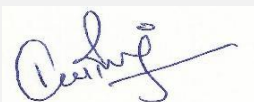


PURO.EARTH

OUTPUT AUDIT REPORT

KEY PROJECT INFORMATION		
REPORT ID	PE.JVV.25.012(8)	
REPORT TITLE	Truecoco Ghana Ltd Biochar Output Audit Report	
REPORT DATE	26/01/2026	
VERSION NO.	1.0	
CO ₂ REMOVAL SUPPLIER	Truecoco Ghana Ltd	
PRODUCTION FACILITY NAME	Truecoco Ghana Ltd's Biochar Facility	
PRODUCTION FACILITY ADDRESSES	Badyloon Street, Tikobo No.1, Jomoro District, Western Region, Ghana	
PRODUCTION FACILITY ID	816220	
PRODUCTION FACILITY COORDINATES	Latitude: 5.0423491 Longitude: -2.701473	
REMOVAL PERIOD	12/10/2025 - 21/12/2025	
CO ₂ SINK SECTOR	Biochar	
APPLIED METHODOLOGY	Biochar Methodology Edition 2022, v3.0	
PURO.EARTH STANDARD VERSION	Puro Standard General Rules Version 4.1	
NET VOLUME OF CO ₂ REMOVAL	1547.92 CORCs	
CLIENT	Puro. earth	
PREPARED BY	Earthood Services Limited (formerly known as Earthood Services Private Limited)	
APPROVED BY	 Dr. Kaviraj Singh CEO	
WORK CARRIED OUT BY	Team Leader	Nikhitha Chinthala
	Assessor & Methodology Expert	Saranya Balu

	Technical Reviewer & Methodology Expert	Deepika Mahala
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1. INTRODUCTION

Earthood Services Limited (formerly known as Earthood Services Private Limited) was contracted by Puro. earth to undertake an output audit for the project facility “Truecoco Ghana Ltd Biochar Facility” to verify the CO₂ removal claims for the period spanning from 12/10/2025 to 21/12/2025/01/. This report summarizes the results and conclusions of the output audit performed as a formal part of the Puro. Earth certification process as defined in Puro Standard General Rules version 4.1/06/. Earthood affirms that it is an impartial auditor, free from any conflicts of interest, capable, and qualified to complete this audit according to Puro Standard General Rules/06/ and related Validation and Verification Body Requirements version 1.1/07/.

The biochar facility utilizes coconut husks sourced from small-scale farmers and cooperative suppliers located across the Takoradi–Sekondi region in Western Ghana/08/. The supply of biomass feedstock from these cooperatives to the facility was confirmed through the review of cooperative and farmer agreements, as well as the corresponding waybill delivery slips for the reporting period 12/10/2025 to 21/12/2025/09/.

Agricultural organic waste defined as harvest residues by EBC under ID 05/10/, such as coconut husks undergoes pyrolysis to produce biochar which is sold separately and as a fertilizer blend which is a combination of biochar and compost. The current biochar production capacity is 0.5-0.8 tonnes of dry weight of biochar per hour as verified through the Biochar Production records/11/. Independent research indicates limited organic waste management in the Takoradi–Sekondi region, where biomass is often openly burned, and this project converts coconut husks into biochar to improve cultivation and avoid emissions through reduced open burning.

1.1 OBJECTIVES

The objective of this audit is to conduct a third-party assessment of the operational and administrative processes of the production facility, as well as the output generated and CO₂ removals achieved during the period from 12/10/2025, to 21/12/2025. The assessment verifies compliance of all project documentation and supporting materials with the rules and requirements of the Puro Standard General Rules Version 4.1/06/. In particular,

- Project conformance to the applied biochar methodology Edition 2022 v3.0/04/.
- Life Cycle Assessment (LCA) Report/02/ and CORC calculation/01/
- LCA Model/15/
- Uncertainty and Reversal risk estimation
- Monitoring and Reporting Plan
- Environmental and Social safeguards

- HR records
- Maintenance records

The current project got registered in compliance with the Puro Standard General Rules version 4.1/06/ and is under output audit for third monitoring period (12/10/2025 – 21/12/2025). Therefore, the ongoing CORC issuance has been granted to Truecoco Ghana Ltd as per the Puro Standard General Rules version 4.1/06/.

1.2 LEVEL OF ASSURANCE

☒ Reasonable Level of assurance

☐ Limited Level of assurance

Earthood's verification approach is based on understanding the risks associated with reporting GHG emissions data and the controls in place to mitigate these risks. Earthood's plan for the verification process involved obtaining the necessary evidence, information, and explanations to provide a reasonable level of assurance. The VVB reviewed sufficient evidence to verify the project implementation, data, parameters, and emission reduction calculations for this monitoring period. All the supportive documents and evidence referred during current output audit are included in Appendix 2. Any discrepancies found during the verification assessment were raised as audit findings and successfully resolved. All audit findings are included in Appendix 3 of this report.

During the current output audit, the VVB conducted a remote site audit of the project activity, as detailed in Section 2, and observed no substantial changes, thus meeting a reasonable level of assurance.

1.3 AUDIT TEAM

The audit involved a desk review of the relevant documentation, remote site audit, and technical review. The personnel employed and their roles in this assessment were as follows. The assessment team's qualifications are attached as Appendix 4.

Roles allocated to the assessment team						
Role	Name	Nature of involvement				
		Desk Review	Remote Site Audit	Reporting	Supervision	Technical Review
Team Leader	Nikhitha Chinthala	Y	Y	Y	Y	-

Assessor & Methodology expert	Saranya Balu	Y	Y	Y	-	
Technical Reviewer & Methodology Expert	Deepika Mahala	-	-	-	-	Y

2 AUDIT PROCESS

A planned series of audit activities were conducted during the remote site audit/12/ to independently verify facility operations, production, output data, application of biochar, maintenance records and CORC claims. The remote site audit was conducted following the specifications of Puro Standard General Rules Version 4.1 /06/, the Puro Biochar Methodology Edition 2022 version 3.0/04/. Specific audit activities conducted are summarized below.

1. Opening meeting:

- Conducted an initial meeting to outline the audit objectives, scope, and methodology.
- Reviewed key operational measurement points and instrumentation used in the facility.
- Review of roles and responsibilities of the removal suppliers and the monitoring team.

