

NETZERO-002-LAJINHA OUTPUT AUDIT REPORT

For Puro.Earth

CO ₂ Removal Supplier	NetZero
Removal Method	Biochar
Facility ID	141608
Production Facility	NetZero-002-Lajinha
Production Facility Addresses	Córrego do Areado, S/N, 36980-000, Lajinha, MG, Brazil
Claimed Net Volume of CO ₂ Removal	3022.74 CORCs
Verified Net Volume of CO ₂ Removal	3022.74 CORCs
Removal Period	November 1, 2024 – October 31, 2025
Auditors	350Solutions: Kelly Inder-Nesbitt Steven Qiu
Version	V1.2

ISSUED: DECEMBER 17,
2025



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ACRONYMS

CDR	Carbon dioxide removal
CO₂	Carbon dioxide
CORC	CO ₂ Removal Certificate
EBC	European Biochar Certification
EF	Emissions factor
GHG	Greenhouse gas
IBI	International Biochar Initiative
SO_x	Sulfur oxide
NO_x	Nitrogen oxide
LCA	Life Cycle Analysis
CO	Carbon monoxide
CH₄	Methane
N₂O	Nitrous oxide

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OUTPUT AUDIT REPORT

Company: NetZero-002-Lajinha	Company Contacts: Olivier Reinaud	Audit Team: Kelly Inder-Nesbitt* Steven Qiu
Removal Method: Biochar		
Report Date: December 17, 2025		
Document No: 350VR-PU2512		
Rev: V1.2		

**Primary contact/lead author*

1. INTRODUCTION



FIGURE 1: NETZERO LAJINHA FACILITY

Puro.earth contracted 350Solutions to perform an Output Audit of carbon dioxide removal credit (CORC) claims associated with the NetZero Lajinha biochar production facility, located in Minas Gerais, Brazil. The audit evaluated the facility's ability to generate durable carbon removals through the thermochemical conversion of locally sourced coffee husk residues into stable biochar. The scope of the audit included review of operational data, monitoring systems, process controls, and evidence provided by the supplier to demonstrate adherence to the applicable Puro.earth Standard and Biochar Methodology.

This Output Audit involved a desk-based assessment of documentation provided by NetZero, including facility-level information, the Life Cycle Assessment (LCA) report, previous audit package submissions, and associated traceability records. The objective of the audit was to confirm that NetZero Lajinha has the appropriate equipment, procedures, and controls to quantify net greenhouse gas removals in accordance with the requirements of:

- Puro.earth General Rules v3.1 [1]
- Biochar Methodology Edition 2022 v3 [2]

A summary of the project and Output Audit is provided below.

TABLE 1: OUTPUT AUDIT SUMMARY

Verification Summary	
CO ₂ Removal Supplier	NetZero
Removal Method	Biochar – Coffee husk residue
Verification Type	Output Audit for Puro.Earth, Puro Standard General Rules (v3.1) and Biochar Methodology (2022 v3)
Production Facility Name & Registry ID	NetZero-002-Lajinha, ID: 141608
Production Facility Location	Córrego do Areado, S/N, 36980-000, Lajinha, MG, Brazil
Verified CORCs	3022.74 tonnes CO ₂ e
Audit Kickoff Date	October 15 th , 2025
Audit Report Date	December 17 th , 2025

2. TECHNOLOGY DESCRIPTION

2.1 PROCESS OVERVIEW

The NetZero Lajinha facility produces biochar through the thermochemical conversion of locally sourced coffee husk residues using a continuous pyrolysis system. Feedstock delivered from nearby dehusking sites is weighed on arrival and transferred to protected storage to prevent moisture uptake and decomposition. The feedstock is then metered through the production line, where it undergoes controlled heating to form a stable carbon-rich biochar. Once the reactors reach operational temperature, process heat is supplied primarily through the combustion of recovered pyrolysis gases, with diesel used only during system start-up or exceptional interruptions. The resulting biochar is quenched, weighed, packaged in individually identified bags, and allocated to contracted farmers for use as a soil amendment. Across all stages, the facility maintains monitoring, traceability, and data-collection procedures consistent with the documentation reviewed for the Lajinha facility.

