ClimatePal EU 332 MONITORING REPORT

Version 1.0

ClimatePal by ISCC



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Table of Abbreviations

Abbreviation	Name
BCR	biochar carbon removal
BioCCS	biogenic emissions capture with carbon storage
CB	certification body
CRCF	Carbon Removals and Carbon Farming
CO_2	carbon dioxide
DACCS	direct air carbon capture and storage
EU	European Union
GHG	greenhouse gas
GWP	global warming potential
IED	Industrial Emissions Directive
LCA	life-cycle assessment
MRV	monitoring, reporting and verification
QA/QC	quality assurance / quality control
RED	Renewable Energy Directive

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Purpose and Scope

This operator template records the monitored implementation and results of a permanent carbon removal activity under ClimatePal EU. It is submitted to the certification body in advance of a re-certification audit and, where required, in advance of a monitoring audit. For re-certification, it supports verification of the net carbon removal benefit and compliance with the applicable liability and sustainability criteria; for a monitoring audit, it supports review of stored carbon and any reversal. It is not the certification-body audit report.

Scope covered:

a. Direct air carbon capture and storage (DACCS);
b. Biogenic emissions capture with carbon storage (BioCCS); and
c. Biochar carbon removal (BCR).

Carbon farming and carbon storage in products certification methodologies outside the published permanent-removals methodology are outside this draft. Project design and ex-ante claims belong in the approved activity plan; this report records actual monitoring-period performance, deviations and evidence.

Regulatory Basis and Document Hierarchy

Use the versions applicable to the certification period. Annex E records the controlled references; the Table 1 below gives only the hierarchy needed to complete this report.

Level	Reference	Role in this report
Binding EU framework	Regulation (EU) 2024/3012	CRCF quality criteria, certification, monitoring, liability, registry and unit framework.
Binding implementing rules	Commission Implementing Regulation (EU) 2025/2358	Certification schemes, certification bodies, audits, certificates and registries; minimum formats for activity/monitoring plans and certification-body audit reports.
Binding methodology	Commission Delegated Regulation (EU) 2026/285	Certification methodologies for DACCS, BioCCS and BCR, including monitoring, quantification, uncertainty, liability and sustainability.
Methodology-incorporated rules	Implementing Regulation (EU) 2018/2066; Delegated Regulation (EU) 2020/1044	Measurement, aggregation, QA/QC, records, analysis frequency and 100-year GWP conversion where invoked.
Activity-specific law	Directive 2009/31/EC; RED and sustainability/product law; national/local permits	Storage, biomass, pollution, product, transport and other location-specific obligations.

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Level	Reference	Role in this report
Scheme controls	Recognised ClimatePal EU scheme documents, approved activity plan, monitoring plan, certificate and CB findings	Controlled operational rules and activity-specific commitments.
Laboratory competence	EN ISO/IEC 17025:2017 or permitted equivalence under the applicable legal route	Relevant testing, sampling and calibration evidence; accreditation scope and any permitted equivalence must be documented.
Certification-body conformity assessment	EN ISO/IEC 17065:2012; ISO/IEC 17029:2019; ISO 14065:2020; EN ISO/IEC 17021-1:2015; ISO 19011:2026	Applies at certification-body/accreditation and audit-process level. It does not create a separate operator certification duty.
Supporting project and CCS standards	ISO 14064-2:2019; ISO 14064-3:2019; ISO 27913:2024; ISO 27914:2026; other relevant standards in Annex G	May support data quality, quantification, verification readiness, CO_2 transport and geological storage where adopted by the scheme, operator or contract; EU law and the methodology prevail.

Hierarchy: Binding EU law and the applicable delegated methodology prevail. The recognised ClimatePal EU scheme documents operationalise those rules. This template is a reporting aid and cannot waive a legal, permit, scheme or approved-plan obligation.