2. System Inputs and Outputs Review:

- Examined the inputs (biomass feedstock- coconut husks) and outputs (biochar) of the production system.
- Verified the accuracy and consistency of input and output data.
- Reviewed the process-flow from incoming biomass feedstock (coconut husks) to the end -product- biochar.

3. Records Examination:

- Inspected records related to the delivery slips of incoming feedstock, including supplier declarations/08/09/.
- Reviewed production logs detailing the daily operation of the kilns and production outputs/11/.
- Assessed the equipment utilization and maintenance records/27/ to confirm operational management.
- The MRV procedures involve reviewing the dry mass determination of biochar and confirming that the biochar sampling process is conducted in accordance with the applicable SOPs/23/. The assessment also includes verification of the calibration status of monitoring equipment, the validity of calibration certificates, and the incorporation of any applicable moisture meter error factors in the quantification

process/22/. In addition, the assessment reviewed the project's alignment with relevant waste management policies/24/.

4. Data Collection and Material Handling Procedures:

- Evaluated data collection methods and tools to ensure accurate tracking of production metrics.
- Observed material handling procedures to ensure compliance with operational standards and efficiency.

5. Equipment and Calibration Review:

- Checked the calibration records for all measurement instruments and equipment used in the production process/21/22/.
- Ensured that all equipment was properly maintained and functioning correctly.

6. Safety and Social Security Arrangements:

- Assessed the facility's health, safety, and environmental measures, including worker safety protocols, environmental safeguards, emergency preparedness, and the availability of grievance mechanisms based on stakeholder interviews/12/.
- Reviewed employee social security provisions and Compensation Slips/26/ to confirm compliance with applicable local regulations and standards.

7. Compliance Checklist:

- Used the Puro Biochar Methodology Compliance Checklist to systematically verify adherence to the specified standards.
- Documented findings and ensured all criteria were met, with any discrepancies noted and addressed.

8. CORC Claims Verification:

- Independently verified the facility's CO₂ Removal Certificates (CORCs) claims.
- Cross-checked CORC claims against the production and output data to ensure accuracy and legitimacy.

These activities collectively ensured a comprehensive audit of the Biochar production facility, its operations, data integrity, and compliance with the Puro Biochar Methodology version 3.0/4/.

List of facility personnel interviewed during remote site audit is as follows.

S. No	Interviewee			Date	Team member(s)
	Last Name	First Name	Affiliation		

1.	Orr	William	Project Manager, Truecoco Ghana Ltd's Biochar facility	13 th January 2026	Nikhitha Chinthala & Saranya Balu
2.	Kagey	Daniel	Head of Supply, Truecoco Ghana Ltd's Biochar facility		
3.	Erzoah	Francis	Factory Supervisor, Truecoco Ghana Ltd's Biochar facility		
4.	Boabeng	Beatrice	Office Administrator, Truecoco Ghana Ltd's Biochar facility		

S. No	Stakeholders Interviewee			Date	Team member(s)
	Last Name	First Name	Affiliation		
1.	Boadi	Owusu	Farmer (Coconut husk supplier & End User)	13 th January 2026	Nikhitha Chinthala & Saranya Balu
2.	Atobrah	Richard	Farmer (Coconut husk supplier)		
3.	Amakah	Jenet	Farmer (Coconut husk supplier)		
4.	Kesse	James	Co-operative member		

5.	Acqai	James	Co-operative Leader		
The Stakeholders, who majorly include biomass feedstock suppliers, Co-operative members, co-operative leaders and the biochar end-users were interviewed during the remote site audit/12/. Questions asked to the Stakeholders: <i>1. Do you know how to provide feedback, concern or grievance about the project and how?</i> The Stakeholders reported that feedback and grievances are submitted through two mechanisms: (i) direct communication with Mr. Daniel, Head of Supply at Truecoco Ghana, and (ii) entries in the grievance book maintained at the front office of the Truecoco biochar facility/13/. <i>2. Did you get training on biochar application?</i> Biochar end-users, who also supply feedstock biomass (coconut husks), receive periodic training sessions delivered by Daniel, Head of Supply at Truecoco Ghana Ltd's biochar facility. This was verified through the training records, which document biochar application by the end-users on crops/14/. <i>3. On what crops, do you apply biochar?</i> Biochar is applied to different crops such as cocoa, papaya, tomatoes, okra and other varieties. This was verified through the training records/14/, application videos/29/ and during the remote site audit/12/. <i>4. What is the impact of crops after biochar application?</i> The biochar end-users reported that the application of biochar and biochar-blend fertiliser resulted in improved yields. <i>5. How has your experience been partnering with Truecoco?</i> Suppliers and biochar end-users expressed continued interest in supplying to and procuring biochar from Truecoco, citing improved crop yields following biochar application. They also indicated that no complaints or negative feedback have been raised with the Truecoco team, as the current processes are considered efficient.					

3 COMPLIANCE WITH METHODOLOGY

There are no deviations to applied methodology observed during current monitoring period and project activity complies with the registered PPD and the requirements outlined in the applied methodology Puro Biochar Methodology Edition 2022 version 3.0/04/.

4 RESOLUTION OF FINDINGS

The process for raising the findings (corrective actions, non-conformities, or other findings) by the assessment team was carried out during the desk review phase and from the remote site audit observations and discussions. As an outcome of the audit process, the assessment team can raise different types of findings according to the following understanding:

1. A clarification request (CL) is raised where information is insufficient or not clear enough to determine whether the applicable requirements of the registry have been met.
2. When a non-conformance arises, the team leader raises a Corrective Action Request (CAR). CAR is issued, where:
 - a. The project participant made mistakes that would influence the ability of the project activity to achieve real, measurable, and additional emissions reduction.
 - b. The standard and methodology requirements have not been met; there is a risk that emissions reductions cannot be monitored or calculated.
 - c. The auditing process may be halted until this information is made available to the team leader's satisfaction. Information or clarification provided as a result of CL may also lead to CAR.
3. A Forward Action Request (FAR) will be raised when certain issues related to project implementation are reviewed during the following validation assessment.

During the Output Audit, a total of 06 CLs, 02 CARs and 1 FAR were raised and resolved satisfactorily. The list of CARs/CLs raised, and the responses provided, means of verification, reasons for their closure, and corrections in the relevant documents are provided in Appendix 3 of this report. No FAR was raised during this assessment.