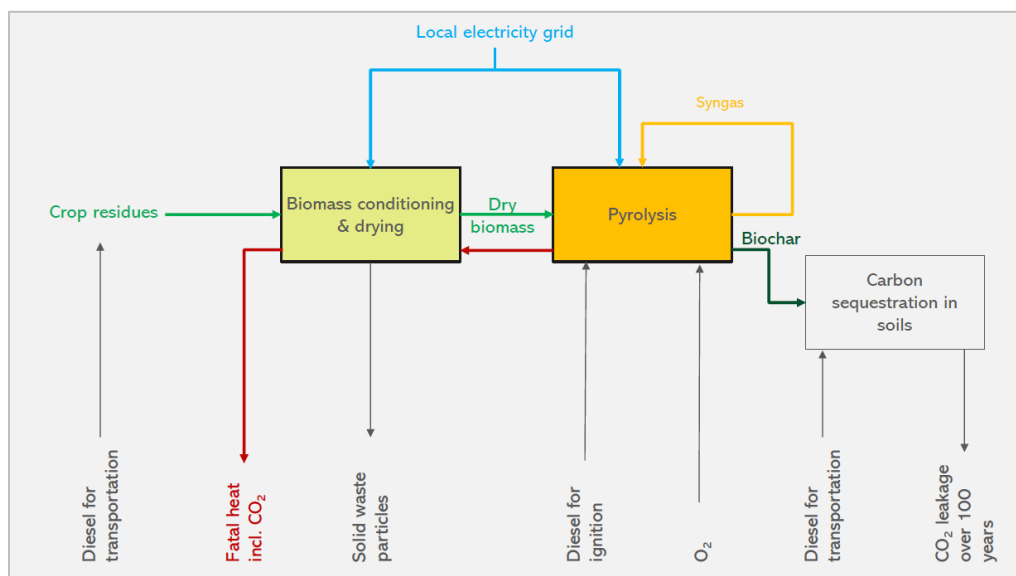


FIGURE 2: NETZERO LAJINHA PFD

2.2 PYROLYSIS



FIGURE 3: LAJINHA'S COFFEE HUSK RESIDUES

The Lajinha facility operates a continuous pyrolysis system designed to convert coffee husk residues into biochar under controlled thermal conditions. The system comprises two horizontal rotating reactors that process biomass sequentially through drying, carbonization, and discharge stages. Feedstock is metered from silos equipped with load cells, enabling accurate and traceable input mass measurement across each production cycle. Reactor temperatures are maintained at approximately 650 °C, consistent with documented operating parameters for achieving stable carbonization and long-term biochar durability.

During carbonization, pyrolysis vapors and syngas are directed through condensers and integrated combustion chambers, where they are oxidized to supply the thermal energy needed for continuous operation. This configuration allows the system to run in an energy-autonomous state once steady-state conditions are reached, significantly limiting diesel consumption and ensuring minimal methane emissions, as evidenced by independent laboratory measurements.

Hot biochar is discharged directly into a submerged quenching tank that rapidly cools the material, prevents re-ignition, and minimizes particulate emissions during handling. The quench system operates as a closed-loop circuit with water recirculation, filtration, and solids removal, all covered under the facility's current environmental permits. The facility's operating license also includes authorization for atmospheric emissions, water use, and on-site waste management. All monitoring data available for this reporting period indicate compliance with applicable permit limits, including those for particulate matter, methane, and other regulated pollutants.



FIGURE 4: BIOCHAR QUENCHING AREA

Following quenching, the biochar is dewatered, transferred to load-cell-equipped storage silos, weighed, and packaged in individually identified bulk bags. The pyrolysis system is supported by continuous temperature monitoring, emissions testing, and documented operating procedures governing start-up, steady-state operation, and shutdown. These procedures form a core part of the site's monitoring and process-safety framework, and provide the operational documentation required under the Puro requirements.

2.3 SAMPLING AND MONITORING

Sampling and monitoring at the Lajinha facility are conducted through routine operational measurements, laboratory analyses, automated data capture, and periodic environmental assessments. Incoming feedstock deliveries are weighed using truck and silo load cells and tested for moisture content to determine dry-mass input prior to processing. Reactor temperatures, feed rates, syngas combustion conditions, and other key parameters are continuously monitored to ensure stable pyrolysis performance.

The facility utilizes centrally managed data-collection and supervisory systems that aggregate sensor readings, material flows, and production metrics from feedstock reception through to final packaging. Recorded data undergo routine validation checks to ensure completeness, accuracy, and reliability. This system maintains digital records of operating hours, production volumes, environmental measurements, and bag-level identifiers, enabling cradle-to-gate traceability in support of output verification.

Biochar produced at the facility is sampled at defined intervals for laboratory analysis of humidity, carbon content, ash, and parameters used to calculate organic carbon and confirm long-term stability. Analysis also includes pollutant screening for metals and organic contaminants, conducted using methods compatible with internationally recognized biochar quality frameworks such as the International Biochar Institute (IBI) [3] and European Biochar Certificate (EBC). All results reviewed for this reporting period meet relevant quality and compliance thresholds.

Environmental monitoring includes scheduled stack emissions testing for regulated pollutants, including particulate matter, NOx, SOx, CO, and volatile compounds, as required under the facility’s environmental permit. Additional measurements of methane and nitrous oxide are conducted to support life-cycle emissions accounting. Continuous CO detectors are installed in operational areas as part of the site’s occupational health and safety systems. All monitoring results reviewed for this audit period were within the limits established under local regulatory requirements.



FIGURE 5: SCALE ON SITE FOR WEIGHING BIOCHAR

2.4 TRANSPORTATION AND STORAGE



FIGURE 6: BIOCHAR STORAGE AREA

NetZero’s LCA accounts for the collection of coffee husk feedstock from contracted farmers and cooperative dehusking facilities across the region. Biomass is collected directly by NetZero using

dedicated trucks equipped with integrated weighing systems. Transport distances, fuel consumption, and delivered mass are documented for each pickup to support emissions accounting and traceability. Upon arrival, feedstock is weighed, recorded, and transferred to covered storage hangars to prevent decomposition and maintain material quality.

After pyrolysis and quenching, biochar is transferred to silos, weighed, sampled, and packaged into labelled bulk bags stored in a covered area until distribution. Bag-level identifiers link each unit to its production batch, laboratory results, and delivery record, ensuring full traceability from feedstock origin to final use.

Outbound distribution follows NetZero's circular delivery model, with biochar allocated to associated farmers within the Matas de Minas region and to selected partners outside the region for business-development purposes. Application within the mountainous Matas de Minas region is conducted manually due to terrain constraints, resulting in no mechanized-application emissions. However, biochar delivered to larger farms outside the region was applied using mechanized equipment, and associated emissions have been accounted for within the LCA.

Transport manifests, storage logs, and material-movement documentation are maintained by the facility and form part of the evidence base supporting verification of mass flows, logistics emissions, and end-use traceability.

