

# 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>	2349				
<b>Project Name</b>	Installation of high efficiency wood burning cookstoves in Kenya				
<b>Review Type</b>	Verification				
<b>Program(s)</b>	Verified Carbon Standard				
<b>Verification Period</b>	01-04-2023 - 31-03-2025				
<b>Project Proponent</b>					
<b>Proponent Contacts</b>	<table><thead><tr><th>Contact Name</th><th>Email</th></tr></thead><tbody><tr><td>Bridge Carbon Africa Stoves Development Private Limited</td><td>carbon@bridgecarbon.com</td></tr></tbody></table>	Contact Name	Email	Bridge Carbon Africa Stoves Development Private Limited	carbon@bridgecarbon.com
Contact Name	Email				
Bridge Carbon Africa Stoves Development Private Limited	carbon@bridgecarbon.com				
<b>Methodology</b>					
<b>VVB</b>	SustainCERT S.A.				
<b>Assessment Criteria</b>	VCS standard v4.7				
<b>Date of First Issue</b>	23-12-2025				
<b>Review Conclusion</b>	Approved				
<b>Date of Final Issue</b>	17-02-2026				

# FINDINGS

#	Finding Description	VVB Response	Status
1	<b>Estimated GHG Emission Reductions or Removals</b>		
	<p><b><u>Issue</u></b></p> <p>1. The total estimated ERs in section 1.11 of the revised PD is 343,299 tCO<sub>2</sub>e, whereas the value indicated is 343,300 tCO<sub>2</sub>e creating a discrepancy.</p> <p><b><u>Action Required</u></b></p> <p>1. The VVB must ensure that the PP revises the PD, and the correct total emission reduction is documented in section 1.11.</p> <p><b><u>Program Rule(s)</u></b></p> <p>VCS Standard, v4.7, Section 2.2.1</p> <p><b><u>Evidence Observed</u></b></p> <p>1. VCS PD VCS 2349 04102025 TC 2. 20250610_VCS 2349_Kenya_Ex-ante ERs_V1.0</p> <p><b><u>Background</u></b></p> <p>N/A</p>	<p><b>Round 1</b></p> <p><u>VVB Response</u></p> <p><u>PP Response:</u></p> <p>1. The total estimated ERs in section 1.11 of the revised PD has been corrected.</p> <p><u>VVB Response</u></p> <p>1. PP has revised estimated ER under Section 1.11 and other sections as per revised values. Applicable sections of verification report are now revised for revised ex-ante ERs.</p> <p><u>Uploaded Files:</u></p> <p>VCS PD VCS 2349 020260129 Track, VCS PD VCS 2349 020260129 Clean</p> <p><u>Verra Response</u></p> <p>1. The PD has been revised, and the estimated emission reductions are now indicated. The issue is closed.</p>	Closed
2	<b>Baseline Scenario</b>		
	<p><b><u>Issue</u></b></p>	<p><b>Round 1</b></p> <p><u>VVB Response</u></p>	Closed

1. The PP has not justified that the project has all the data for the baseline reassessment required to apply the new methodology.

2. The baseline survey KPT carried out in 2025 did not have samples from Kisumu county, while the project survey KPT did not have samples from Busia and Kisumu counties. It is unclear how samples were selected for both the baseline and project households, and whether the selected samples were representative of all the regions where the project is being implemented. In section 5.3 of the revised PD, the PP shows that clusters were used; however, there is no information on whether clusters were established in each county, or the procedures for determining where clusters were set up are not provided.

**Action Required**

1. The VVB must ensure that the PD is revised, all updated data are identified and listed, and their sources are documented for transparency.

2. The VVB must explain how they assessed the sampling process and representativeness of the samples selected.

**Program Rule(s)**

VCS Standard, v4.7, Section 3.13.3

VM0050, 1.0, Section 6.2

**Evidence Observed**

1. VCS PD VCS 2349 04102025 TC
2. VCS MR VCS 2349 01042023-31032025
3. VCS VerR VCS2349 07102025

**Background**

N/A

**PP Response:**

1. PP confirms that project has all the data for transition to the methodology (VM0050, v1.0) as per section 2.1.2 of Procedure to Change Methodology through a Project Description Deviation, v4.0 dated 16-October-2024. The same has been provided in Appendix 2 of VCS PD. The sources provided in section 5.1 and 5.2 of VCS PD v5.3 in respective data parameters tables.