5 PRODUCTION STANDING DATA

GENERAL INFORMATION	
Production Facility Name	Truecoco Ghana Ltd's Biochar Facility
Facility ID	816220

CO ₂ Removal Supplier registering the production facility	Truecoco Ghana Limited
Location	Badyloon Street, Tikobo No.1, Jomoro District, Western Region, Ghana
Verified CORC Factor	2.29 ¹ CORCs per ton biochar
Verified CORCs for the reporting period from 12/10/2025 to 21/12/2025	1547.92 ² ton CO ₂ eq CORCS
Dry mass of biochar for the reporting period from 12/10/2025 – 21/12/2025	676.67 tonnes of biochar
Removal Methodology for which the plant is eligible to receive CORCs	Biochar Methodology Edition 2022 V3
Production facility has benefitted from public funding	No
Removal method specific information as may be specified in the relevant removal method methodology	Biochar, Pyrolysis Process

6 QUANTIFICATION OF CO₂ REMOVAL

INPUT	VERIFIED RATE	UNIT	NOTES (Specifications, source, etc)
Biomass supply inputs (collection, handling, transportation emissions), (E_{biomass})	4.58	tonne CO ₂ -eq	The emissions reported under Ebiomass correspond to the biomass feedstock supplied during the third output audit as well as the biomass stock remaining from the second output audit/03/. These emissions include transport-related emissions from the movement of biomass feedstock from suppliers to the biochar facility. The assessment team verified that the average transport distance is within 3 km, supported by the route map showing the start and end points and corroborated through the transport records contained in the Biomass Sourcing datasheet/16/03/. During the reporting period, biochar demand increased due to the planting season in November and December

¹ Verified CORC factor - 2.28754 has been rounded to 2.29

² Corc factor 2.28754 * 676.67 tonnes of Biochar = 1547.92 tonnes of biochar

			2025 across Africa, which resulted in higher demand for biochar application on crops/25/. To meet this increase, Truecoco onboarded additional suppliers to ensure a sufficient and continuous supply of biomass feedstock for biochar production/12/. Consequently, the volume of biomass feedstock received and processed during the current monitoring period increased, and therefore the emissions reported under E_{biomass} also subsequently increased in the current period/12/25/. Emission factors applied for transportation were sourced from the Ecoinvent 3.1 database, as documented in the LCA sheet/15/. An allocation factor of 0.99 was applied, based on the relationship between “total wet biochar applied” and “total dry biochar applied,” as detailed in the Biochar Production Summary sheet of the True_CORC_Report Summary datasheet/01/. Based on these verified inputs and assumptions, the total emissions associated with biomass processing for the reporting period amount to 4.58 tCO₂e. The assessment team confirms that the data sources and parameters used for this calculation, including the inclusion of transportation emissions, are appropriate and acceptable/15/. The calculations used for the determination of E_{biomass} has been sourced from the Biomass sourcing datasheet/16/ and represented in the Truecoco_CORC_Report_Summary datasheet has been found appropriate by assessment team/01/.
Production and operation emissions output (E _{production})	35.49	tonne CO ₂ -eq	The emissions reported under E_{production} correspond to the biochar produced using the biomass feedstock supplied during the third output audit and the remaining stock carried over from the second output audit/03/. Emissions from the biochar production stage include those associated with the use of capital goods and the consumption of electricity, water, diesel, packaging materials, transportation, and construction activities, as modelled in the LCA model/15/. The relevant emission factors and activity data for each source are documented in the

			respective sheets of the LCA model and are derived from the Ecoinvent 3.1 database/15/. An allocation factor of 0.99 was applied based on the ratio of “total wet biochar applied” to “total dry biochar applied,” as detailed in the Production Summary sheet of the Truecoco_CORC_Report Summary datasheet/01/. Based on these verified inputs, the total emissions from the biochar production stage for the reporting period were calculated as 35.49 tCO₂e. The assessment team verified supporting evidence, including diesel invoices, electricity bills, and fuel logs for the current monitoring period/18/, as well as the stock carried over from the second output audit used in the production emissions calculation, and found these sources acceptable. Further, the Eproduction value for the current monitoring period is higher than in the previous monitoring period due to an increased volume of biomass feedstock processed during the period, which required longer operational hours and resulted in higher consumption of electricity, water, and diesel. Consequently, the increased processing demand led to greater resource utilization, thereby increasing the overall Eproduction /12/15/. The calculations used for the determination of Eproduction have been provided in the LCA model/15/ and have been found appropriate by the assessment team.
Product distribution emissions output (E _{use})	40.74	tonne CO ₂ -eq	Emissions associated with the use phase of biochar (E_{use}) cover two main application pathways: (i) direct sale of biochar to buyers for soil application, and (ii) production of a biochar-fertiliser blend, where biochar is mixed with compost prior to sale. Under this category, emissions primarily arise from the transportation of biochar from the production facility to the end users. Based on the activity data and emission factors included in the LCA model, total emissions from the use phase are calculated to be 40.74 tCO₂e. The assessment team verified the inputs used for this calculation by

			reviewing supporting documentation, including the Biochar Use records/19/, end-user agreements/15/, and evidence corroborating the values entered in the LCA model/15/. Biochar end users include farmers from local cooperatives as well as farms such as Wonderwood Farms, KN Sharma Farms, and Wellborn Farms, which are located at comparatively greater distances from the Truecoco biochar facility. Due to the large quantities supplied and the longer transport distances involved, biochar is delivered to these farms using lorries. Consequently, the Euse factor for the current monitoring period is higher than that of the previous monitoring period (06/08/2025–11/10/2025), primarily due to the longer transportation distances to end-user locations/15/17/. The calculations applied for the determination of Euse, as provided in the “Biochar Final Use” tab of the Truecoco_CORC_Report_Summary datasheet, have been reviewed and found appropriate by the assessment team/01/.
E _{stored}	-1628.72	tonne CO ₂ -eq	The project produced and applied a total of 676.67 metric tons of biochar as verified through the production records/17/. Laboratory analysis determined that the organic carbon content of the biochar was 81.1% with a hydrogen content of 1.7%/20/. The E_{stored} is -1628.72 tCO₂e. The assessment team verified the calculations in the LCA Model and were found acceptable/15/.
Biochar used for which CORCs are claimed	676.67	Dry metric tonnes	The biochar for which the CORCs are claimed for has been verified through the delivery slips to end-users and end-user agreements and the LCA model/08/15/19/.
CORCs issued	1547.92	CORCs	The value is correctly calculated based on the total production of biochar during the reporting period, stock from second output audit/03/, and LCA calculation/15/.