2.5 INPUTS AND OUTPUTS

A summary of process inputs and outputs associated with Lajinha's operations are included in Table 2.

TABLE 2 VERIFIED PRODUCTION FACILITY INPUTS & OUTPUTS

Input/Output	Verified Rate	Notes (Specifications, source, etc.)
Coffee Husk Residue input	6694.22 tonnes (wet mass)	Coffee husk residue received from neighboring farmers and Coop. Project boundary includes collection of materials.
Biochar production output	2786.73 tonnes produced	Total biochar production during the reporting period.
Biochar used	1865.35 tonnes used	Biochar used during the reporting period.
Biomass supply inputs (collection, handling, transportation emissions), (E_{biomass})	86.46 kg CO ₂ e/tonne dry biochar used	Includes transportation emissions from the farmers to the biochar facility and back. No emissions are allocated to upstream agricultural management activities, which are not considered part of the baseline scenario.
Production and operation emissions output ($E_{\text{production}}$)	237.78 kg CO ₂ e/tonne dry biochar used	Includes emissions from pyrolysis operations, flue gas handling, drying units, control room energy use, and ancillary systems. Based on measured electricity and diesel consumption data recorded in their data management system.
Product distribution emissions output (E_{use})	181.17 kg CO ₂ e/tonne dry biochar used	Verified based on actual transport distances from production facility to end user.
Biochar remaining in stock	1785.79 tonnes remaining	Biochar remaining at the end of the period.

2.6 CHANGES SINCE LAST OUTPUT AUDIT

- Since the previous Output Audit, NetZero has added concrete flooring to their site. This is captured in their updated LCA under “civil works”.
- The previous Output Audit noted a follow up with respect to the reuse of biochar bags delivered to farmers. NetZero has since confirmed that bag reuse is not operationally feasible, and the project has therefore adopted a single-use assumption for all packaging. The LCA for the current reporting period reflects this approach and records a total of 13319 bags used.

3. AUDIT SUMMARY

3.1 AUDIT APPROACH

A planned series of audit activities were conducted by 350Solutions to independently validate and verify the production facility, its operations, production, and output data, and CORC claims. The audit was conducted following the specifications of Puro General Rules (v3.1) and the Biochar Methodology (2022 v3). Specific audit activities conducted are summarized in Table 3. An audit log of findings is available in Appendix 1 and verifier qualifications are attached to Appendix 2.

TABLE 3 AUDIT ACTIVITIES

Date(s)	Verification Activity	Verification Tasks	Documents Reviewed
December 1, 2025	Document Review – Production Facility Audit	- Review of facility registries and permits - Review of LCA and supporting inputs - Reviews of facility eligibility, additionality, and biomass sustainability - Review of production facility design and operation - Review of MRV - biochar characterization and critical measurements - Review project design - Review of inputs and Outputs	- Company registration with Ministry of Agriculture - NetZero Lajinha.pdf - Environmental License NetZero Lajinha.pdf - Lajinha - Biochar product registration with Ministry of Agriculture.pdf - Lajinha - Environmental and Social Impacts Identification and Mitigation Matrix.pdf - NetZero Lajinha - LCA Report from first Facility+Output audit in 2023.pdf - NetZero Lajinha proof of incorporation.pdf - Biomass supply Lajinha Nov24-Oct25.pdf - Lajinha MP SOX NOX CO Oct25 measurements.pdf - Lajinha CH4 N2O emissions Oct25 measurements.pdf - File Calibration certificates
December 8, 2025	Data Review – Output Audit	- Review of waste biomass sources and sustainability - Review evidence of product output - Review of biochar properties - Review of biochar end use - Review of CORC calculations and supporting data	- Biochar elemental analysis Lajinha Aug25.pdf - Biochar pollutants Lajinha (sample 351171 only) Oct25.pdf - Biochar production Nov24-Oct25 Lajinha.xlsx - Reactor runtime documentation.pdf - Reactor runtime Lajinha Nov24-Oct25.xlsx - File: Biochar invoices (sample) - Biochar mechanized application Lajinha Nov24-Oct25.xlsx - Biochar sales Nov24-Oct25 Lajinha.xlsx - Example of biochar packaging label Lajinha.jpeg - File: Diesel invoices - Biodiesel Lajinha Nov24-Oct25.xlsx - CORC Report Summary - Biochar - Lajinha Nov24-Oct25.xlsx - Diesel Lajinha Nov24-Oct25.xlsx - Disclosure of structural change - Lajinha factory floor.pdf

			- Ethanol Lajinha Nov24-Oct25.xlsx - Gasoline Lajinha Nov24-Oct25.xlsx - Industrial Waste Disposal Lajinha Nov24-Oct25.xlsx - LCA Lajinha Nov24-Oct25.xlsx - Monitoring plan Lajinha.xlsx - Password 4545 - Lajinha electricity Oct25 invoice with 12-month history.pdf - Soil Temperature Data Matas de Minas region.xlsx
December 6-10, 2025	RFI Updates	- Outstanding/ updated documentation review	- File: Health and safety - Biochar production equipment questionnaire Lajinha.xlsx - Biomass types and origins list.xlsx - Electricity meter Lajinha 08Dec25.jpeg - Lajinha quarterly lab analyses MAPA Sep25.pdf - Lajinha water well consumption 2025.xlsx - MSDS biochar Lajinha.pdf - Product registration with MAPA Lajinha.pdf - Puro Platform Agreement.pdf - Sample farmer contract with mention of end use.pdf - Stakeholder Engagement Report Lajinha Oct23.pdf - Stakeholder information panel Lajinha.jpeg - Water meter Lajinha 08Dec25.jpeg - Water well permit Lajinha.pdf - Fire extinguishers Lajinha - Status as of Oct25.pdf - Fire extinguisher example Lajinha.jpeg

3.2 AUDIT APPROACH

Table 4 includes the specific CORCs claimed by NetZero Lajinha facility during the reporting, and the values verified by 350Solutions during the data review.

