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Validation Report

(including Validation Opinion)

VALIDATION OF THE REVISED MONITORING PLAN OF:
“São João Landfill Gas to Energy Project (SJ)” in Brazil
UNFCCC **0373-CDMP**

Report No. 600500566

23 February 2011

TÜV SÜD Industrie Service GmbH
Carbon Management Service
Westendstr. 199 - 80686 Munich – GERMANY

Report No.	Date of first issue	Revision No.	Date of this revision	Certificate No.
600500566	17-02-2011	1	23-02-2011	-

Subject: Validation of a Revised Monitoring Plan of "São João Landfill Gas to Energy Project (SJ)"	
Accredited TÜV SÜD Unit: TÜV SÜD Industrie Service GmbH Certification Body "climate and energy" Westendstr. 199 - 80686 Munich Federal Republic of Germany	TÜV SÜD Contract Partner: TÜV SÜD Industrie Service GmbH Caron Management Service Westendstr. 199 - 80686 Munich Federal Republic of Germany
Project participants: 1. Biogás Energía Ambiental S/A (client) Rua Guararapes, 1909 – 4o.andar –cj 41, Brooklin, Sao Paulo, Brazil 2. Prefeitura Municipal de Sao Paulo Municipality of São Paulo 3. KfW Bankengruppe 4. Mercuria Energy Trading SA	Project Site(s): Av. Sapopemba, km 33, Bairro Jardim Rodolfo Pirane, São Paulo, Brazil GPS coordinates: latitude -23.6362°, longitude -46.4141° (location of the powerhouse)
Applied Methodology / Version: ACM0001, version 2	Scope(s): 13 Technical area(s): 13.1
Registered PDD: dated 21-12-2005, version 2b Revised PDD (as per EB48, Annex 66/67): dated 29-12-2009, version 3, approval date 28-05-2010 Registration Date: 02-07-2006 Renewable Crediting Period: 22-05-2007 to 21-05-2013 (changed from 30-06-2006 to 29-06-2013)	Revised Monitoring Plan: Date of issuance: 15-02-2011
Assessment Team Leader: Karin Wagner Assessment Team Members: Johann Thaler Trainees: ---	Technical Reviewer: Madhuri Nanda Certification Body Responsible: Thomas Kleiser
Summary of the Validation Opinion: <input checked="" type="checkbox"/> The review of the revised monitoring plan and the subsequent follow-up interviews have provided TÜV SÜD with sufficient evidence to determine the fulfilment of all stated criteria. In our opinion, the revised monitoring plan meets all relevant UNFCCC requirements for the CDM. Hence TÜV SÜD will recommend the replacement of the monitoring plan contained in the revised PDD as per EB48, Annex 66/67 (dated 29-12-2009, version 3, approval date 28-05-2010) by the submitted revision. <input type="checkbox"/> The review of the revised monitoring plan and the subsequent follow-up interviews have not provided TÜV SÜD with sufficient evidence to determine the fulfilment of all stated criteria. Hence TÜV SÜD will not recommend the replacement of the monitoring plan of registered PDD.	

Abbreviations

ACM	Approved Consolidated Methodology
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CER	Certified Emission Reductions
CR	Clarification Request
DNA	Designated National Authority
DOE	Designated Operational Entity
EB	Executive Board
ER	Emission reduction
FAR	Forward Action Request
GHG	Greenhouse gas(es)
KP	Kyoto Protocol
MP	Monitoring Plan
MR	Monitoring Report
PDD	Project Design Document
TÜV SÜD	TÜV SÜD Industrie Service GmbH
UNFCCC	United Nations Framework Convention on Climate Change
VVM	Validation and Verification Manual



Main Documents (referred to in this report)

Methodology	ACM0001, version 2
Other used Methodologies/Tools	---
Scope	13
Technical Area	13.1
Revised PDD:	http://cdm.unfccc.int/UserManagement/FileStorage/8O01DQS97FACYKBE6LJWNUGVX52ZPM

UNFCCC weblink (Project documentation link):	http://cdm.unfccc.int/Projects/DB/DNV-CUK1145141778.29/view
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1 INTRODUCTION

1.1 Objective

The validation objective is an independent assessment by a Third Party (Designated Operational Entity = DOE) of a proposed revision of a monitoring plan against all defined criteria set for the registration under the Clean Development Mechanism (CDM). Validation is required in the context of proposed revisions of a registered CDM activity and will finally result in a conclusion by the executing DOE whether a revised monitoring plan is valid and should be submitted for replacing the previous version. The ultimate decision on the registration of a proposed revision rests at the CDM Executive Board.