Formula CORCS = E_{stored} – E_{biomass} – E_{production} – E_{use}

E _{biomass}	4.58/676.67	0.01 tonne CO ₂ -eq/tonne biochar
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E _{production}	35.49/676.67	0.05 tonne CO ₂ -eq/tonne biochar
E _{use}	40.74/676.67	0.06 tonne CO ₂ -eq/tonne biochar
E _{stored}	-1628.72/676.67	-2.41 tonne CO ₂ -eq/tonne biochar
CORC Factor	1547.92/676.67	2.29 CORCs/tonne biochar
H:Corg ratio	0.25	

7 FINAL OPINION

Based on our comprehensive review of the project documentation, thorough site inspection, and subsequent follow-up actions, Earthood Services Limited has gathered sufficient evidence to conclude that the production facility "Truecoco Ghana Biochar Facility" meets the requirements outlined in the Puro Standard General Rules Version 4.1 /06/. We confirm that the Puro Biochar Methodology Edition 2022 version 3.0/04/ has been correctly applied for output and CO₂ removal calculation.

The project implementation aligns closely with the information provided in the project documentation, and monitoring procedures adhere to the prescribed methodology. Furthermore, the removals achieved during the current monitoring period have been accurately calculated without significant discrepancies.

Our verification approach is grounded in a deep understanding of the risks associated with reporting GHG emission data and the implementation of controls to mitigate these risks effectively. Based on the evaluated information, we affirm that the emission removals for the third reporting period from 12/10/2025 to 21/12/2025, amount to 1547.92 CORCs.

Therefore, Earthood Services Limited confirms the production facility's capability to effectively remove CO₂ and requests the issuance of CORCs for the third reporting period.

APPENDIX 1: ABBREVIATIONS

Abbreviations	Full texts
CAR	Corrective Action Request
CL	Clarification Request
FAR	Forward Action Request
Earthood	Earthood Services Limited
CORC	CO ₂ Removal Certificate
GHG	Greenhouse Gas(es)
PPD	Puro Project Description

VVB	Validation and Verification Body
LCA	Life Cycle Assessment
CDR	Carbon dioxide Removal

APPENDIX 2: REFERENCES

S.No.	Title	References to the document	Provider
1	CORC Report Summary	Dated 22/12/2025	Truecoco Ghana Ltd
2	Life Cycle Assessment Report	-	Truecoco Ghana Ltd
3	Life Cycle Assessment Reporting Sheets MP2:	-	Truecoco Ghana Ltd
4	Applied Methodology – Biochar Methodology	Version 3.0	Puro earth
5	Puro Standard General Rules	Version 3.1	Puro earth
6	Puro Standard General Rules	Version 4.1	Puro earth
7	Validation & Verification Requirements	Version 1.1	Puro earth
8	Truecoco's Biomass Suppliers – List of Co-operatives Delivery Slips of Biomass	Period 12/10/2025 – 21/12/2025	Truecoco Ghana Ltd
9	Truecoco's Supplier Declarations – Origin & Legality of Biomass Feedstock	12/10/2025 – 21/12/2025	Truecoco Ghana Ltd
10	Positive list of biomass feedstock https://www.european-biochar.org/media/doc/2/positivlist_en_2025_v02.pdf	-	Others
11	Biochar Production records	Period 12/10/2025 – 21/12/2025	Truecoco Ghana Ltd
12	Remote audit	Dated	Truecoco Ghana Ltd

		13/01/2026											
13	Grievance book Located at the Truecoco Ghana Biochar Facility	-	Truecoco Ghana Ltd										
14	Trainings on application of biochar a. Pictographic evidence b. Video evidence	Dated 12/10/2025 - 21/12/2025	Truecoco Ghana Ltd										
15	LCA Model on Truecoco Ghana Ltd's Biochar Production and Use for CORC calculation	Period 12/10/2025 - 21/12/2025	Truecoco Ghana Ltd										
16	Biomass Sourcing datasheet	Dated 22/12/2025	Truecoco Ghana Ltd										
17	End-user agreements of Biochar a. Truecoco's coconut co-operatives b. Agricultural off-takers – Supply % Profit Sharing agreement	Period 12/10/2025 - 21/12/2025	Truecoco Ghana Ltd										
18	Source of emissions related to Eproduction a. Invoices of Electricity bills b. Invoices of Diesel consumption c. Water consumption records	-	Truecoco Ghana Ltd										
19	Biochar Usage records	Period 12/10/2025 - 21/12/2025	Truecoco Ghana Ltd										
20	Biochar Analysis Report provided by Eurofins – Report number – AR-25-FR-061023-01	Dated 13/01/2026	Eurofins - Umwelt										
21	Internal Calibration Requirements <table border="1"><tr><td>S. No</td><td>Device</td><td>Model</td><td>Use</td><td>Calibration</td></tr><tr><td>1</td><td>Platform scale</td><td>WADFLOW WEC 1531</td><td>Weighing of biochar</td><td>EURAMET/cg-18 Once a year or</td></tr></table>	S. No	Device	Model	Use	Calibration	1	Platform scale	WADFLOW WEC 1531	Weighing of biochar	EURAMET/cg-18 Once a year or	Dated July 2025	Truecoco Ghana Ltd
S. No	Device	Model	Use	Calibration									
1	Platform scale	WADFLOW WEC 1531	Weighing of biochar	EURAMET/cg-18 Once a year or									

					semi-annual		
	2	Direct Reading Thermometer	SELEC TC303	Production Temperature	DKD-R 5-1:2018	Once a year	
	3	Moisture meter	Paddy rice YY1011	Biochar moisture measurements	ISO712: 2009 (E)	Once a year	
	4	Gas Analyzer	Testo 350_2010	One-time third party conducted gas analysis by SGS	NA (Third party analysis by SGS)		
22	Devices, Manufacture & Error factor applicable					-	Truecoco Ghana Ltd
	S . N o	Name	Pur pose	Serial Number	Manufa cturer	Acc urac y clas s	Error factor
	1	Platform scale	Wei ghin g of bioc har	2433137 192	WAD FOW	II	0.0 g
	2	Direct Reading Thermometer	Pro duct ion Tem per ature	2502A00 5056000 0145	SELE C	NA	6 °C
	3	Moist ure meter	Bioc har moi stur e mea sure me nts	X001TNH VMF	IERYI	NA	0.9%
23	Standard Operating Procedures (SOP)					Dated	Truecoco Ghana Ltd
	a. Dry mass determination of biochar					29 th July 2025	
	b. Biochar sampling					21 st July 2025	
	c. Data Collection and Management					30 th October 2025	