TABLE 4: VERIFIED CORCS FOR THE LAJINHA FACILITY

Performance Metric Name / Description	Claimed Value ¹	Verified Value	Data Source	Reporting Period
CORC Factor	1.62 tonnes CO ₂ / tonne biochar	1.62 tonnes CO ₂ / tonne biochar	CORC Report Summary - Biochar - Lajinha Nov24-Oct25.xlsx LCA Lajinha Nov24-Oct25.xlsx	November 1, 2024 – October 31, 2025
Biochar Used	1865.35 dry tonnes	1865.35 dry tonnes		
Total CORCs	3022.74 CORCs	3022.74 CORCs ²		

¹ Verified values are based on verification of final production records for the reporting period.

4. AUDIT FINDINGS

4.1 SUMMARY OF AUDIT FINDINGS

350Solutions has reviewed and audited the documentation of the technology, the instrumentation, the procedures, performance and collected data and has found that the data presented in the Puro Audit Package and during the site visit and follow up:

☒ **Meets the requirements of the Puro General Rules V3.1 and the Biochar Methodology V3**

☐ **Meets the requirements of the Puro General Rules V3.1 and the Biochar Methodology V3 with minor modifications**

☐ **Does Not Meet the requirements of the Puro General Rules V3.1 and the Biochar Methodology V3**

A summary of specific findings associated with each requirement of the Puro Standard and Biochar Methodology and any identified issues with the audit are summarized in Table 5 below.

TABLE 5 AUDIT FINDINGS

Puro Standard / Biochar Method Section Ref.	Audit Verification Topic	Findings
1.1.1 5.2.1	Sustainable Feedstock	Acceptable. The facility sources coffee husk residues from regional producers. Feedstock is an agricultural by-product and does not induce land-use change. Documentation of sourcing, collection routes, transport distances, and load-cell measurements was reviewed and found complete.
1.1.2 5.4.2	Biochar Use	Acceptable. Biochar is supplied to contracted farmers and pilot users for soil amendment. Application in the Matas de Minas region is performed manually, resulting in no mechanized application emissions. Mechanized application outside the region is documented and included in LCA calculations.
1.1.3 5.2.2 5.3.3 5.4.1	Net-Negative LCA	Acceptable. LCA documentation demonstrates a net-negative outcome for the reporting period. Data sources include operational measurements, syngas combustion data, transport records, environmental monitoring, and accredited laboratory analyses. Additional emissions were noted under civil works for this reporting period and accounted for accordingly in the LCA.
1.1.4	Prohibition of Fossil Fuel Use for Process Heat	Acceptable. Diesel is used only during system start-up or exceptional interruptions. Pyrolysis gases sustain heat demand once operational temperature (~650°C) is reached.
1.1.5	Negligible Methane Emissions	Acceptable. Methane and nitrous oxide measurements were completed for the period. Results met expected ranges and complied with permit limits.
1.1.6 5.3.4	Biochar Qualities & Molar H:C Ratio < 0.7	Acceptable. Laboratory testing confirms compliance with Puro stability and pollutant-screening requirements. H:Corg values and contaminant analyses meet applicable thresholds.
1.1.7	Safe Environment & Biochar Handling	Acceptable. Required permits for emissions and water use are in place. Biochar is quenched in a closed-loop system reducing ignition and particulate risk. Safety procedures and CO monitoring were verified.
1.2.2	Environmental & Social Safeguards	Acceptable. Environmental documentation, permits, safety protocols, stakeholder processes, and grievance mechanisms were reviewed. No material risks identified.

1.2.3	Demonstrated Additionality	Acceptable. A signed Baseline and Additionality Assessment confirms the project is not mandated by regulation and relies on carbon-credit revenue to maintain operations.
1.2.4 5.3.1 5.3.2	Biochar Quantification	Acceptable. Biochar production is quantified using calibrated load cells and moisture testing. Mass-flow data and dry-mass conversion methods align with methodology requirements.
1.2.5	Verified Production Facility Standing Data	Acceptable. Standing data were complete and supported by documentation.
5.4.3	Soil Temperature Justification	Acceptable. Soil temperature assumptions used in the decay model reflect regional agronomic measurements and meet methodology requirements.
5.5.2	Statement on Double Counting	Acceptable. Traceability controls and contractual restrictions prevent alternative uses. No double-counting risks identified.
5.5.3	Marketing / Branding Restrictions for End-User	Acceptable. Packaging and documentation do not include carbon-removal claims. No marketing risks identified.

Additional details regarding audit activities, documents reviewed, and observations during the audit process are summarized in Appendix 1.

4.2 CRITICAL FINDINGS AND EXCEPTIONS

An assessment of the Output Audit package and associated CORC report noted no critical findings for this reporting period. All findings, primarily associated with missing supporting evidence, have been addressed and closed.

4.3 FORWARD ACTION REQUESTS AND RECOMMENDATIONS

A full list of Output Audit findings is provided in Appendix 1. Section 4.3 outlines the forward action requests (FARs) and recommendations for this reporting period, supporting improvements in future operations and CORC calculations while enabling monitoring of any emerging issues in subsequent Output Audits. A summary of open FARs and opportunities for improvement is presented below for reference in future verifications.