Completion and Audit Rules

- Certification periods must not exceed one year for DACCS, BioCCS or BCR.
- Report the full approved boundary, all applicable methodology parameters, gross removals, associated GHG emissions, net benefit, uncertainty and units proposed.
- Convert non-CO_2 GHG with the applicable 100-year GWPs and treat missing or uncertain data conservatively, recording any substitution or correction and its effect.
- Maintain monitoring records for at least 10 years, consistently with Article 67(1) of Implementing Regulation (EU) 2018/2066, and for any longer period required by ClimatePal EU, the CB, permits or applicable law.
- Give ClimatePal Services GmbH, acting through Operational Management, and the certification body access to the sites, personnel, measurements, calculations and records needed to reproduce the report.
- Use one controlled reporting cut-off and reconcile every physical quantity, data extract, calculation, evidence reference and proposed unit amount to that cut-off.
- Report prior-period errors or changes as explicit corrections. Show the original value, corrected value, difference, root cause, affected certificate or unit serials, notifications and proposed registry treatment; do not hide a correction by netting it into current-period performance.

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Reporting quality: Prepare the report so that a competent independent reviewer can reconstruct the monitored claim. Apply relevance, completeness, consistency, accuracy, transparency and conservative treatment. Identify assumptions, exclusions, estimation methods, uncertainty, control failures and corrections.

1. Report Identification and Submission Purpose

Field	Operator entry	Field	Operator entry
Activity name	*[enter]*	**ClimatePal activity ID**	*[enter]*
Operator legal name	*[enter]*	**Registration / VAT no.**	*[enter]*
Registered address	*[enter]*	**Country / jurisdiction**	*[enter]*
Primary contact	*[name, role, email, phone]*	**Authorised signatory**	*[enter]*
Certification body	*[enter]*	**Lead auditor / verifier**	*[if known]*
Methodology	☐ *DACCS* ☐ *BioCCS* ☐ *BCR*	**Applicable annex**	☐ *A* ☐ *B* ☐ *C*
Report purpose	☐ *Re-certification audit* ☐ *Monitoring audit*	**Submission**	☐ *Initial* ☐ *Corrected/resubmitted* ☐ *Event-triggered*
Certification period	*[DD/MM/YYYY–DD/MM/YYYY; ≤1 year]*	**Reporting cut-off**	*[date/time/time zone]*
Activity period	*[start/end; max 15 years DACCS/BioCCS; max 5 years BCR]*	**Monitoring period**	*[start/end / legal endpoint]*
Current certificate ID	*[enter]*	**Previous report ID/version**	*[enter or N/A]*
Other scheme/programme participation	*[None or scheme/activity ID]*	**Change since previous audit**	☐ *No* ☐ *Yes — explain/evidence*
Approved activity plan	*[ID/version/date]*	**Approved monitoring plan**	*[ID/version/date]*
Monitoring plan status	☐ *Final and approved* ☐ *Completion at first re-certification*	**Outstanding item**	*[enter or N/A]*
Calculation package	*[file ID/version/hash]*	**Evidence package**	*[index/location/version]*
Report prepared by	*[name, role, organisation]*	**Independent internal reviewer**	*[name, role, date]*
Registry activity record	*[account / activity ID / URL]*	**Unit vintage proposed**	*[certification period / vintage]*
Prior-period correction included	☐ *No* ☐ *Yes — complete Clause 5.1*	**Affected report / certificate**	*[ID / version / serials / N/A]*

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Reason for submission and requested audit conclusion:

Operator statement
[Describe the report purpose, scope, units requested or monitoring conclusion sought, and any limitation.]

2. Activity Description, Boundary and Value Chain

Provide a concise description consistent with the approved activity plan. Identify every facility and entity that affects quantification, storage, custody or sustainability.

Component / entity	Legal entity and role	Site / coordinates	Permit / authorisation	Boundary and evidence reference
Capture or biochar production facility	*[enter]*	*[enter]*	*[enter]*	*[enter]*
CO_2/biochar transport operator(s)	*[enter]*	*[enter/routes]*	*[enter]*	*[enter]*
CO_2 hub/intermediate storage	*[enter or N/A]*	*[enter]*	*[enter]*	*[enter]*
Geological storage operator/site	*[DACCS/BioCCS]*	*[enter]*	*[Directive 2009/31/EC permit]*	*[enter]*
Biochar application/incorporation party	*[BCR]*	*[geospecific site/product facility]*	*[enter]*	*[enter]*
Laboratory / sampling body	*[enter]*	*[enter]*	*[scope/accreditation]*	*[enter]*

Activity boundary narrative and process-flow reference:

Narrative / controlled diagram reference
[Describe physical and organisational boundaries, inputs, outputs, metering points, transfer points, excluded flows and interfaces. Attach a legible process-flow and meter diagram.]