24	Waste Policies a. Spill Response Plan b. Waste Disposal Policy	Dated 05/05/2025	
25	Independent research regarding Planting season in Africa https://www.concern.net/news/winter-cropping-malawi-sustaining-livelihoods-farmers-throughout-year https://fews.net/sites/default/files/2024-07/MW-Seasonal-Calendar-202406.pdf https://reliefweb.int/report/world/crop-monitor-early-warning-no-111-december-2025 https://edcintl.cr.usgs.gov/downloads/sciweb/1/shared/fews/web/Seasonal%20Monitors/East%20Africa/2025/East%20Africa%20Seasonal%20Monitor%20-%20October%202025.pdf	-	-
26	Sample Pay-slips of Employees	For the month of December 2025	Truecoco Ghana Ltd
27	Maintenance records	Period 12/10/2025 - 21/12/2025	Truecoco Ghana Ltd
28	Employment records	Period September 2025 December 2025	Truecoco Ghana Ltd
29	Biochar Application videos	-	Truecoco Ghana Ltd

APPENDIX 3: AUDIT FINDINGS

Table 1. FAR from previous verification

FAR ID	NA	Section no.	NA	Date : DD/MM/YYYY
Description of FAR				
There were no FARs raised from previous verification.				
Project participant response				Date : DD/MM/YYYY
Documentation provided by project participant				

VVB assessment	Date: DD/MM/YYYY
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Table 2. CL from current assessment

CL ID	01	Section no.	Date : 12/01/2026
Description of CL			
Clarification on the Biomass Feedstock sourcing and Biochar end-use Inconsistencies were observed in the feedstock values reported in the datasheet <i>BiomassSourcing_MP3_Oct_Dec_v4. final</i> when compared to the waybills of suppliers - Daniel, Frank, Gabriel, Dominic Mozu, and James Kesse. Although it was not required by the supplier to provide 100% of total biomass supply documentation as verified through the "Combined Production Facility and Output Audit Report", the Project Proponent (PP) shall clarify the basis on which the incoming biomass in the Biomass sourcing sheet is reported. Additionally, the PP shall explain why the volume reported in the summary sheet tab (Row R) of <i>BiomassSourcing_MP3_Oct_Dec_v4. final</i> reflects the exact feedstock volume for certain suppliers, while lower volumes are reported for others. Further, the PP shall describe how the corresponding values of the biomass feedstock are derived from the waybills and reported in the summary tab of the <i>BiomassSourcing_MP3_Oct_Dec_v4. final</i> datasheet.			
Project participant response			Date : 13/01/2026
Truecoco has noted that there is an error with 0.7% of the total waybills, this was flagged by Truecoco during the audit. All Truecoco's data collection is gathered using conservative figures to ensure that no data is either double counted or over calculated. For example, during Truecoco's sample vehicle weighing for both Kias (4.05MTS) and Tricycles (0.35MTS), the average capacity of the vehicles exceeded the current recorded values. However, Truecoco has rounded down this figure to ensure that conservative calculations are put in place during each monitoring period. Truecoco manages and collates significant volumes of data daily and has put SOPs to ensure that all project data is accurately captured and fed into the applicable documents. Alongside SOPs, all Truecoco's waybills are uniquely numbered. This unique number can be found in the document <i>BiomassSourcing_MP3_Oct_Dec_v4. Final, "2025 T1 supply – Total", column B</i>. Included is Truecoco's SOP data collection document. Going forward, Truecoco is looking to move to a fully digitised system to improve the accuracy of the data collection. This involves upskilling of the current team to ensure that all the data is captured and stored digitally.			
Documentation provided by project participant			
<i>DataCollection_Truecoco_SOP</i>			
VVB assessment			Date: 16/01/2026
The comparison between the values reported in the CORC report summary and the corresponding source values in the waybills shows an error of approximately 0.7%, which is considered negligible. In addition, a conservative approach has been applied, as the quantities reported in the CORC report are lower than those stated in the waybills. Therefore, the assessment team considers the values reported in the CORC report to be applicable. Further, since each waybill is associated with a unique identification number, there is no risk of double counting, and this is also reflected in the Biomass Feedstock Sourcing datasheet. The review of the SOPs for biomass feedstock data collection also confirms that a conservative approach has been followed in determining the average quantity of biomass feedstock. Overall, considering the conservative approach applied, the assessment team concludes that the values reported in the CORC report summary are appropriate. CL01 is closed.			

CL ID	02	Section no.		Date : 12/01/2026
Description of CL				
Clarification on the Biochar End-use Application Based on the invoices reviewed, the quantity of biochar applied at Wonderwood Farms is reported as 360 MT, which represents a significantly large volume attributed to a single farm. The Project Proponent (PP) shall clarify the nature and classification of Wonderwood Farms, including the type of farming operations undertaken. In addition, the PP shall provide geotagged video evidence demonstrating the biochar application activities carried out at Wonderwood Farms. The PP shall also specify the crop types on which biochar has been applied at Wonderwood Farms.				
Project participant response				Date : 13/01/2026
Wonderwood farms is an aggregator for the biochar. They are responsible for composting and blending the biochar, before then distributing the product to multiple farms in the region. Truecoco records the end-use point at the Wonderwood farms site, here the composting and blending of the product takes place. This is in line with the 2022 Biochar Methodology. The biochar is blended with either chicken manure or topsoil with a ratio of 45% biochar/ 55% blend. So far, Truecoco has supplied 360MTs out of a 1,500 MTs agreement (see <i>WonderWoodFarms_enduseagreement_signed,Puro.pdf</i>). Truecoco anticipates that Wonderwood farms will require more biochar to fulfil the contract delivery of 4,000MTs to the Middle Zone under the FSRP World Bank Project. Truecoco has sent videos of the mixing to the VVB. Wonderwood Farms is currently supplying the biochar blend across variety of cash crops including maize, soya, tomatoes, plantain, and garden eggs.				
Documentation provided by project participant				
<i>No additional documentation has been provided</i>				
VVB assessment				Date: 16/01/2026
On reviewing the End-user agreement between Truecoco and Wonderwood Farms, a total quantity of 1,500 MT has been declared for the period October 2025 to April 2026. Within this total, 360 MT of biochar has been supplied by Truecoco to Wonderwood Farms. Based on the video evidence of (i) blending of biochar with compost and (ii) application of the blended material, as well as the corresponding sales invoices, it has been verified that biochar was supplied by Truecoco and that application is being carried out on crops including maize, soya, tomatoes, plantain, and garden eggs. CL02 is closed.				