TABLE 6: FARs AND RECOMMENDATIONS

ID No	Type	Finding / Issue	Conclusion / Resolution
3	Recommendation	The sales agreements reviewed during the audit confirm that biochar is designated for use as a soil amendment; however, they do not explicitly prohibit alternative uses that could compromise carbon storage, such as combustion. While the Puro Biochar Methodology requires that long-term storage be ensured through appropriate end-use controls, explicit reference to prohibited uses is not included in the current agreements.	Consider updating sales agreements to include a brief clause prohibiting uses that would negate carbon storage (e.g., burning or energy recovery). Including such language would strengthen end-use controls, reduce ambiguity for farmers, and enhance alignment with Puro's requirement that the supplier ensures the biochar is ultimately used in a manner consistent with durable sequestration.
16	Recommendation	Soil temperature data used in the sequestration calculation are based on measurements collected in 2023. The supplier indicated that these values will not be updated annually but will instead be reviewed once per monitoring period, as no significant regional variation is expected. While this approach meets the current requirement to justify the	It is recommended that the supplier periodically validates the soil temperature input using updated regional datasets or climate records, even if annual re-measurement is not performed. Incorporating an annual mean soil temperature from a recognized climate database, or confirming that the originally selected value remains accurate, would strengthen the robustness of

		selected soil temperature, ongoing validation would improve confidence that the decay-model parameter remains representative over time.	the carbon-storage calculation and align with best-practice LCA parameter management.
23	FAR	During the previous reporting period it was noted by the auditor to quantify fugitive emissions from fire extinguishers. Quantification of fire extinguisher emissions was not undertaken, however evidence was provided that showed the type of fire suppressant used namely ABC dry powder and CO₂. Records of maintenance were also provided, and all were noted to be serviced and in good working order. No discharges were noted during this reporting period.	In the event of a discharge event in the future, NetZero will be required to note the number of extinguishers used, type and account for any fugitive emissions resulting from that discharge event in the LCA for that reporting period.

5. REVISION HISTORY

Version	Date Issued	Noted Changes
Draft Version (v1.0)	December 15, 2025	Initial Draft
Draft Version (v1.2)	December 17, 2025	Post internal quality assurance review, minor edits
Final Version		Edits following review by Puro

6. AUDITOR SIGNATURES

Auditor Information		
VVB	Auditor	350Solutions Project ID No.
350Solutions, Inc.	Kelly Nesbitt (Lead Verifier)	PU2512
350Solutions, Inc.	Steven Qiu (Quality Assurance)	

Signed: Kelly Nesbitt (Lead Verifier)

Steven Qiu (Quality Assurance)



6.1 VALIDATION AND VERIFICATION BODY DETAILS

350Solutions Inc. declares that we are an impartial verifying body, free from any conflicts of interest, capable, and qualified to complete this verification for the current operational period according to the Puro Standard and applicable methodologies. 350Solutions is an accredited inspection & verification body by ANAB under ISO 17020:2012 for completion of ISO 14034:2016 Technology Verifications and was the first accredited entity in North America for ISO 14034:2016. 350Solutions is based out of Raleigh, North Carolina, USA. 350Solutions Technical Lead for the NetZero-002-Lajinha project Output Audit is Kelly Nesbitt. Quality Assurance was provided by Steven Qiu. Complete qualifications are attached to Appendix 2.

Our opinion is provided with a reasonable level of assurance for NetZero's activities at the NetZero-002-Lajinha facility.

Notice: 350Solutions, Inc. declares that we are an impartial auditor, free from any conflicts of interest, capable, and qualified to complete this audit according to the Puro Standard and related Validation and Verification Body Requirements. Verifications and audits conducted by 350Solutions are based on an evaluation of technology performance and CO₂ removal claims via site visit observations and review of data submitted by the audited company. Audits are completed in accordance with rules and methodologies specified by Puro and utilizing the appropriate quality assurance procedures established under the 350Solutions accredited ISO 17020/14034 Quality Management Program, noting that this verification is not a fully compliant ISO 14034:2016 verification. 350Solutions makes no expressed or implied warranties as to the performance of the technology and does not certify that a technology will always operate at the

7. REFERENCES

- [1] Puro.Earth, "Puro Standard General Rules," Version 3.1, [Online]. Available:
<https://puro.earth/document-library>.
- [2] Puro.Earth, " Biochar Methodology," Edition 2022 V3, Feb 2024. [Online]. Available:
<https://puro.earth/methodologies/>.
- [3] IBI Certification Program, [Online]. Available:
<https://biochar-international.org/biochar-standards/>