3. Implementation Status and Changes

Field	Operator entry	Field	Operator entry
Operational status	☐ Operating as approved ☐ Partly operating ☐ Shutdown	***Commissioning / shutdown dates***	*[enter]*
Capacity / throughput	*[approved and actual]*	***Operating hours***	*[enter]*
Material change?	☐ No ☐ Yes	***Plan update notified***	*[date/reference or N/A]*

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Change / deviation	Date and duration	Reason	Effect on removals, emissions, storage or safeguards	Notification / approval / evidence
[enter, or 'None']	*[enter]*	*[enter]*	*[quantify where possible]*	*[enter]*
[additional row]				

Change control: Report changes to the activity or monitoring plan without delay where required. State whether expected removals, associated GHG emissions, sustainability performance, liability or uncertainty changed and identify the approved or pending revised plan.

3.1 Prior-Period Corrections and Restatements

Complete this Clause whenever data, calculations, eligibility, chain-of-custody records or sustainability evidence relating to an earlier report or certification period have changed. A zero-entry statement is acceptable where no correction exists.

Correction ID	Original report / period	Item or parameter	Originally reported	Corrected value	Effect on net benefit / units	Cause and control response	Notification / registry action	Evidence / status
COR-01	*[ID / period or None]*	*[dataset, parameter, batch, incident]*	*[value]*	*[value]*	*[tCO_2e and affected serials]*	*[root cause; preventive action]*	*[Operational Management / CB / authority / date]*	*[E-ID; open/ closed]*
[add row]								

Control question	Operator conclusion / evidence
Were units already certified or issued for the affected amount?	*[No / Yes — identify certificate and serials]*
Does the correction affect eligibility, uncertainty, sustainability, storage or liability?	*[assessment and evidence]*
Is a revised monitoring report, audit conclusion, certificate or registry action required?	*[assessment, owner and status]*
Current-period treatment	*[kept separate / carried forward / excluded; explain and reconcile in Clause 8.1]*

4. Implementation of the Approved Monitoring Plan

Summarise how the approved Monitoring Plan was implemented. Report exceptions and their effect; do not reproduce the plan itself.

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4.1 Monitoring Scope, Governance and Competence

Field	Operator entry	Field	Operator entry
Activity and boundary monitored	*[actual scope]*	Approved Monitoring Plan	*[ID/version/date]*
Plan implemented as approved	☐ Yes ☐ No	Competence procedure	*[procedure ID/version]*

Function	Responsible person/entity	Competence / training evidence	Period responsible	Review / record
Monitoring manager	*[enter]*	*[enter]*	*[dates]*	*[enter]*
Metering, sampling and laboratories	*[enter]*	*[enter]*	*[dates]*	*[enter]*
Calculation and uncertainty	*[enter]*	*[enter]*	*[dates]*	*[enter]*
Custody, storage and sustainability	*[enter]*	*[enter]*	*[dates]*	*[enter]*
Independent internal review	*[enter]*	*[enter]*	*[dates]*	*[enter]*

4.2 Monitoring Completeness, Frequency and Exceptions

Field	Operator entry	Field	Operator entry
Applicable annex completed	☐ A DACCS ☐ B BioCCS ☐ C BCR	All required rows reported	☐ Yes ☐ No
Full source-data period covered	☐ Yes ☐ No	Required frequencies met	☐ Yes ☐ No
N/A entries justified	☐ Yes ☐ No	Time zones / cut-offs reconciled	☐ Yes ☐ No

Exception / missed task	Planned requirement	Actual result	Effect on report	Correction / evidence
[enter, or None]	*[enter]*	*[enter]*	*[quantify/conservative treatment]*	*[enter]*
[add row]				

4.3 Measurement Equipment and Calibration Status

Equip-ment ID	Parameter / location	Make/model/ range	Accuracy class	Calibration/ check performed	Traceability / standard	Next due	Status / evidence
M-01	*[enter]*	*[enter]*	*[enter]*	*[date/result/procedure]*	*[standard/ lab]*	*[date]*	*[valid/ issue; E-ID]*
M-02	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*
M-03	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*
[add rows]							

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Measurement quality: Confirm that measurements followed Article 42 and aggregation followed Article 44 of Implementing Regulation (EU) 2018/2066. Report any overdue or failed calibration, CEMS-specific QA issue, substitution and resulting uncertainty or conservative adjustment.