The project activity discussed by this validation report is registered as CDM activity N° 0373 with the project title:

São João Landfill Gas to Energy Project (SJ)

1.2 Scope

The scope of any assessment is defined by the underlying legislation, regulation and guidance given by relevant entities or authorities. The core requirements on revised monitoring plans are given by annex 12 of the report of EB-31 as referred below:

15. The request for revising monitoring plan is made in cases where:

- a. the monitoring plan in the registered CDM project activity document is found not to be consistent with the approved monitoring methodology applied to the registered project activity; or,*
- b. 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 revision;*

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.

2 METHODOLOGY

The project assessment aims at being a risk based approach and is based on the methodology developed in the Validation and Verification Manual, an initiative of Designated and Applicant Entities, which aims to harmonize the approach and quality of all such assessments.

2.1 Appointment of the Assessment Team

According to the technical scopes and experiences in the sectoral or national business environment TÜV SÜD has composed a project team in accordance with the appointment rules of the TÜV SÜD certification body “climate and energy”. The composition of an assessment team has to be approved by the Certification Body ensuring that the required skills are covered by the team. The Certification Body TÜV SÜD operates four qualification levels for team members that are assigned by formal appointment rules:

- Assessment Team Leader (ATL)
- Validator (V)
- Validator Trainee (T)
- Technical Experts (TE)

It is required that the sectoral scope(s) and the technical area(s) linked to the methodology and project have to be covered by the assessment team.

Assessment Team:

Name	Qualification	Coverage of scope	Coverage of technical area	Host country experience
Karin Wagner	ATL	-	-	-
Johann Thaler	V	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Technical Reviewer: Madhuri Nanda

2.2 Review of Documents

The revised Monitoring Plan submitted by the client and additional background documents related to further monitoring aspects were reviewed as initial step of the validation process.

2.3 Follow-up Interviews

According and as a result of the document review, TÜV SÜD discussed with the project participants the revised monitoring plan by Email and telephone conversation during February 2011.

2.4 Internal Quality Control

As final step of a validation, the validation report has to undergo and internal quality control procedure by the Certification Body “climate and energy”, i.e. each report has to be approved either by the head of the certification body or his deputy after approval of the Technical Reviewer. In case one of these two persons is part of the assessment team approval can only be given by the other one.

It rests at the decision of TÜV SÜD's Certification Body whether a revised monitoring plan will be submitted for approval by the EB or not.

3 SUMMARY OF FINDINGS

The monitoring plan contained in the revised PDD as per EB48, Annex 66/67 (dated 29-12-2009, version 3, approval date 28-05-2010) is being revised due to the following reason:

The DOE received on February 15, 2011 an Email from the UNFCCC CDM Registration and Issuance Team in which PP/DOE were requested to revise the monitoring plan in order to include the recording frequency for the parameter "Regulatory requirements relating to landfill gas projects" before the next request for issuance.

Therefore, the monitoring plan has been revised regarding this issue and the recording frequency is now indicated to be "annually". This is in full compliance with the applied methodology ACM0001, version 02 which indicates on page 9 for the parameter "Regulatory requirements relating to landfill gas projects" (ID 11) annual recording frequency.

The DOE could verify in previous verifications that regulatory requirements related to landfill gas projects are even checked more frequently than once per year. A data base named "Green Solution" with all relevant laws for landfills is updated and provided every month by Olenscki Assessoria Ambiental, a company providing consulting and implementation of environmental management services. The DOE could further verify that this data base is monthly checked by the technical assistant of Sao Joao landfill site as it is documented in procedure "PO-013 Identification of legal and other requirements".