**2. Sampling size & Representativeness:**

The project is implemented in the host country across multiple regions with similar baseline conditions (socioeconomic status, environmental characteristics, and cooking behaviors). As such, fuel type with similar usage patterns is also similar across these regions in baseline households. Thereby the chosen samples were representative of the regions where the project was implemented.

The sample size chosen by PP for the baseline KPT is same as derived for project sample size (as per CDM Standard for Sampling and Surveys for CDM

Project Activities and Programmes of Activities V9.0) and there by the baseline survey KPT conducted in baseline scenario households that do not participate in the project, for collecting the critical information of baseline technology and fuel used. The Baseline Survey KPT was conducted based on survey questionnaire along with measurement campaigns. The details are already shared with VVB.

#### **Cluster establishment**

As the clusters established for the project activity was by an independent, experienced third-party (Geocene) designated by the project proponent with the proper skills on randomization to properly select and survey households to prevent bias.

Clustering followed the administrative division hierarchy (county > sub-county > ward > village values) to identify clusters to randomize and sample from within (i.e., using village or sets of villages as the cluster level). Clusters were required to include at least 30 households; where there were fewer than 30, these were combined with nearby clusters to reach the minimum size.

After clustering, a random set of clusters and households were selected using the following approach:

- Loads a lexicographically sorted CSV of all unique households. These households were generated from project data base as source.
- Fetches a cryptographic random value from the NIST Randomness Beacon to serve as a reproducible seed.
- Uses this seed to shuffle households within the project into a random order.
- Using this random order, we then select households for sampling:
  - o The first randomly ordered household is selected and the nearest 24 households are selected from the same cluster as the initial household. These additional households must be within 1 km of each other to ensure operational efficiency. These 25 households then become part of the sample for the project KPT.
  - o The second randomly ordered household becomes the second selected cluster for the KPT and so on until the required number of clusters and households are selected.

o From each selected cluster, enumerators enroll the first 10 households who meet the eligibility criteria and are willing to participate in the KPT into the study.

Baseline KPT households were conducted in similar clusters that were nearby existing project clusters for this project.

#### VVB Response

1. PP has updated Appendix 2 for the data and parameters available with them for the baseline reassessment required to apply the new methodology VM0050. Section 3.4 of the verification report is revised now.

2. The ICS are distributed throughout the host country with similar pre-project & baseline conditions in terms of cooking conditions, practice and behavior, fuels available and socio-economic conditions etc. Thus, the chosen samples by PP remains representative of baseline condition. Further, PP has adopted the CDM Standard for Sampling and Surveys for CDM Project Activities and Programmes of Activities V9.0 for the sample selection as described above and section 5.3 of the VCS PD. The details of baseline & project KPT are verified by assessment team and found correct.

Uploaded Files:  
 VCS PD VCS 2349 020260129  
 Track, VCS MR VCS 2349  
 01042023-31032025 Track, VCS  
 MR VCS 2349 01042023-  
 31032025 clean, VCS VerR  
 VCS2349 05022026 PRR Rd01  
 track

Verra Response

1. The PP has updated the MR and provided the data and parameters that were changed as part of the methodology change, along with the applied data values. The issue is closed.
2. The VVB has clarified how baseline and KPT sampling were conducted. The determination of clusters and eventual sample selection has been outlined. The project adopted the CDM Standard for Sampling and Surveys for CDM Project Activities and Programmes of Activities v9.0 when selecting samples. The selected samples were representative of the entire project boundary. The issue is closed.

**3 Control households**

Issue

1. It has been confirmed that control households for the project are those

**Round 1**

VVB Response

PP Response:

Closed

households that participated in the baseline KPT. However, it is unclear how control households were identified and selected to join the KPT sample.

**Action Required**

1. The VVB must describe how the project complied with the requirements for identifying and establishing control households, which were validated and verified.