APPENDIX 1: LOG OF FINDINGS

ID No	Type	Date Issued	Facility	Finding/Issue	Supplier Response	Conclusion/Resolution	Date Resolved
1	Clarify	4-Dec-25	Laj	Please clarify, has the NetZero Production Facility benefited from public support/funding? If yes, please provide a figure and the yrs received.	No	No additional comments	8 Dec, 2025
2	Omission	4-Dec-25	Laj	Please provide a photo of your water meters and electricity meter	Added in folder "_RFI answers"	Laj- documentation provided: Electricity meter Lajinha 08Dec25, Water meter Lajinha 08Dec25	8 Dec, 2025
3	Omission	4-Dec-25	Laj	Please direct me to the section of your sales agreement that speaks to a declaration by the buyer confirming that the biochar will not be burned (I do note that the agreement already indicates that it must be used as a soil amendment.)	We do not explicitly mention "should not be burnt" to avoid giving ideas of other end uses to farmers. However the language is very clear that only one end use is permitted: soil amendment. See also section 3.4 of the contract provided for question 12 of the RFI	Verifier notes supplier's comments and will provide a recommendation accordingly.	10 Dec, 2025
4	Omission	4-Dec-25	Laj	Please provide a copy of the MSDS for the biochar produced and transported to the farmers.	Added in folder "_RFI answers"	Laj- documentation provided: MSDS biochar Lajinha	9 Dec, 2025
5	Omission	4-Dec-25	Laj	Please provide updated SDG documentation / status update on progress with this Puro requirement	Added in folder "_RFI answers" for Brejetuba only, as Lajinha is under Puro Biochar 2022 V2 which does not require such documentation. We do not certify SDGs so the template only has SDG 13 mentioned. Not provided initially as it is not part of the normal scope of an Output audit	Laj- documentation provided: Not required under puro standard v3.	8 Dec, 2025
6	Clarify	5-Dec-25	Laj	Please provide a description of your HMI system for data / records storage	Not sure exactly what you want as information. Below are some elements: - For process control, our HMI system is a proprietary system developed by NetZero. All process sensor data is recorded with a frequency of at least 1 reading per second in a local database. The data is then processed to compress its size and run calculations, such as runtime (as provided in folder "02.	Adequate information provided by supplier. No additional comments.	8 Dec, 2025

					Records of biochar produced"). - For data acquisition upstream and downstream of the core process (e.g., mass, humidity, etc.), see Monitoring Plan in folder "04. Updated LCA calculations & supporting data"		
7	Omission	5-Dec-25	Laj	Please provide a copy of the stakeholder communication for the reporting period. (Consultation register, grievance register etc.	Could you clarify the scope of your question? You want a list of external stakeholder engagement activities? As for grievances, NetZero has an anonymous grievance platform accessible via the ESG section of its website or through the direct link: netzero.green/grievances, which is publicly communicated to the stakeholders through a large billboard outside each plant. Regarding the consultation register, not sure what it refers to. I have also added the Stakeholder Engagement reports in "_RFI answers".	Thanks for the link provided. That answered a lot of my queries. 1. Please provide images of the sign posting at the plants directing stakeholders on how to contact you. Document provided: Stakeholder information panel Brejetuba, Stakeholder information panel Lajinha	9 Dec, 2025
8	Clarify	5-Dec-25	Laj	Water source is a well. Please provide well abstraction permit or explanation why not needed. Please attach water meter reading	Yes. Added in folder "_RFI answers"	Laj- documentation provided: Water well permit Lajinha, Water meter Lajinha 08Dec25	8 Dec, 2025
9	Omission	5-Dec-25	Laj	Copies of Health and safety policy / procedures	Added in folder "_RFI answers". Not provided initially as it is not part of the normal scope of an Output audit	Laj- documentation provided: Health and Safety standards	8 Dec, 2025
10	Omission	5-Dec-25	Laj	Provide a copy of the Puro platform agreement	Added in folder "_RFI answers". Not provided initially as it is not part of the normal scope of an Output audit	Documentation Provided: Puro Platform Agreement	8 Dec, 2025
11	Omission	5-Dec-25	Laj	Provide the Project description document	Already provided. For Lajinha, see "NetZero Lajinha - LCA Report from first Facility+Output audit in 2023.pdf" in folder "_Additional documents provided for context - Beyond output audit scope". For Brejetuba, see "NetZero Brejetuba - LCA Report from first Facility+Output audit in 2024.pdf" in folder "_Additional documents provided for context - Beyond output audit scope"	Documentation Provided: NetZero Lajinha - LCA Report from first Facility+Output audit in 2023	9 Dec, 2025
12	Omission	5-Dec-25	Laj	Provide a copy of a sales agreement with a farmer that states the biochar will be used as a soil amendment	Added in folder "_RFI answers". Note that all invoices also explicitly mention the mandatory end use as soil amendment in the	Documentation provided: Sample farmer contract with mention of end use	8 Dec, 2025

					"Complementary information" section (at the very bottom). Not provided initially as it is not part of the normal scope of an Output audit		
13	Omission	5-Dec-25	Laj	Provide a copy of documentation where you state the Biomass types and origins	Already provided. See folder "01. Records of biomass used" in folder	You have one for Bre. It states your claims that the type is coffee husk and the associated EBC type, geographical region , ref biomass fate etc. (I'm asking for this as it's a "declaration" of the biomass you're using. Document Provided: Biomass types and origins list	9 Dec, 2025
14	Clarify	5-Dec-25	Laj	Do you have an emissions testing results for Laj?	Already provided. See subfolder "Atmospheric emissions" in folder "02. Records of biochar produced"	Documentation provided: Lajinha CH4 N2O emissions Oct25 measurements, Lajinha MP SOX NOX CO Oct25 measurements	8 Dec, 2025
15	Omission	5-Dec-25	Laj	Provide a copy of the Biochar production equipment questionnaire submitted	Can you clarify what this is?	It's a puro document. If i recall I saw one for Bre. Basically it lists the type of equipment in the plant that you are using to create the biochar throughout the process. Document Provided: Biochar production equipment questionnaire Lajinha	9 Dec, 2025
16	Clarify	6-Dec-25	Laj	Soil temp data provided. The soil temp file provided indicates that soil temps were recorded in 2023. Do you plan on updating these using an annual mean soil temp?	We do not plan to update these values on an annual basis but rather once per monitoring period, as no material variations are expected	Verifier notes suppliers comments and will provide a recommendation accordingly.	9 Dec, 2025
18	Clarify	6-Dec-25	Laj	Please provide a copy of the Environmental and social safeguards questionnaire for review	Added in folder "_RFI answers" for Brejetuba only, as Lajinha is under Puro Biochar 2022 V2 which does not require such documentation. Not provided initially as it is not part of the normal scope of an Output audit	Laj- documentation provided: Not required under puro standard v3.	8 Dec, 2025
19	Clarify	9-Dec	Laj	Please clarify, in Laj you are accounting for biochar application emissions and in Brejetuba you do not? Do the farmers in in Bre undertake the application themselves?	The Matas de Minas region is a mountain region where no mechanized application is possible - everything is done manually. In Brejetuba, biochar was sold exclusively to farmers using manual application, hence no emissions. In Lajinha, biochar was partly used for	Adequate information provided by supplier. No additional comments.	9 Dec, 2025

