

# PROJECT REVIEW REPORT

This project review report includes findings raised during Verra’s review of the project specified below. The VVB must address the findings before the project request can be considered for approval by Verra. The project review report will be made publicly available on the Verra Registry. Confidential information may be provided in separate attachments.

<b>Project ID</b>	4168
<b>Project Name</b>	BAITANG AONONG SWINE FARM COMPOSTING PROJECT
<b>Review Type</b>	Registration
<b>Program(s)</b>	VCS Program
<b>Project Proponent</b>	Guizhou Aonong Qihuan Animal Husbandry Co., Ltd
<b>Methodology</b>	AMS-III.D, “Methane recovery in animal manure management systems”, Version 21.0
<b>VVB</b>	CTI Certification Co., Ltd.
<b>Assessment Criteria</b>	VCS Standard Version 4.4
<b>Date of First Issue</b>	20 October 2023
<b>Review Conclusion</b>	Closed
<b>Date of Final Issue</b>	05 February 2024

## FINDINGS

#	Finding Description	VVB Response	Status
<b>1</b>	<b>Missing information on double counting</b>		
	<p><u>Issue</u></p> <p>There is no information on how it is ensured that no double counting occurs with the farm owner with the GHG emission reductions obtained from the treatment of their manure.</p> <p><u>Action item</u></p> <ol style="list-style-type: none"> <li>1. The VVB must ensure that the project proponent elaborates in Section 1.16 of the project description (PD) how it is ensured that no double counting occurs with the farm owner with the GHG emission reductions obtained from the treatment of their manure.</li> <li>2. The VVB must further validate this information and update the validation report (VR) as needed.</li> </ol> <p><u>Program Rule(s)</u></p> <p>VCS Project Description Template v.4.2, Section 1.16</p> <p>VCS Validation Report Template v.4.2, Section 3.1</p>	<p><b>Round 1</b></p> <p><u>VVB Response</u></p> <p>By checking shareholder information of PP, CTI is able to confirm that the farm owner is shareholder and parent company of PP. By checking contract between the PP and farm owner and statement of no double counting of GHG emission reductions obtained from the project signed by swine farm owner, CTI is able to confirm that no double counting occurs with the farm owner with the GHG emission reductions obtained from the treatment of their manure as only the PP will claim the GHG emission reductions from the project as per the contract. The elaboration has been added in Section 1.16 of the PD Version 3.0 dated 10/11/2023.</p> <p>CTI has further validated this information and has updated in Section 3.1 of the validation report (VR) Version 2.0 dated 20/11/2023.</p> <p><u>Verra Response</u></p> <p>Section 1.16 of the PD and Section 3.1 of the VR have been updated to describe that the emission reduction claims are clearly accounted for and that the farm owner is the parent company of the PP. Thus, no double counting may occur. This finding is now closed.</p>	Closed
<b>2</b>	<b>Clarification on date when validation activities began</b>		
	<p><u>Issue</u></p> <p>It is unclear when the VVB started the validation process (i.e., opening meeting) with the PP.</p>	<p><b>Round 1</b></p> <p><u>VVB Response</u></p> <p>The information including activity performed on-site including opening meeting representing the beginning of the validation process took place, site of location, date and team member, has</p>	Closed