4.4 Laboratories, Sampling and Analytical Procedures

Lab ID	Laboratory	Parameter / method	Accreditation / equivalence	EN ISO/IEC 17025 scope	Samples / dates	Result status	Evidence
L-01	*[enter]*	*[enter]*	*[accredited/ equivalent]*	*[scope/ reference]*	*[IDs/ dates]*	*[valid/ issue]*	*[E-ID]*
L-02	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*
[add rows]							

Laboratory evidence: Confirm required sampling and analysis frequencies, method, uncertainty, sample custody and any repeated analysis. Where Implementing Regulation (EU) 2018/2066 applies, record EN ISO/IEC 17025 accreditation or the permitted equivalence basis.

4.5 Data Controls, QA/QC, Gaps and Corrections

Dataset / record	Origin	Collection / processing	System of record	Control / review	Evidence
[meter/lab/invoice/ GIS/model]	*[source]*	*[method/formula]*	*[database/file/version]*	*[control]*	*[E-ID]*
[add row]					

Field	Operator entry	Field	Operator entry
Access / version control	*[roles, logs and approvals]*	**Backup / recovery**	*[date/result]*
Archive owner/location	*[enter]*	**Retention**	*[at least 10 years or longer applicable rule]*

Risk / control	Check performed	Finding	Correction	Effect on result / uncertainty	Evidence
Transcription / data transfer	*[enter]*	*[pass/issue]*	*[enter]*	*[enter]*	*[enter]*
Meter / laboratory validity	*[enter]*	*[pass/issue]*	*[enter]*	*[enter]*	*[enter]*
Missing / duplicate data	*[enter]*	*[pass/issue]*	*[enter]*	*[enter]*	*[enter]*
Factor / model / allocation	*[enter]*	*[pass/issue]*	*[enter]*	*[enter]*	*[enter]*

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Parameter / period	Cause	Missing share	Substitution / correction	Conservativeness / uncertainty effect	Approval / evidence
[enter, or None]	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*

4.6 Transfer, Transport and Leakage

Segment / custody point	From / to	Responsible operator	Inlet result	Outlet result	Loss / leakage result and method	Incident / evidence
T-01	*[site A to site B]*	*[entity]*	*[quantity/meter]*	*[quantity/meter]*	*[quantity/ method]*	*[None/ E-ID]*
[add row]						

Field	Operator entry	Field	Operator entry
Continuous systems complete	☐ Yes ☐ No	**Leakage prevention/ detection status**	*[controls, alarms, inspections and findings]*
Leakage/venting incident	☐ None ☐ Yes — quantify	**Escalation and notification**	*[authority/ Operational Management /CB/date/reference]*

4.7 Storage, Permanence and Reversal

Element	Indicator / parameter	Method	Required / actual frequency	Threshold / finding	Response / status	Responsible /evidence
[storage integrity/biochar retention]	*[parameter]*	*[method]*	*[enter]*	*[enter]*	*[enter]*	*[entity/E-ID]*
Reversal / leakage	*[parameter]*	*[method]*	*[enter]*	*[None/quantity]*	*[enter]*	*[entity/E-ID]*
Monitoring endpoint	*[evidence]*	*[method]*	*[trigger]*	*[met/not met]*	*[enter]*	*[entity/E-ID]*

4.8 Material, Batch and Chain of Custody

Tracked item	Unique ID	Quantity / unit	Origin / destination	Segregation / allocation result	Record / reconciliation	Responsible / evidence
[CO_2 stream/ biomass/ biochar batch /product]	*[ID]*	*[enter]*	*[sites/entities]*	*[pass/issue]*	*[record/result]*	*[entity/E-ID]*
[add row]						

4.9 Open Monitoring Plan and Prior Audit Items

At first re-certification, close every Monitoring Plan aspect accepted as non-final. Also report the status of actions or findings carried forward from the previous certification audit.

Type	Reference / requirement	Required action	Due date	Status	Closure evidence / current-period effect
Non-final Monitoring Plan aspect	*[reference or N/A]*	*[enter]*	*[date]*	*[open/closed]*	*[enter]*

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Type	Reference / requirement	Required action	Due date	Status	Closure evidence / current-period effect
Previous CB finding / action	*[ID or N/A]*	*[enter]*	*[date]*	*[open/closed]*	*[enter]*
[add row]					

5. Monitoring Results and Period Comparison

Complete the applicable methodology annex and reconcile the results below. Use N/A for the first certification period or where no approved ex-ante estimate exists.

