



PURO.EARTH FACILITY AND OUTPUT AUDIT REPORT

Carbofex Oy

Puro Standard General Rules Edition 2022 (Version v2)

Audit Start - End date: 21.3.2023 – 21.3.2023

Project Number: PRJN-484924

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CO₂ sink Sector (Puro Scheme): Biochar

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Attachments:

ATTACHMENT 1 requirements and verification results



Introduction

This report summarises the results and conclusions from the performed facility and output audit. The audit is performed as a formal part of the Puro.earth certification process. The key objective is to determine the compliance of the operations with the Puro requirements.

DNV

DNV is one of the world's leading certification, assurance, and risk management providers.

Whether certifying a company's management system or products, providing training, or assessing supply chains, and digital assets, we enable customers and stakeholders to make critical decisions with confidence.

We are committed to support our customers to transition and realize their long-term strategic goals sustainably, collectively contributing to the UN Sustainable Development Goals.

Production facility standing data

(PURO General rules Biochar methodology)

General information

Facility unique identity	VAT register number 2776845-8
CO2 Removal Supplier registering the Production Facility	GSRN number 643002406801000763
Name	Carbofex Oy
Location	Kaarnakatu 1, Nokia, Finland
Date on which the Production Facility became eligible to receive CORCs	13.3.2023
Volume of Output during the full calendar year prior to registration	Shipped eligible production volume 949 t during 1.9.2022-28.2.2023
Removal Method(s) for which the plant is eligible to receive CORCs	Biochar
Production Facility has benefited from public support	No
Removal Method specific information as may be specified in the relevant Removal Method specific Methodology	Biochar, Pyrolysis process.

Base for calculations in Output report

4.6 Calculation parameters			t
E_{stored}	Ecobio Life Cycle Assessment according to ISO 14040 and Puro.Earth Biochar Methodology 20.3.2023.	Verified using the CORC calculation.	3,427
E_{biomass}	Ecobio Life Cycle Assessment according to ISO 14040 and Puro.Earth Biochar Methodology 20.3.2023.	Verified using the CORC calculation.	0,086
$E_{\text{production}}$	Ecobio Life Cycle Assessment according to ISO 14040 and Puro.Earth Biochar Methodology 20.3.2023.	Verified using the CORC calculation.	0,093
E_{use}	Ecobio Life Cycle Assessment according to ISO 14040 and Puro.Earth Biochar Methodology 20.3.2023.	Verified using the CORC calculation.	0,061733

Short description of facility and any exclusions from verification scope observed

Running pyrolysis process with process control.

Statement of confidentiality

The contents of this report, including any notes and checklists completed during the audit will be treated in strictest confidence, and will not be disclosed to any third party without the written consent of the customer, except as required by the appropriate accreditation authorities.

Disclaimer

An audit is based on verification of a sample of available information. Consequently, there is an element of uncertainty reflected in the audit findings. An absence of nonconformities does not mean that they do not exist in audited and/or other areas. Prior to awarding or renewing certification this report is also subject to an independent DNV internal review which may affect the report content and conclusions.

Audit results

Detailed output removal verified

SUMMARY AND OUTPUT CALCULATION		
Formula: CORCs= E _{stored} -E _{biomass} -E _{production} -E _{use}	1.9.2022-28.2.2023	
E _{stored}	3,427	mt CO2 eq / mt biochar (dry)
E _{biomass}	0,086	mt CO2 eq / mt biochar (dry)
E _{production}	0,093	mt CO2 eq / mt biochar (dry)
E _{use}	0,061733	mt CO2 eq / mt biochar (dry)
CORC FACTOR (net carbon sequestration over 100 years)	3,184	mt CO2 eq / mt biochar (dry)
Total number of CORCs	421,53	CORCs

Positive indications

- Data collection and CORC calculations are systematic.
- File management is systematic.

Recommendations for improvement

- NA.

Audit findings

Detailed findings requiring corrective actions:

NA.

Conclusion

Conclusion	
The company is found compliant towards CORC requirement, and a certificate can be issued	Yes
The company is found NOT to be fully compliant towards CORC requirement and corrective actions are needed before a certificate can be issued	