<p><u>Action item</u></p> <ol style="list-style-type: none"> <li>The VVB must clarify when the opening meeting, representing the beginning of the validation process, took place.</li> <li>Further, the VVB must describe how the project adheres with Section 4.1.5 of the VCS Standard, v4.4.</li> </ol> <p><u>Program rule(s) or methodology section</u></p> <p>VCS Standard v.4.4, Section 4.1.5</p> <p><u>Background</u></p> <p>Section 1.1 of the PD states that the validation period is from 24 February 2023 to 17 July 2023. However, the project listed on the pipeline <i>under validation</i> on 1 March 2023.</p>	<p>been provided in Section 2.4 of the updated validation report Version 2.0 dated 20/11/2023.</p> <p>By checking Verra Website, CTI is able to confirm that the project was open for public comment from 24/02/2023 to 26/03/2023. The opening meeting was started on 12/07/2023, which is adheres with Section 4.1.5 of the VCS Standard, v4.4.</p> <p>Description of how the project adheres with Section 4.1.5 of the VCS Standard, v4.4 has been provided in Section 2.4 of the updated validation report Version 2.0 dated 20/11/2023. CTI is able to confirm that is in line with Section 4.1.5 of the VCS Standard, v4.4.</p> <p><u>Verra Response</u></p> <p>Section 2.4 of the VR has been updated to clarify the opening of the meeting of the VVB is in line with Section 4.1.5 of the VCS Standard, v4.4. This finding is now closed.</p>	
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3 Further information and assessment on project start date		
<p><u>Issue</u></p> <p>The project start date has been defined as 01 August 2021. However, there is no justification for how the project start date was selected.</p> <p><u>Action item</u></p> <ol style="list-style-type: none"> <li>The VVB must ensure that the project proponent (PP) updates Section 1.8 of the PD to include describe the project start date according to Section 3.8 of the VCS Standard, v4.4.</li> <li>The VVB must assess this information as needed.</li> </ol> <p><u>Program rule(s) or methodology section</u></p> <p>VCS Standard v.4.4, Section 3.8</p>	<p><b>Round 1</b></p> <p><u>VVB Response</u></p> <p>The project proponent (PP) has updated Section 1.8 of the PD Version 3.0 dated 10/11/2023 to include describe the project start date according to Section 3.8 of the VCS Standard, v4.4, which has been checked by CTI.</p> <p>CTI has already assessed this information by checking the construction plan and Operation Log of the project activity as stated in Section 3.1 of the validation report.</p> <p><u>Verra Response</u></p> <p>Section 1.8 of the PD has been updated to describe the start date sufficiently, and the VVB has restated the assessment in Section 3.1 of the VR. This finding is now closed.</p>	<p>Closed</p>

4 Missing information on project equipment lifetime			
<p><u>Issue</u></p> <p>Section 1.11 of the PD does not include information on the project equipment’s average lifetime.</p> <p><u>Action item</u></p> <ol style="list-style-type: none"> <li>1. The VVB must ensure the PP updates Section 1.11 of the PD to include information on the project equipment’s average lifetime.</li> <li>2. The VVB must assess the updates as needed.</li> </ol> <p><u>Program Rule(s)</u></p> <p>VCS Project Description Template, v4.2, Section 1.11</p>	<p><b>Round 1</b></p>		<p>Closed</p>
	<p><u>VVB Response</u></p> <p>Information on the project equipment’s average lifetime has been included in Section 1.11 of the PD Version 3.0 dated 10/11/2023, which has been checked by CTI.</p> <p>CTI has assessed the information by checking design scheme of the project activity and updated Section 3.1 of the validation report Version 2.0 dated 20/11/2023.</p>		
	<p><u>Verra Response</u></p> <p>Section 1.11 of the PD and Section 3.1 of the VR have been updated with the project equipment’s average lifetime and accompanying assessment. This finding is now closed.</p>		
5 Insufficient response to public comment			
<p><u>Issue</u></p> <p>Section 2.4 of the PD provides details on updates to the project design related to the public comment received, but does not directly address the points raised in the public comment.</p> <p><u>Action item</u></p>	<p><b>Round 1</b></p>		<p>Closed</p>
	<p><u>VVB Response</u></p> <p>Via on-site inspection, it could be confirmed that the project does not involve biomass. However, as per EIA of the project, aerobic composting was planned to treat the swine manure with mixture of biomass during the project design, while the anaerobic digestion system is applied instead of aerobic composting in the project situation and biomass is not involved. For the biomass</p>		

