

 <p style="text-align: center;">CDM Project Activity Registration and Validation Report Form <i>(By submitting this form, designated operational entity confirms that the proposed CDM project activity meets all validation and registration requirements and thereby requests its registration)</i></p>	
Section 1: Request for registration	
Name of the designated operational entity (DOE) submitting this form	TÜV Industrie Service GmbH TÜV SÜD Group
Title of the proposed CDM project activity (Section A.2 of the attached CDM-PDD) submitted for registration	AWMS GHG Mitigation Project BR05-B-06, Bahia, Brazil
Project participants (Name(s))	AgCert Do Brasil Solucuoos Ambientas Ltda
Sector in which project activity falls	Scope 13 - Waste Handling and Disposal, and Sectoral Scope 15 – Agriculture.
Is the proposed project activity a small-scale activity?	<u>No</u> / Yes (<i>underline as applicable</i>)
Section 2: Validation report	
List of documents to be attached to this validation report (please check mark):	
<p>X The CDM-PDD of the project activity</p> <p>X An explanation by the submitting designated operational entity of how it has taken due account of comments on validation requirements received, in accordance with the CDM modalities and procedures, from Parties, stakeholders and UNFCCC accredited non-governmental organizations. This explanation is included in the Validation Report No. 692230, rev 0;</p> <p>q The written approval of voluntary participation from the designated national authority of each Party involved, including confirmation by the host Party that the project activity assists it in achieving sustainable development:</p> <p>X Other documents, including any validation protocol used in the validation</p> <ul style="list-style-type: none"> o Validation Report (Validation Report No. 692230, rev 03), including a validation protocol, a information reference list and a list of persons interviewed by DOE validation team during the validation process. <p>q Information on when and how the above validation report is made publicly available.</p> <p>q Banking information on the payment of the non-reimbursable registration fee</p> <p>q A statement signed by all project participants stipulating the modalities of communicating with the Executive Board and the secretariat in particular with regard to instructions regarding allocations of CERs at issuance</p>	

Executive Summary and Introduction, including

- **Description of the proposed CDM project activity**
- **Scope of validation process (include all documentation that has been reviewed and name persons that have been interviewed as part of the validation, as applicable)**
- **DOE Validation team (list of all persons involved in the validation, describing functions assumed in the validation)**

This project proposes to apply to multiple swine Confined Animal Feeding Operations (located in Bahia, Brazil) a GHG mitigation methodology which is applicable to intensive livestock operations. The proposed project activities will mitigate AWMS GHG emissions in an economically sustainable manner, and will result in other environmental benefits, such as improved water quality and reduced odour. The project proposes to move the designated farms from a high-GHG AWMS practice; an open air lagoon, to a lower-GHG AWMS practice; an ambient temperature anaerobic digester with the capture and combustion of the resulting biogas. The concluding purpose of this project is to mitigate animal effluent related GHG by improving AWMS practices.

Project participant is AgCert Do Brasil Solucuo es Ambientas Ltda. The host party for this project activity is Brazil. In total 4 farms with 4 sites are contracted in the state of Bahia, Brazil.

The category of the project activity is in Sectoral Scope 13 - Waste Handling and Disposal, and Sectoral Scope 15 – Agriculture.

The starting date of the project activity is 01/11/2004. The 10 year non renewable crediting period starts 01/09/2005.

The validation scope is defined as an independent and objective review of the project design document, the project's baseline study and monitoring plan and other relevant documents. The information in these documents is reviewed against Kyoto Protocol requirements, UNFCCC rules and associated interpretations. TÜV SÜD has, based on the recommendations in the Validation and Verification Manual 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 based on the information made available to TÜV SÜD and the engagement conditions detailed in this report. TÜV SÜD can not guarantee the accuracy or correctness of this information. Hence, TÜV SÜD can not be held liable by any party for decisions made or not made based on this report.

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.

The audit team has been provided with a draft PDD in July 2005 and the DOE published it from August 4 until September 2, 2005. Based on this documentation a document review and a fact finding mission in form of an on site audit has taken place. Afterwards the client decided to revise the PDD according the CRs indicated in the audit process. This final PDD version was submitted in October 2005 and serves as the basis for the final assessment presented herewith.