					business development purposes outside of the Matas de Minas region, in larger farms that use mechanization, hence the associated emissions		
20	Clarify	10-Dec	Laj	Traceability of Bags: Bag tracking, has this improved since the previous auditing period. Please provide updates on tracking the % reuse of the bags used to transport the biochar.	No change. We don't manage to have the farmers return the bags so we assume single use	10 Dec, 2025	
22	Omission	11-Dec	Laj	“Brejetuba/Lajinha pollutants lab results” 1. Side by side the submitted documents test results seem to be for Lajinha (the sample ID in the file names match there) but the test results are duplicated for both facilities. 2. As part of the verification review of the “Brejetuba pollutant analysis”, ive identified several parameters that are required under MAPA IN 27/2006 (Annex V) for products registered as soil conditioners, but which were not included in the laboratory report provided. To complete the assessment, could you please confirm whether any of the following analyses have been performed and, if so, provide the corresponding certificates? 1. Missing Heavy Metal Parameters Selenium (Se) Hexavalent chromium (Cr⁶⁺) Note: The report includes total chromium, but MAPA requires specific quantification of Cr⁶⁺. 2. Biological Contaminants (Mandatory for Organic Fertilizer/Soil Conditioner Categories) Thermotolerant coliforms Viable helminth eggs Salmonella sp. 3. Inert Material Fraction Content of glass, plastics, metals (>2 mm)	Response 1. or the lab results, both sites are in the same document, hence the duplicated file. Please have a look at page 1 for Lajinha and page 3 for Brejetuba. Regarding compliance with MAPA criteria, I have included the product registration certificates for both sites in the RFI folder. Response 2. I have added to the RFI folders the lab analyses that MAPA requires on a quarterly basis.	Product registration with MAPA Lajinha All parameters meet threshold requirements for this quarterly reporting period.	11 Dec, 2025

				Stones (>5 mm) These parameters are required for evaluating compliance with MAPA contaminant and product quality limits. The metals tested to date meet acceptable thresholds; however, full compliance cannot be confirmed without the additional parameters noted above. Response 2. Thank you for the MAPA reg cert and clarification on the lab results docs. Following up with point (2) below, There are a few parameters not found within the lab results provided. Do you have additional lab results containing those you can forward? If no, it is my understanding that MAPA requires these parameters to be tested, do you have any exemptions for these that you can share?			
23	Omission	15 Dec	Laj	During the previous reporting period it was noted by the auditor to quantify fugitive emissions from fire extinguishers. Quantification of fire extinguisher emissions was not undertaken, however evidence was provided that showed the type of fire suppressant used namely ABC dry powder and CO2. Records of maintenance were also provided, and all were noted to be serviced and in good working order.	Provided the following documentation: Fire extinguishers Lajinha - Status as of Oct25.pdf	In the even a discharge event occurs in the future, NetZero will be required to note the number of extinguishers used, type and account for any fugitive emissions resulting from that discharge event in the LCA for that reporting period.	16 Dec, 2025

APPENDIX 2: VERIFIER QUALIFICATIONS

Supporting documentation, including verifier resumes, and verifier or corporate accreditations are also included in this Appendix.

Verifier Name:	Kelly Inder-Nesbitt
Company Name (where applicable):	350Solutions
Verifier Contact Information:	kelly@350solutions.com
Verifier Address:	1053 E. Whitaker Mill Rd. Suite 115, Raleigh, NC 27604
Verifier Scope of Activities:	Verification through observation and review of key technology components and documentation.