**Program Rule(s)**

VM0050, 1.0, Section 6.2

**Evidence Observed**

1. VCS PD VCS 2349 04102025 TC
2. VCS MR VCS 2349 01042023-31032025
3. VCS VerR VCS2349 07102025

**Background**

N/A

1. For existing projects updating to VM0050, control households must be established before the first verification under VM0050. Thereby the baseline survey KPT conducted in baseline scenario households that do not participate in the project, for collecting the critical information of baseline technology and fuel used.

The Baseline Survey KPT was conducted based on survey questionnaire along with measurement campaigns in the controlled households and the survey results provided to VVB as a part of verification by PP.

For additional information, please refer response provided at finding 2 sub item 2.

**VVB Response**

1. As per section 6.2 of VM0050, "For existing project updating to VM0050 methodology control household must be establish before the first verification under VM0050, v1.0."

The PP has defined the baseline households (KPT survey) as control households ensuring the pre-project condition of project household regarding the baseline in the same geographic area/cooking practice. The control HHs are primarily using

traditional cookstoves and wood fuel. The sample size was determined in accordance with sampling approach of CDM guideline: Sampling and Surveys for CDM PA and PoA, version 4.0, This confirms that the selected households are statistically representative of the pre-project baseline conditions of the target population, consistent with the controlled household requirements of VM0050 v1.0. The same has been established in section 3.4 of VCS PD.

Uploaded Files:

VCS VerR VCS2349 05022026  
 PRR Rd01 track, VCS MR VCS  
 2349 01042023-31032025  
 Track, VCS PD VCS 2349  
 020260129 Track

Verra Response

1. The VVB has confirmed that the control households are those households that participated in the baseline survey. These are the households that have been identified as control households and are to be used during the baseline reassessment. The issue is closed.

**4 Emission Reduction calculations**

Issue

**Round 1**

Closed

VVB Response

1. The baseline and project KPT values for  $BC_{b,i,y}$  and  $BC_{p,j,ky}$  are given as 2.6188 and 2.2224 tonnes/HH/yr, respectively. However, in the ex-ante, post-ante ER sheet, revised PD and MR, the values applied are 2.6258 and 2.2302 tonnes/HH/yr, thereby creating a discrepancy.

**Action Required**

1. The VVB must ensure that the correct and accurate values for fuel consumption, as determined during the KPT, are consistently applied across the ER calculation.

**Program Rule(s)**

VCS Standard, v4.7, Section 2.2.1

VM0050, 1.0, Section 9.2

**Evidence Observed**

1. VCS PD VCS 2349 04102025 TC
2. VCS MR VCS 2349 01042023-31032025
3. 20250609\_VCS\_2349 Kenya BL & PJ KPT (Private)
4. 20250610\_VCS 2349\_Kenya\_Ex-Post ERs V1.0 (Private)

**Background**

N/A

**PP Response:**

1. The value of baseline KPT for  $BC_{b,i,y}$  (2.6188 tonnes/HH/yr) and project KPT for  $BC_{p,j,ky}$  (2.2224 tonnes/HH/yr) has been made consistent and ER values are updated in revised MR, VCS PD, ex-ante ER sheet and ex-post ER sheet.

**VVB Response**

1. PP has revised VCS PD and monitoring report applying consistent values inline with emission reduction sheets. Verification report is now updated for affected parameter and ER values.

**Uploaded Files:**

VCS PD VCS 2349 020260129 Track, VCS MR VCS 2349 01042023-31032025 Track, 20260129\_VCS\_2349 Kenya BL & PJ KPT (Private), 20260129\_VCS 2349\_Kenya\_Ex-Post ERs V2.1 (Private), 20260129\_VCS 2349\_Kenya\_Ex-Post ERs V2.1(Public), 20260129\_VCS 2349\_Kenya\_Ex-ante ERs\_V2.1

**Verra Response**

1. The PP has updated the PD and MR and made the baseline KPT for  $BC_{b,i,y}$

		and the project KPT for BC <sub>p,j,k,y</sub> consistent across the MR, PD, and ER sheets. The issue is closed.	
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**5 Grievance Redress Procedure**