CL ID	03	Section no.		Date : 12/01/2026
Description of CL				
Clarification on the accuracy of internal documentation Inconsistencies have been identified in the waybills for incoming biomass feedstock generated by the carbon removal supplier. The Project Proponent (PP) shall provide a clear explanation of the cross-checking and verification procedure applied to waybills, including how errors in incoming biomass feedstock documentation are detected and prevented prior to accounting. Further, the PP shall submit details of the preventive controls implemented by monitoring personnel to ensure the accuracy, credibility, and traceability of (i) waybills used for biomass processing records. The PP shall also provide evidence of the documentation and control records maintained to demonstrate implementation of these measures, including the specific measures adopted to prevent double counting and to ensure the integrity of all supporting records.				
Project participant response				Date : 13/01/2026
Truecoco has noted that there is an error with 0.7% of the total waybills, this was flagged by Truecoco during the audit. All Truecoco's data collection is gathered using conservative figures to				

ensure that no data is either double counted or over calculated. For example, during Truecoco's sample vehicle weighing for both Kias (4.05MTS) and Tricycles (0.35MTS), the average capacity of the vehicles exceeded the current recorded values. However, Truecoco has rounded down this figure to ensure that conservative calculations are put in place during each monitoring period.

Truecoco manages and collates significant volumes of data daily and has put SOPs to ensure that all project data is accurately captured and fed into the applicable documents. Alongside SOPs, all Truecoco's waybills are uniquely numbered. This unique number can be found in the document *BiomassSourcing_MP3_Oct_Dec_v4. Final, "2025 T1 supply – Total", column B*. Included is Truecoco's SOP data collection document. Going forward, Truecoco is looking to move to a fully digitised system to improve the accuracy of the data collection. This involves upskilling of the current team to ensure that all the data is captured and stored digitally.

Documentation provided by project participant

DataCollection_Truecoco_SOP

VVB assessment

Date: 16/01/2026

Each waybill documenting the biomass feedstock quantity is assigned a unique identification number, which eliminates the risk of double counting. In addition, the SOPs for biomass feedstock collection confirm that a conservative approach is applied when determining biomass quantities for each delivery vehicle. The Biomass Feedstock Sourcing datasheet further supports this process, as it contains daily input logs that provide clear traceability of the quantified biomass and the corresponding feedstock source.

Overall, based on the review of the data collection SOPs, the detailed supplier list, the use of uniquely numbered waybills, and the presence of designated monitoring personnel, the assessment team confirms that Truecoco has adequate documentation and cross-check procedures in place to ensure accurate reporting of biomass feedstock entering the facility and also to prevent double counting.

CL03 is closed.

CL ID	04	Section no.		Date	12/01/2026
Description of CL					
Clarification on the Permanence Factor calculation In the calculation of the Permanence Factor ($F_{\text{permanence}}$), the approach applied by the carbon removal supplier results in a value of 80%, whereas the official Puro template yields 81%. The Project Proponent (PP) shall clarify the rationale for not using the prescribed Puro template for the Permanence Factor calculation and shall explain the reason for the observed deviation in results.					
Project participant response					Date
The formula used to calculate the Permanence Factor is the same as that described in the Puro methodology (2022, version 3), which was validated during Output Audits 1 and 2. A revised version of the CORC report, "Truecoco_CORC_Report_Summary_Third_Output_Audit_22-12-2025 - revised following audit findings 13-01-2026", using the official Puro template approach for calculating the Permanence Factor, has been developed. The newly calculated Permanence Factor value is identical to the value obtained using the official Puro template. To achieve this, the "Fperm_SI_Woolf2021" tab from the Puro template was imported, and the same formulae as in the Puro template were applied in:					14/01/2026

- column T ("Slope c [calculated]"),
- column U ("Intercept m [calculated]"), and
- column V ("Permanence factor")

within the "Biochar Final Use" tab.

Documentation provided by project participant

Truecoco_CORC_Report_Summary_Third_Output_Audit_22-12-2025 - revised following audit findings 13-01-2026

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VVB assessment

Date: 16/01/2026

The revised CORC report (Truecoco_CORC_Report_Summary_Third_Output_Audit) has been reviewed, and it is confirmed that the official Puro template approach has been applied for the calculation of the Permanence factor. By incorporating the Puro template within the "Biochar Final Use" tab, the final calculated value of F-permanence is 0.81 and the same is applied in the further CORC calculations.

Hence, CL04 is closed.

CL ID	05	Section no.		Date	12/01/2026
Description of CL					
Clarification on the Biochar stock In the Tab – <i>Summary and CORC</i> of the datasheet <i>Truecoco_CORC_Report_Summary_Third_Output_Audit_22-12-2025</i>, the carbon removal supplier had reported a biochar stock at the beginning of the monitoring period (18.06 dry metric tonnes of biochar) and a remaining stock at the end of the monitoring period (3.78 dry metric tonnes of biochar). However, the supplier has applied a single set of biochar properties ($C_{org} = 81.1\%$ and $H = 1.7\%$) across the entire CORC calculation. The carbon removal supplier has not calculated Estored at the biochar batch level, ensuring that each batch used in the monitoring period is explicitly linked to its corresponding biochar property values (e.g., C_{org}, H). PP shall clarify the reasoning of how the current approach remains transparent, accurate, and free from potential errors.					
Project participant response					Date : 13/01/2026
In the "Summary and CORC sheet", cell C87 (Adjusted Cstored) shows that the carbon stored associated with the amount of biochar in stock at the beginning of the reporting period is adjusted as follows: The carbon stored calculated using the biochar properties from the third reporting period lab report ($C_{org} = 81.1\%$ and $H = 1.7\%$) is subtracted from the total Cstored. In the same cell, the carbon stored calculated using the biochar properties from the second audit lab report ($C_{org} = 75.9\%$, $H = 1.2\%$, and permanence factor = 0.84) is added to the Adjusted Cstored.					
Documentation provided by project participant					
<i>Truecoco_CORC_Report_Summary_Third_Output_Audit_22-12-2025 - revised following audit findings 13-01-2026</i>					
<i>LCA TrueCoco Third Output Audit 22-12-2025 - revised following audit findings 13-01-2026</i>					
VVB assessment					Date: 16/01/2026