Thus, it can be confirmed by the DOE that the annual recording frequency of the parameter "Regulatory requirements relating to landfill gas projects" as stated in revised monitoring plan and methodology is ensured.

The DOE ensures due to its sectoral and local expertise that the change does not compromise the conservativeness in the monitoring and verification process and of the emission reduction calculations.

TÜV SÜD considers the revised monitoring plan as acceptable and reasonable. The monitoring plan reflects the reality and is in compliance with ACM0001, version 2.

4 VALIDATION OPINION

TÜV SÜD has performed a validation of the revised Monitoring Plan of CDM Project 0373:
São João Landfill Gas to Energy Project (SJ)


The review of the revised monitoring plan and the subsequent follow-up interviews has provided TÜV SÜD with sufficient evidence to determine the fulfillment of all stated criteria. In our opinion, the revised monitoring plan meets all relevant UNFCCC requirements for the CDM.

It can be confirmed that:

- a. the level of accuracy and completeness in the monitoring and verification process is not reduced as a result of the revision, also can be confirmed that the proposed revision is in accordance to the project activity.
- b. the proposed revision of the monitoring plan is in accordance with the approved monitoring methodology applicable to the project activity.
- c. the findings of previous verification reports have been taken into account.

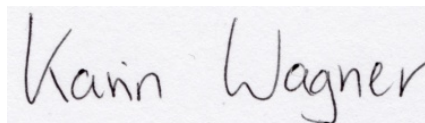
Hence TÜV SÜD recommends the replacement of the monitoring plan contained in the revised PDD as per EB48, Annex 66/67 (dated 29-12-2009, version 3, approval date 28-05-2010) by the submitted revision.

Munich, 23-02-2011



Thomas Kleiser
Head of the Certification Body "climate and energy"
TÜV SÜD Industrie Service GmbH

Munich, 23-02-2011



Karin Wagner
Assessment Team Leader



Industrie Service

CERTIFICATE OF APPOINTMENT

Karin Wagner

accomplishes the requirements according to the guidelines of the
Certification Body "climate and energy" of
TÜV SÜD Industrie Service GmbH
and is appointed as

Assessment Team Leader

for the scope of application:

CDM Projects

The requirements of the QM-Manual and of the attachments of the
Certification Body "climate and energy" are binding.

This appointment is valid for 3 years.

Certificate No. **CMS-Z-97**

Munich, 2010-05-31

Certification Body "climate and energy"



Industrie Service

CERTIFICATE OF APPOINTMENT

Johann Thaler

accomplishes the requirements according to the guidelines of the
Certification Body "climate and energy" of
TÜV SÜD Industrie Service GmbH
and is appointed as

GHG validator / verifier

for the following Technical Areas in the Sectoral Scopes:

4 (4.9), 13 (13.1, 13.2), 15 (15.1, 15.2)

The requirements of the QM-Manual and of the attachments of the
Certification Body "climate and energy" are binding.

This appointment is valid for 3 years.

Certificate No. **CMS-Z-52**

Munich, 2010-05-28

Certification Body "climate and energy"



Industrie Service

CERTIFICATE OF APPOINTMENT

Madhuri Nanda

accomplishes the requirements according to the guidelines of the
Certification Body "climate and energy" of
TÜV SÜD Industrie Service GmbH
and is appointed as

Technical Reviewer

for the following sectoral scopes:

13

The requirements of the QM-Manual and of the attachments of the
Certification Body "climate and energy" are binding.

This appointment is valid for 3 years.

Certificate No. **CMS-Z-102**

Munich, 2011-02-10

Certification Body "climate and energy"



Industrie Service

CERTIFICATE OF APPOINTMENT

Thomas Kleiser

accomplishes the requirements according to the guidelines of the
 Certification Body "climate and energy" of
 TÜV SÜD Industrie Service GmbH
 and is appointed as

Technical Reviewer

for the following sectoral scopes:

1, 3, 4, 5, 8, 13

The requirements of the QM-Manual and of the attachments of the
 Certification Body "climate and energy" are binding.

This appointment is valid for 3 years.

Certificate No. **CMS-Z-04**

Munich, 2010-05-28

Rega Weber

Certification Body "climate and energy"