1 of the PDD while the term correct according methodology AM0011 v2 is M (measured).

The local assessor verified during site visit that these parameters are measured and registered in the internal system.

- (a) FAR 1 was raised to correct the typos by revising the monitoring plan before next verification with applicable corrections as mentioned to attend the methodology AM0011 version 02.

The request for revision of monitoring plan for PA 0260 was considered by SGS, however, it has been noted that:

- (a) *The proposed revision does not include monitoring of "LFG temperature and pressure" as specified by the applied methodology AM0011 version 02.*
- (b) *The proposed revision includes "amount of methane flared" which is not required as per the methodology.*
- (c) *The proposed revision includes "amount of landfill gas collected from the project wells", "amount of landfill gas flared", "amount of LFG used to generate electricity" which is not calculated but measured.*

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

Landfill gas recovery at the Norte III Landfill, Buenos Aires, Argentina was registered on 28 May 2006, UNFCCC Ref number 0260, and the crediting period are from 28 Aug 2006 to 27 Aug 2016 (Fixed). Till 28 July 2008, there has been 1 issuance of CERs for this project.

1.4 The Names and Roles of the Validation Team Members

Name	Role
Fabian Gonçalves	Lead 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. 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 additional activities not included in the registered monitoring plan and SGS opinion to the revised monitoring plan is as below:

3.1 *Amount of Landfill Gas Collected From the Project Wells is a Measured Data*

SGS opinion to the revised monitoring plan: The revised monitoring plan is in accordance with the AM0011 version 02 methodology, which also reflects that the amount of landfill gas collected from the project wells is measured and not calculated as presented in the registered PDD.

No findings were raised in this regard.

3.2 *Amount of Landfill Gas Flared is a Measured Data*

SGS opinion to the revised monitoring plan: The revised monitoring plan is in accordance with the AM0011 version 02 methodology, which also reflects that the amount of landfill gas flared is measured and not calculated as presented in the registered PDD.

No findings were raised in this regard.

3.3 *Amount of LFG used to generate electricity*

SGS opinion to the revised monitoring plan: The revised monitoring plan is in accordance with the AM0011 version 02 methodology, which also reflects that the amount of LFG used to generate electricity is measured and not calculated as presented in the registered PDD.

No findings were raised in this regard.

3.4 *LFG Temperature and Pressure*

The revised monitoring plan is in accordance with the AM0011 version 02 methodology, which also reflects that the landfill gas pressure and temperature is measured and used to normalize the flow. These parameters are not directly used in the CER calculation.

No findings were raised in this regard.

3.5 *Amount of Methane Flared.*

The revised monitoring plan is in accordance with the AM0011 version 02 methodology, which also reflects that the amount of methane flared was excluded from the monitoring plan. This parameter is not required by the methodology used.

No findings were raised in this regard.

4. Validation Opinion

SGS has performed a validation of the revision of monitoring plan for registered project: Landfill gas recovery at the Norte III Landfill, Buenos Aires, Argentina, UNFCCC reference number 0260. The validation was performed following the UNFCCC criteria.

The proposed revision of monitoring plan is now reflecting correct practice of measured data and not calculated. Previous and future monitoring operation/result is thus not impacted by this revision.

Furthermore, we confirm that:

- (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 applicable to the project activity;
- (c) one FAR regarding the content of this revision were raised in previous verification reports (second periodic verification).

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. 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.

A handwritten signature in black ink, appearing to read 'Fabian Gonçalves'.

Name: Fabian Gonçalves
Lead Assessor
SGS Brazil

A handwritten signature in blue ink, appearing to read 'Siddharth Yadav'.

Name: Siddharth Yadav
Technical Reviewer
SGS United Kingdom Ltd.

5. Document References

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

- /1/ Revised Monitoring Plan: Section D of PDD of Landfill gas recovery at the Norte III Landfill, Buenos Aires, Argentina

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):

- /2/ Registered PDD: Landfill gas recovery at the Norte III Landfill, Buenos Aires, Argentina, UNFCCC reference number 0260
- /3/ AM0011 version 02

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