	<p><b><u>Issue</u></b></p> <ol style="list-style-type: none"> <li>1. The Monitoring Report in section 2.1.4 does not state whether any grievances were reported during the monitoring period.</li> <li>2. The Verification Report in section 4.2.2 states that there have not been any major grievances reported, and those reported are indicated in the MR, but the MR only lists grievances reported during the 2<sup>nd</sup> and 3<sup>rd</sup> MPs.</li> </ol> <p><b><u>Action Required</u></b></p> <ol style="list-style-type: none"> <li>1. The VVB must provide details on how they assessed the grievance redress procedure and confirm whether there were any reported cases of grievances during the monitoring period, as well as how these grievances were addressed.</li> </ol> <p><b><u>Program Rule(s)</u></b></p> <p>VCS Standard, v4.7, Section 3.18.4</p> <p><b><u>Evidence Observed</u></b></p> <ol style="list-style-type: none"> <li>1. VCS PD VCS 2349 04102025 TC</li> <li>2. VCS MR VCS 2349 01042023-31032025</li> <li>3. VCS VerR VCS2349 07102025</li> </ol> <p><b><u>Background</u></b></p> <p>N/A</p>	<p><b>Round 1</b></p> <p><u>VVB Response</u></p> <p><u>PP Response:</u></p> <ol style="list-style-type: none"> <li>1. Grievances details has been updated in section 2.1.4 of revised monitoring report.</li> <li>2. VVB need to update in verification report.</li> </ol> <p><u>VVB Response</u></p> <ol style="list-style-type: none"> <li>1. PP has revised Section 2.1.4 of monitoring report for grievance record and found correct.</li> <li>2. Section 4.2.4 of verification report is revised now.</li> </ol> <p><u>Uploaded Files:</u></p> <p>VCS MR VCS 2349 01042023-31032025 Track, VCS VerR VCS2349 05022026 PRR Rd01 track</p> <p><u>Verra Response</u></p> <ol style="list-style-type: none"> <li>1. The MR has been revised, and the some of the minor grievances raised during the period have been recorded. The VVB has also revised the VR and indicated on the grievances</li> </ol>	<p>Closed</p>
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		received. The issue is closed.	
<b>6 Verification Report</b>			
	<p><b>Issue</b></p> <p>1. The site visit was conducted by a country expert (technical expert). However, the country expert is not part of an audit team. The VVB has not demonstrated how it complied with the requirements of the VCS Standard, Section 4.1.19.</p> <p><b>Action Required</b></p> <p>1. The VVB must confirm how the VVB complied with the audit team composition and team competence.</p> <p><b>Program Rule(s)</b></p> <p>VCS Standard, v4.7, Section 4.1.19</p> <p><b>Evidence Observed</b></p> <p>1. VCS VerR VCS2349 07102025</p> <p><b>Background</b></p> <p>N/A</p>	<p><b>Round 1</b></p> <p><u>VVB Response</u> <u>VVB Response</u></p> <p>SustainCERT is an accredited VVB with ANAB/ANSI for ISO14065: 2020 and ISO 17029: 2019. Therefore, have a well-defined management process to assess and maintain the competence of its personnel. All team members are qualified and appointed in line with the requirements of section 4.1.19 of VCSA v4.7, section 7.3 of ISO 14065:2020 and ISO 17029:2019. The team is composed of Team Leader, Auditor and Independent reviewer with required Technical/Scope expertise of TA 3.1. VVB have specifically mentioned country expert to provide more clarity on the role within the audit team (Para 7.3.4 of ISO 14065) who is also Auditor &amp; Verifier qualified. However, the same has been revised to reflect the role in which the qualified personnel are participating in this audit assignment.</p> <p><u>Uploaded Files:</u> VCS VerR VCS2349 05022026 PRR Rd01 track, VCS VerR</p>	Closed

VCS2349 05022026 PRR Rd01  
clean

Verra Response

1. The VVB has clarified that the local expert is also a trained auditor. Therefore, the audit team composition complied with VCS Standard Section 4.1.19. The issue is closed.