The assessment team verifies that, in the latest file for the calculation of E_{stored}, the PP has used the applicable biochar properties from the relevant laboratory analysis reports, specifically C_{org} = 75.9% and H = 1.2% for the biochar remaining in stock from the second output period, and the laboratory report applicable to the third output audit with C_{org} = 81% and H = 1.7% for the calculation of E_{stored}, as reflected in the “CORC and Summary” tab of the Truecoco CORC Report Summary.

Hence CL05 is closed.

CL ID	06	Section no.	Date : 13/01/2026
Description of CL			
Clarification on Biochar production and operational schedule 1. In the current monitoring period (MP3), the total wet biochar production is reported as 853 MT, whereas in the previous monitoring period (MP2), the total wet biochar production is reported as 545.1 MT. This represents an increase of more than 56% in reported biochar production compared to MP2. The Project Proponent (PP) shall clarify the reason for the significant increase in biochar production during MP3. Also, PP shall highlight if there were additional manpower and operational changes incurred for the increase in the biochar production in the current monitoring period. 2. The Combined Facility and Output Audit states that the average processing capacity of the biochar production unit is 0.5–0.8 metric tonnes of dry biochar per hour. The CORC Report summary applicable for the current monitoring period further reports a total dry biochar production of 662 metric tonnes over a monitoring period of 71 days, with an average running duration of approximately 11 hours per day. The PP shall clarify the operational schedule of the facility during MP3, including whether any maintenance days, shutdown periods, or production interruptions occurred, and whether any additional shifts/overtime were implemented and corresponding additional compensation was provided to employees.			
Project participant response			Date : 13/01/2026
1. The increase in biochar production has been driven by several factors over this monitoring period. Since beginning the project, Truecoco has worked hard to increase the volume of biochar sold to agri-offtakers, whilst still supplying to local cooperatives for free. Through a combination of the beginning of the planting season, increased knowledge around the application of biochar to improve soil, returning customers and references from offtakers about the product, and subsidized biochar purchasing through large projects such as the FSRP project, we have seen an increasing demand for the product. As Ghana’s leading industrial biochar producer, Truecoco has been required to match that demand. Truecoco forecast that this demand will increase in the upcoming months as further subsidized projects come online, and Truecoco increases its large agri-offtake partner network. Furthermore, it must be noted that Truecoco has still not achieved the maximum capacity in terms of throughput concerning the machinery. Ahead of the next MP, Truecoco expects to see a further increase in production capacity which is driven by improved customizations to the throughput. Already Truecoco has increased the volume throughput by using a chipper with a 50% increase capacity. It is now the project’s intention to use both chippers simultaneously to achieve the advertised output from the machinery supplier. From the start of production to current project production, the Truecoco manpower has increased by 200% with 100% retention of staff. By maintaining a core team of skilled engineers who have been with the project from inception, Truecoco has been able to incrementally increase and maintain production levels. To facilitate the growing operation, Truecoco has increased the capacity of the supply team to include two additional major suppliers. Truecoco now works with five major Kia suppliers			

who are responsible for supplying the site in tandem with the initial suppliers. Truecoco is actively looking for more suppliers to de-risk the supply side, with an ambition to start working with suppliers from further afield.

2. Truecoco aims to be operational for 5 and half, 24hr shift days a week. To date, the project has strived to achieve and maintain this level for a sustained period of time, and the project has seen a gradual improvement to achieving this goal. Maintenance is completed when necessary but generally it is carried out twice a week over a 12-hour period.

The increase in manpower has enabled Truecoco to run three eight-hour shifts over the course of a 24-hour period. The employees who work at night receive additional compensation, and all employees receive a production bonus as additional compensation which is determined by the monthly output against the company targets.

Documentation provided by project participant

None provided

VVB assessment

Date: 16/01/2026

1. Through the review of end-user agreements signed between the Agri off-takers and Truecoco, it was verified that large quantities of biochar were supplied by Truecoco during the period from October 2025 to April 2026. This is further supported by stakeholder discussions conducted during the site visit, which confirmed that demand for biochar increased with the onset of the planting season in Africa, thereby requiring higher quantities of biochar for crop application. In addition, on the supply side, the assessment team confirmed through the review of waybills and supplier declarations that new suppliers have partnered with Truecoco for the supply of incoming feedstock biomass. The assessment team also reviewed HR records, specifically employment records from September and December, to confirm an increase in Truecoco manpower.

2. The assessment team reviewed the maintenance records for the current monitoring period to confirm the maintenance activities carried out at the facility. Production records indicate that the facility operated continuously in three eight-hour shifts over a 24-hour period. The increase in manpower at Truecoco supported these extended operating hours and enabled higher production levels. In addition, the assessment team reviewed payslips to verify that employees working overtime were appropriately compensated. Therefore, based on the combined review of employment records, payslips, production records, and maintenance records, the assessment team confirms that the facility operated for longer than the usual operating hours, supported by additional manpower to meet the increased demand for biochar.

CL06 is closed.