Metric	Approved / ex-ante value	Previous period	Current period	Change / explanation	Evidence
Gross permanent removal	*[tCO_2e]*	*[tCO_2e /N/A]*	*[tCO_2e]*	*[enter]*	*[enter]*
Associated GHG emissions	*[tCO_2e]*	*[tCO_2e /N/A]*	*[tCO_2e]*	*[enter]*	*[enter]*
Net carbon removal benefit	*[tCO_2e]*	*[tCO_2e /N/A]*	*[tCO_2e]*	*[enter]*	*[enter]*
Units proposed	*[tCO_2e]*	*[tCO_2e /N/A]*	*[tCO_2e]*	*[enter]*	*[enter]*
Combined uncertainty	*[%/N/A]*	*[%/N/A]*	*[%]*	*[enter]*	*[enter]*
Key throughput / production driver	*[value/unit]*	*[value/unit]*	*[value/unit]*	*[enter]*	*[enter]*

Field	Operator entry	Field	Operator entry
Independent calculation review	*[name/date]*	*Controlled calculation file*	*[ID/version/hash]*

6. Quantification and Permanent Carbon Removal Units

Use the regulatory sign convention in the controlled calculation file. For readability, also show gross removals as a positive magnitude and reconcile them to the methodology result.

Line item	Symbol / equation	Result (tCO_2e)	Evidence / worksheet	Auditable explanation
Standardised baseline	$CR_{baseline}$ = 0 tCO_2/year	*[enter]*	*[enter]*	*[enter]*
Gross permanent removal magnitude	$-CR_{total}$ before associated emissions, as applicable	*[enter]*	*[enter]*	*[enter]*
Methodology total removal (signed, including FC where required by the applicable equation)	CR_{total}; Eq. [7] or [8] for DACCS/BioCCS; Eq. [44] for BCR	*[enter]*	*[enter]*	*[enter]*
Associated GHG emissions	$GHG_{associated}$; Eq. [9] or [45]	*[enter]*	*[enter]*	*[enter]*
Net carbon removal benefit	$CR_{baseline} - CR_{total} - GHG_{associated}$	*[enter]*	*[enter]*	*[enter]*
Excluded / ineligible amount	*[identify legal/methodological basis]*	*[enter]*	*[enter]*	*[enter]*

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Line item	Symbol / equation	Result (tCO_2e)	Evidence / worksheet	Auditable explanation
Permanent carbon removal units proposed	After all eligibility, uncertainty and double-counting controls	*[enter]*	*[enter]*	*[enter]*

GHG	Quantity	100-year GWP used	tCO_2e	Source/version
CO_2	*[enter]*	*1*	*[enter]*	*[enter]*
CH_4	*[enter]*	*[enter]*	*[enter]*	*Delegated Regulation (EU) 2020/1044*
N_2O	*[enter]*	*[enter]*	*[enter]*	*Delegated Regulation (EU) 2020/1044*
Other applicable GHG	*[enter]*	*[enter]*	*[enter]*	*[enter]*

6.1 Unit and Registry Reconciliation

The operator reports the amount submitted for certification. Issuance and any correction, cancellation or withdrawal are subject to the certification decision and registry controls.

The conservatism factor F_C shall be applied once only. Where F_C is already incorporated in CR_{total} under the applicable methodology equation, no additional F_C adjustment shall be deducted in this reconciliation.

Reconciliation line	Amount (tCO_2e)	Identifier / period	Treatment	Evidence / explanation
Current-period net carbon removal benefit before uncertainty conservatism	*[enter]*	*[period]*	Input	*[worksheet]*
FC adjustment not already incorporated in CR_{total} (enter 0 where already included)	*[enter]*	*[period]*	Deduction/0 if already included	*[worksheet]*
Excluded or ineligible current-period amount	*[enter]*	*[batch / source / rule]*	Deduction	*[basis]*
Current-period amount eligible for certification	*[enter]*	*[period]*	Subtotal	*[reconciliation]*
Prior-period correction submitted separately	*[enter / 0]*	*[report / certificate / serials]*	Add / deduct / no current-period netting	*[Clause 5.1]*
Reversal, leakage or other cancellation/withdrawal requirement	*[enter / 0]*	*[event / serials]*	Registry action	*[Clause 10 and 12 / incident]*
Carbon-farming sequestration units used where the methodology requires compensation	*[enter / 0]*	*[serials]*	Separate compensation record	*[Clause 10.3]*
Permanent carbon removal units proposed in this submission	*[enter]*	*[vintage]*	Submitted for decision	*[must reconcile]*
Unresolved difference	*[must be 0 or explained]*	*[enter]*	Exception	*[explanation / action]*