<p>1. The VVB must ensure the PP updates Section 2.4 of the PD to include more information that addresses the points raised in the public comments directly.</p> <p>2. The VVB must update Section 3.2.4 of the VR to assess the additional information.</p> <p><u>Program Rule(s)</u></p> <p>VCS Project Description Template, v4.2, Section 2.4</p> <p><u>Background</u></p> <p>The comment highlights two points; first on how biomass residue waste is treated in SWDS in the baseline, and second on how wastewater does not exist in the baseline.</p>	<p>treatment in the baseline in the PD open for public comment, stacking sites of the biomass before being used or disposed of were mistakenly regarded as SWDS as per confirmation from PP, which lead to the conclusion that the biomass residue waste is treated in SWDS in the baseline. Also, via on-site inspection, it was confirmed that the “wastewater” mentioned in the PD version 01 is water content in the animal manure actually and the project only involve manure management.</p> <p>More information that addresses the points raised in the public comments directly has been provided in Section 2.4 of the PD Version 3.0 dated 10/11/2023.</p> <p>CTI has updated Section 3.2.4 of the VR to assess the additional information.</p>	
	<p><u>Verra Response</u></p> <p>Section 2.4 of the PD and Section 3.2.4 of the VR have been updated with more information addressing the public comment. The VVB confirms that biomass and wastewater are not part of the baseline or project scenarios, and the GHG ERR quantification does not include either source, if any. This finding is now closed.</p>	

<p><b>6 Missing information and assessment on baseline identification</b></p>		
<p><u>Issue</u></p> <p>As per the information in Section 3.4 of the PD, the baseline has been identified as animal manure left to decay anaerobically.</p> <p>However, there is no third party evidence that supports this</p>	<p><b>Round 1</b></p> <p><u>VVB Response</u></p> <p>The project proponent has justified the identification of the baseline scenario with relative references like photos of baseline open lagoon at the farm and operation record of the livestock farm in Section 3.4 of the PD Version 3.0 dated 10/11/2023,</p>	<p>Closed</p>

<p>statement.</p> <p><u>Action item</u></p> <ol style="list-style-type: none"> <li>1. The VVB must ensure that the project proponent justifies the identification of the baseline scenario with relevant references.</li> <li>2. The VVB must validate this information and update the VR as needed.</li> </ol> <p><u>Program Rule(s)</u></p> <p>VCS Project Description Template v.4.2, Section 3.4</p> <p>VCS Validation Report Template v.4.2, Section 3.3.4</p>	<p>which has been checked by CTI.</p> <p>CTI has validated this information by checking photos of baseline open lagoon at the farm, relative records of local agricultural and rural bureau and operation record of the livestock farm and by interviewing with director of Huangping County Environment Protection Bureau during the site visit. CTI has updated in Section 3.3.4 of the VR Version 2.0 dated 20/11/2023.</p> <p><u>Verra Response</u></p> <p>Section 3.4 of the PD and Section 3.3.4 of the VR have been updated to describe the evidence used to demonstrate the baseline scenario. The VVB assessed the evidence and confirmed the baseline scenario. This finding is now closed.</p>	
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7 Incorrect version of tool used		
<p><u>Issue</u></p> <p>Section 3.1 of the PD states that the project used TOOL06, v3.0. However, a more recent version of TOOL06 is available.</p> <p><u>Action item</u></p> <ol style="list-style-type: none"> <li>1. The VVB must ensure the PP has applied TOOL06, v4.0 and updates the PD and GHG ERR spreadsheet as needed.</li> <li>2. The VVB must assess the update appropriately.</li> </ol> <p><u>Program Rule(s)</u></p> <p>VCS Standard, v4.4, Section 3.1.3</p>	<p><b>Round 1</b></p> <p><u>VVB Response</u></p> <p>PP has applied TOOL06, v4.0 and updates the PD Version 3.0 dated 10/11/2023., which has been checked by CTI.</p> <p>CTI has assessed the update and the ERR spreadsheet and updated the VR Version 2.0 dated 20/11/2023.</p> <p><u>Verra Response</u></p>	<p>Closed</p>