Verifier Qualifications	Criteria Met?	Evidence / Notes <i>(note how the criteria was met, specific documents - resume/CV, publications, certifications, etc.).</i>
Verifier has relevant technical knowledge of the type of technology being evaluated and carbon removal processes in general		
A) Does Verifier have:		
1. An in-depth technical knowledge of the technology type under verification;		350Solutions is accredited to ISO/IEC 17020:2012 and ISO 14034 Environmental Technology Verification (ETV) as a Type A (third party) Inspection Body (ANAB Certificate Number: AI-2618). The technical scope of 350's accreditation includes verification of performance and environmental impact as it relates to design, materials, equipment, installation and operations of technologies in the categories of Energy, Clean Production and Process, and Air Pollution Monitoring and Abatement. As documented in 350Solutions' ETV Standard Operating Procedure (ETV QPM 350-223-03), and Quality Systems Procedures for verifier qualifications (QSP-350-005-02), 350Solutions conforms to the requirements of ISO 17020 Annex A with respect to verifier qualifications and procedures relevant to the Puro.Earth General Standard.
2. Knowledge of specific risk areas associated with performance of such technologies (i.e. common failure points, performance issues, barriers to scaleup);		
3. Knowledge of the environmental implications related to the use of the technology from a life cycle perspective, such as impact of the technology on lifecycle CO2 emissions and carbon removal;		
4. Knowledge of relevant applicable test methods and standards for evaluating performance or impact of the technology;		
5. Knowledge of relevant calculation, modeling, and statistical methods in order to assess test results and calculations of performance metrics and uncertainty, as applicable;		
6. Knowledge of data quality and data validation approaches, including QA/QC procedures, for example.		350 staff have participated in the evaluation and development of small scale biomass gasification and biofuels technologies. 350 also served as lead verifier for the Carbon XPrize competition and contributed to the development of procedures and processes for verification of relevant calculations, modeling, and statistical methods in order to assess team results and calculations of performance metrics and uncertainty. 350 has demonstrated knowledge of data quality and data validation approaches and execution in supporting verification of performance claims and results.
Verifier is a credible independent 3 rd party		
B) Is Verifier:		
1. third-party body independent of the team registered for the Puro Earth CORCs;		350Solutions is accredited to ISO/IEC 17020:2012 and ISO 14034 ETV as a Type A (third party) Inspection Body. As documented in 350Solutions ETV Policy Manual (ETV QPM 350-200-03), 350Solutions conforms to the requirements of ISO 17020 Annex A with respect to impartiality for Type A inspections, pursuant to ISO 14034 activities. These procedures and quality management programs are generally relevant to verification under the Puro.Earth General Standard. Note that verifications completed for Puro.Earth are not equivalent to ISO 14034 verifications.
2. Not directly involved in the design, manufacture or construction, marketing, installation, use or maintenance of the specific technologies submitted to Puro. Earth for verification or represent the parties engaged in those activities.		
3. Not part of a legal entity that is engaged in design, manufacture, supply, installation, purchase, ownership, use or maintenance of the items inspected.		

Kelly Inder-Nesbitt
Senior Carbon Removal Verification Engineer, 350Solutions Inc

Education:

- Master of Science in Geography, Archaeology, and Environmental Studies, University of the Witwatersrand, 2014
- Bachelor of Science with Honors in Geography, University of the Witwatersrand, 2011
- Bachelor of Arts in Geography and Archaeology, University of the Witwatersrand, 2010

Experience Summary:

At 350Solutions, Kelly specializes in verifying carbon removal projects to ensure compliance with ISO 14034 standards and carbon registry requirements. With over a decade of experience in environmental compliance and carbon management, she brings extensive expertise in operational compliance and MRV framework implementation, enhancing accuracy, transparency and integrity in the voluntary carbon market.

Kelly's career spans multiple sectors, including aquaculture, mining, and carbon removal technology, where she has developed and audited environmental management systems that promote sustainable practices and attract investor finance. At 350Solutions, she leads the validation of diverse carbon removal pathways, including biochar, BECCS, DAC and direct ocean capture and biomass burial. Her responsibilities encompass site audits and rigorous evaluation of MRV systems to ensure scientifically validated project claims.

Previously Kelly led the development of Brilliant Planet's carbon dioxide removal methodology protocol for algal biomass burial and contributed as an author. She was also responsible for developing and implementing an ISO 14001 compliant EHSS Management System for the FirstWave Group, who are aquaculture industry leaders in Southern and Eastern Africa. This system is also aligned with IFC World Bank Best Practices and leveraged software tools to streamline compliance monitoring and enhance ESG reporting for investor and regulatory alignment.

Throughout her career, Kelly has consistently collaborated with project developers, communities, regulators, and clients to enhance the credibility of environmental initiatives through rigorous documentation and alignment with international standards. Her approach emphasizes precise data management and actionable reporting, elevating compliance practices into a strategic, value-adding process that drives sustainable business growth.

Kelly's strong communication skills and commitment to fostering collaboration enable her to manage complex compliance initiatives effectively. Her ability to bridge the gap between technical requirements and stakeholder expectations continues to advance science-driven, impactful solutions in the carbon removal industry.

Steven Qiu

Carbon Removal Verification Engineer, 350Solutions

EDUCATION:

MSc Carbon Management, University of Edinburgh, UK, 2024

BSc Economics, Dalhousie University, Canada, 2018

EXPERIENCE SUMMARY:

At 350 Solutions, Steven's efforts center on validation and verification of varied carbon removal pathways. Steven began his experience in the carbon markets in 2023 providing technical due diligence for Carbon Direct on a BECCS project in Canada. Then, following completion of the MSc Carbon Management program at the University of Edinburgh, he continued finding work with leading CDR and climate organizations. Patch, a CDR marketplace, has contracted Steven as a Carbon Project Diligence Scientist where he provides scientific review services for a wide range of carbon project types. Pembina Institute, a leader in sustainability policy and research in Canada, works with Steven to publish novel research on Canadian carbon removal.

RELEVANT PROFESSIONAL EXPERIENCE:

Oct 2024 – Present: Carbon Removal Verification Engineer, 350Solutions

Verify carbon dioxide removal technologies on behalf of registries and private companies ensuring high quality and meaningful climate impact.

Sept 2024 – Present: Carbon Project Diligence Scientist, Patch

Conduct deep scientific diligence on carbon projects (biochar, IFM, REDD+, ARR, and others) according to Patch's Project Acceptance Criteria to build trust in the integrity of climate solutions.

Nov 2024 – Present: Carbon Removal Expert, Pembina Institute

Research topics relevant to carbon removal policy in Canada.

June 2023 – Present: Scientific Project Reviewer, Carbon Direct