Table 1. CAR from current assessment

CAR ID	01	Section no.		Date	12/01/2026
Description of CAR					
Eurofins Umwelt report The Eurofins Umwelt report (Report No. AR-25-FR-069771-01) submitted for the elemental analysis and environmental quality assessment of biochar indicates a sample collection date of 17-05-2025 and a reception date of 28-10-2025. However, the applicable monitoring period for the current submission is from 12-10-2025 to 21-12-2025. The submitted report reflects a sampling date in May 2025, which falls outside the stated monitoring period by more than six months and corresponds to the first monitoring period. Consequently, the report is not representative of the current monitoring period. The Project Proponent (PP) shall provide a biochar analysis report based on samples collected within the applicable monitoring period and use the relevant elemental analysis of the biochar from the biochar sample drawn from the applicable monitoring period for the CORC calculation.					
Project participant response					Date
					13/01/2026

There was an error during the processing of the report. The sample was taken a week prior to Eurofins receiving the biochar. The report has been updated to reflect what the actual sample testing date was. Truecoco took the sample 20th October as indicated in the updated report. Please see the updated report attached.

Documentation provided by project participant

AR-25-FR-069771-02_PuroAudit.Output3

VVB assessment

Date: 16/01/2026

The latest Eurofins Umwelt report (Report No. AR-25-FR-069771-01) submitted for the elemental analysis and environmental quality assessment of biochar indicates a sample collection date of 20-10-2025 and a reception date of 28-10-2025. Hence the latest report for the current monitoring period has been reviewed by the assessment team and deemed appropriate.

Hence, CAR01 is closed.

CAR ID	02	Section no.		Date	12/01/2026
Description of CAR					
Corrections in the datasheet <i>Truecoco_CORC_Report_Summary_Third_Output_Audit_22-12-2025</i> 1. In Column C (<i>Evidence of eligible end-use (delivery notes, photos)</i>) of the tab - Biochar Final Use of the datasheet <i>Truecoco_CORC_Report_Summary_Third_Output_Audit_22-12-2025</i>, the Project Proponent (PP) has referenced the general "Output folder" instead of identifying the specific supporting evidence file(s). Required Action: PP shall revise Column C to cite the exact file name(s) (e.g., delivery note PDF/scan, photo file, video link, etc.) corresponding to each listed end-use record, rather than referring to the overall folder. 2. In the column N (Moisture of biochar) of the tab – Biochar Final Use of the datasheet <i>Truecoco_CORC_Report_Summary_Third_Output_Audit_22-12-2025</i>, the value represented for the moisture of biochar shall be sourced from the Laboratory analysis reference while currently its sourced from the moisture measurement during the Biochar Production records. PP shall apply the right value of the moisture percentage of biochar from the laboratory report for the calculation of the emissions from the Biochar application (Euse).					
Project participant response					Date
1. Please see the updated CORC report summary. Column C has been updated with the corresponding file name that is linked to the end-use record. 2. If the average moisture content calculated from the moisture meter measurements, including the margin of error (22.4%), is replaced by the moisture content reported by the laboratory analysis (19.3%), the calculated total amount of biochar applied would exceed the total amount of biochar produced, which is not physically consistent. Therefore, the moisture content value obtained from the moisture meter measurements, including the margin of error (22.4%), was retained as it represents a more conservative and physically consistent assumption. No changes were made to the sampling procedure or to the dry mass determination procedure.					13/01/2026
Documentation provided by project participant					
<i>Truecoco_CORC_Report_Summary_Third_Output_Audit_22-12-2025 - revised following audit findings 13-01-2026</i>					

LCA TrueCoco Third Output Audit 22-12-2025 - revised following audit findings 13-01-2026

VVB assessment **Date:** 16/01/2026

1. In the Column C (*Evidence of eligible end-use (delivery notes, photos)*) of the tab - Biochar Final Use of the datasheet *Truecoco_CORC_Report_Summary_Third_Output_Audit_22-12-2025*, the exact file has now been mentioned by the PP.
2. Since, as a conservative approach, the moisture meter measurements including the margin of error result in a moisture content of 22.4%, the approach adopted by the PP has been accepted by the assessment team.

CAR02 is closed.

Table 2. FAR from current assessment

FAR ID	01	Section No.		Date	: 12/01/2026
Description of FAR					
Quantification approach of the CORCs					
For the overall quantification of CORCs, the carbon removal supplier shall use the puro template for the calculation of all the applicable parameters – Euse, Ebiomass, Estored and Eproduction from the next output audit onwards.					
Project participant response					Date : 13/01/2026
Noted. <i>For the next output audit onwards, the full Puro official template will be used.</i>					
Documentation provided by project participant					
VVB assessment					Date:

APPENDIX 4: AUDIT TEAM EXPERIENCE

Competence Statement			
Name	Nikhitha Chinthala		
Country	India		
Education	M.Tech (Renewable Energy) B.Tech (Electrical and Electronics Engineering)		
Experience	2.5 + Years		
Approved Roles			
Team Leader	YES		
Validator	YES		
Verifier	YES		
Local expert	YES (India)		
Financial Expert	NO		
Technical Reviewer	NO		
TA Expert (X.X)	YES (TA 1.1, 1.2 & TA 13.1)		
Reviewed by	Shifali Guleria (Quality Manager)	Date	07/01/2026
Approved by	Deepika Mahala (Technical Manager)	Date	07/01/2026

Competence Statement			
Name	Saranya Balu		
Education	MS Environmental Engineering		
Experience	4+ years		
Field	Solid Waste Management & Plastic Waste Management		
Approved Roles			
Team Leader	YES		
Validator	YES		
Verifier	YES		
Local expert	YES (India)		
Financial Expert	NO		
Technical Reviewer	NO		
TA Expert (X.X)	YES (TA 13.1 & TA 13.2)		
Reviewed by	Shifali Guleria (Quality Manager)	Date	04/12/2025
Approved by	Deepika Mahala (Technical Manager)	Date	04/12/2025

Competence Statement			
Name	Deepika Mahala		
Country	India		
Education	M. Sc. (Environment Management), GGSIP University B.Sc. Hons. (Chemistry), Sri Venkateshwar College, DU		
Experience	10 Years +		
Field	Climate Change		
Approved Roles			
Team Leader	YES		
Validator	YES		
Verifier	YES		
Local expert	YES (India, Bangladesh)		
Financial Expert	NO		
Technical Reviewer	YES		
TA Expert (X.X)	YES (TA 1.1, TA 1.2, TA 3.1, TA 13.1, TA 13.2 & TA 4.1)		
Reviewed by	Shifali Guleria (Quality Manager)	Date	02/10/2025
Approved by	Kaviraj Singh (Executive Director & CEO)	Date	02/10/2025