		<p>Section 3.1 of the PD has been updated to reference the updated version of TOOL06. Likewise, the VVB has assessed the update tool's application and GHG ERR spreadsheet.</p>	
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8 Missing information on type of enclosed flare used			
	<p><u>Issue</u> Section 4.2 of the PD does not indicate if the enclosed flare used in the project activity is low height or not, in order to confirm the use a 90% (and not 80%) default value for the flare efficiency.</p> <p><u>Action item</u></p> <ol style="list-style-type: none"> <li>1. The VVB must ensure that the project proponent describes the type of enclosed flare used in the PD.</li> <li>2. The VVB must validate this information and update the VR as needed.</li> </ol> <p><u>Program rule(s)</u> VCS Project Description Template v.4.2, Section 4.2</p> <p>TOOL 06, v4.0, Paragraph 19</p>	<p><b>Round 1</b></p> <p><u>VVB Response</u> The applied SZQH300 type flaring system does not belong to low height flare as per Technical Specification of enclosed flaring system, which has been indicated in Section 4.2 of the PD Version 3.0 dated 10/11/2023 and checked by CTI. Thus, it could be confirmed that 90% default value for the flare efficiency is used. CTI has validated the information and updated in Section 3.3.6 of updated the VR Version 2.0 dated 20/11/2023.</p> <p><u>Verra Response</u> Section 4.2 of the PD and Section 3.3.6 of the VR have been updated to include the flaring system height, which will be monitored in the monitoring plan. This finding is now closed.</p>	<p>Closed</p>

10 Missing monitoring parameters and monitoring information			
	<p><u>Issue</u></p> <ol style="list-style-type: none"> <li>1. Section 5.2 of the PD does not include the monitoring of the biogas, <i>on site inspections of farms</i>, and <i>proper soil application of the residual wastes data</i> and parameters.</li> <li>2. For the flow meter, flame detector, weighscale and temperature device the calibration frequency is not defined.</li> </ol>	<p><b>Round 1</b></p> <p><u>VVB Response</u> The monitoring of on site inspections of farms, and proper soil application of the residual wastes data and parameters have been included in Section 5.2 of the PD Version 3.0 dated 10/11/2023 and checked by CTI. As confirmed during site inspection, the amount of biogas collected is all destroyed by flaring and is equal to biogas flared monitored with flow meter installed between outlet of biogas pretreatment system and inlet</p>	<p>Closed</p>

	<p>3. The value of W<sub>site</sub> is not from the latest available data source.</p> <p><b>Action item</b></p> <ol style="list-style-type: none"> <li>1. The VVB must ensure that the project proponent includes all the monitoring parameters and calibration information under Section 5.2 of the PD.</li> <li>2. The VVB must ensure that the project proponent uses the latest available data to establish W<sub>site</sub>.</li> <li>3. The VVB must validate this information and update the VR as needed.</li> </ol> <p><b>Program Rule(s)</b> VCS Project Description Template v.4.2, Section 5.2</p> <p>TOOL14, v2.0, Section 7.2</p>	<p>of the flaring system, which has been updated in in Section 5.2 of the PD Version 3.0 dated 10/11/2023.</p> <p>Calibration frequency for the flow meter, flame detector, weighscale and temperature device have been defined in Section 5.2 of the PD Version 3.0 dated 10/11/2023 and checked by CTI.</p> <p><b>The</b> value of W<sub>site</sub> is parameters to be monitored and not a parameter available at validation, which has been listed in Section 5.2 of the PD Version 3.0 dated 10/11/2023, which has been checked by CTI.</p> <p>CTI has validated this information and update in Section 3.3.8 of the VR Version 2.0 dated 20/11/2023.</p> <p><b>Verra Response</b></p> <p>Section 5.2 of the PD has been updated to include the missing monitored parameters, the calibration frequency and the value of W<sub>site</sub>. The VVB has also updated Section 3.3.8 of the VR to assess these changes. This finding is now closed.</p>	
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<p><b>11 Missing table in validation conclusion</b></p>			
	<p><b>Issue</b> Section 4 of the VR does not include the table of the GHG estimates.</p> <p><b>Action item</b></p> <ol style="list-style-type: none"> <li>1. The VVB must include the table of the GHG estimates under Section 4 of the VR.</li> </ol> <p><b>Program rule(s)</b> VCS Validation Report Template v.4.2, Section 4</p>	<p><b>Round 1</b></p> <p><b>VVB Response</b></p> <p>The table of the GHG estimates has been included in Section 4 of the VR Version 2.0 dated 20/11/2023.</p> <p><b>Verra Response</b></p> <p>Section 4 of the VVR has been updated to include the table of GHG ERR estimates. This finding is now closed.</p>	<p>Closed</p>