For further details, please, refer to the "Methodology" section of the validation report (Validation Report No 692230, rev 01)

Description of methodology for carrying out validation

- **Review of CDM-PDD and additional documentation attached to it**
- **Assessment against CDM requirements (e.g. by use of a validation protocol)**

<ul style="list-style-type: none"> • Report of findings by the DOE, e.g. by use of type of findings (e.g. corrective action requests, clarifications or observations). Please explain the way findings are "labelled" during validation. • Include statements or assessments in the section "Conclusions, final comments and validation opinion" below.
<p>The validation of the project consists of the following three phases:</p> <ul style="list-style-type: none"> • Desk review • Follow-up interviews • Resolution of clarification and corrective action requests <p>In order to ensure transparency, a validation protocol was customised for the project, according to the Validation and Verification Manual. The protocol shows, in a transparent manner, criteria (requirements), means of verification and the results from validating the identified criteria. The validation protocol serves the following purposes:</p> <ul style="list-style-type: none"> • It organises, details and clarifies the requirements a CDM project is expected to meet; • It ensures a transparent validation process where the validator will document how a particular requirement has been validated and the result of the validation. <p>The validation protocol consists of three tables. The different columns in these tables are described; the completed validation protocol is enclosed in Annex 1 to the validation report.</p>
<p>Explanation by the submitting designated operational entity of how it has taken due account of comments on validation requirements received, in accordance with the CDM modalities and procedures, from Parties, stakeholders and UNFCCC accredited non-governmental organizations;</p> <ul style="list-style-type: none"> • Description of how and when the PDD was made publicly available • Description of how comments were received and made publicly available • Explanation of how due account has been taken of comments received • Compilation of all comments received (Identify the submitter)
<p>TÜV SÜD published the project documents on its website from August 4 to September 2, 2005 and invited comments within 30 days, by Parties, stakeholders and non-governmental organisations. Published on http://www.netinform.de/KE/Wegweiser/Ebene1.aspx?Ebene1_ID=26. During the commenting period there have been no comments received.</p>
<p>Conclusions, final comments and validation opinion</p> <ul style="list-style-type: none"> • Provide conclusions on each requirement under paragraph 37 of the CDM modalities and procedures, describing how these requirements have been meet. This shall include assessments and findings (e.g. corrective action requests, clarifications or observations) in relation to each requirement, including a confirmation that all issues raised have been addressed to the satisfaction of the DOE. • Final comments and validation opinion
<p>The Certification Body "Climate and Energy" has been ordered by AgCert International LLC, Ireland (AgCert International) to perform a validation of the above mentioned project.</p> <p>In summary, it is TÜV SÜD's opinion that the project "AWMS GHG Mitigation Project BR05-B-06, Bahia, Brazil", as described in the revised project design document of October 2005, meets all relevant UNFCCC requirements for the CDM, set by the Kyoto Protocol, the Marrakech Accords and relevant guidance by the CDM Executive Board and that the project furthermore meets all relevant host country criteria and correctly applies the baseline and monitoring methodology AM0016 / Ver.</p>

02 entitled “*Greenhouse gas mitigation from improved Animal Waste Management Systems in confined animal feeding operations.*”

Hence, TÜV SÜD will recommend the project for registration as CDM project activity by the CDM Executive Board.

Prior to the submission of this validation report to the CDM Executive Board, TÜV SÜD will have to receive the written approval of the DNA of involved parties, including confirmation by the DNA of Brazil that the project assists in achieving sustainable development.

By avoiding GHG emissions from open air lagoons, the project results in reductions of GHG emissions that are real, measurable and give long-term benefits to the mitigation of climate change. An economic comparison with alternative scenarios and an analysis of the investment and technological barriers demonstrates that the proposed project activity is not a likely baseline scenario. Emission reductions attributable to the project are hence additional to any that would occur in the absence of the project activity. Given that the project is implemented as designed, the project is likely to achieve the estimated amount of emission reductions.

Additionally the assessment team reviewed the estimation of the projected emission reductions. We can confirm that the indicated amount of emission reductions 138,354 tonnes CO_{2e} over a crediting period of ten years, resulting in a calculated annual average of 13,835 tonnes CO₂ represents a reasonable estimation using the assumptions given by the project documents.

The validation is based on the information made available to us and the engagement conditions detailed in this 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 registration process as part of the CDM project cycle. Hence, TÜV SÜD 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.

The DOE declares herewith that in undertaking the validation of this proposed CDM project activity it has no financial interest related to the proposed CDM project activity and that undertaking such a validation does not constitute a conflict of interest which is incompatible with the role of a DOE under the CDM.

By submitting this validation report, the DOE confirms that all validation requirements are met.

Name of authorized officer signing for the DOE



Werner Betzenbichler

Date and signature for the DOE

30/10/2005

Section below to be filled by UNFCCC secretariat

Date when the form is received at UNFCCC secretariat

Date at which the registration fee has been received

Date at which registration shall be deemed final

Date of request for review, if applicable

Date and number of registration

Date

Number