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Reconciliation line	Amount (tCO_2e)	Identifier / period	Treatment	Evidence / explanation

No operator issuance: Do not assign serial numbers, mark units as issued or present the reported amount as certified in this template. Record registry identifiers only once they exist and remain consistent with the certification decision.

7. Uncertainty, Conservativeness and Materiality

Field	Operator entry	Field	Operator entry
Combined uncertainty	*[± __ % at 95% confidence]*	**Method / worksheet**	*[IPCC combination method and file reference]*
Conservatism factor F_C	*[enter]*	**Rule applied**	☐ <±2.5%: F_C=1 ☐ 2.5–20%: F_C=100%−uncertainty ☐ >±20%: no units
Sensitivity / dominant drivers	*[enter]*	**Independent review**	[name/date/evidence]

Uncertainty must be combined using the principles in Chapter 6, Clause 3 of the IPCC Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories and assessed at the 95% confidence interval.

Potentially omitted source or capital/input item	High-end estimate over activity period	% of gross removal	2% test and legal basis	Conclusion / treatment
[enter, or 'None']	*[enter]*	*[enter]*	*[enter]*	*[include / permitted exclusion]*
[additional row]				

Materiality: Completeness is the default. The methodology's limited 2% screening applies only to eligible capital/input emissions or an otherwise unlisted source and must be tested conservatively over the activity period. Reassess when actual operation deviates from the activity plan.

8. Storage, Monitoring and Liability

Field	Operator entry	Field	Operator entry
Storage form	☐ Geological ☐ Biochar in soil ☐ Biochar in eligible product	Stored quantity at cut-off	*[tCO_2 or t biochar/tCO_2, as applicable]*
Monitoring-period endpoint	*[legal/methodology endpoint]*	Responsible entity	*[enter]*
Reversal / leakage identified	☐ No ☐ Yes	Quantity and date	*[enter or N/A]*
Corrective measures	*[enter]*	Authority/ Operational Management /CB notified	*[date/reference]*

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Field	Operator entry	Field	Operator entry
Liability remains valid	☐ Yes ☐ No / issue	Evidence	*[enter]*

Monitoring event / control	Date / frequency	Finding	Stored-carbon effect	Corrective action / status	Evidence
[enter]	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*
[additional row]					

a. DACCS/BioCCS: continue monitoring until responsibility for every storage site is transferred to the competent authority under Article 18 of Directive 2009/31/EC; document leakage and corrective measures under the applicable permit and Article 16 framework.
b. BCR applied to soils: monitor until application where directly overseen by the CB, otherwise until one year after the certification period. For eligible products, monitor until incorporation is demonstrated.

9. Sustainability, Safeguards and Financing

9.1 Common Sustainability Minimum

Objective / safeguard	Applicable criteria and evidence	Result / incidents	Status
Climate adaptation	Physical climate-risk assessment and adaptation solutions consistent with Appendix A to Delegated Regulation (EU) 2021/2139	*[enter]*	☐ Conform ☐ Issue ☐ N/A justified
Water and marine resources	Risks, permits, consumption/discharge and mitigation	*[enter]*	☐ Conform ☐ Issue ☐ N/A justified
Circular economy	Material efficiency, durability, waste prevention/management; Article 17(1)(d) of Regulation (EU) 2020/852 and methodology criteria	*[enter]*	☐ Conform ☐ Issue ☐ N/A justified
Pollution prevention/control	Air, water and soil emissions; chemicals; waste; IED compliance where applicable	*[enter]*	☐ Conform ☐ Issue ☐ N/A justified
Biodiversity and ecosystems	Site/feedstock effects, protected areas/species, soil health, land degradation and restoration objectives	*[enter]*	☐ Conform ☐ Issue ☐ N/A justified

9.2 Biomass and Feedstock Disclosure

Feedstock category / code	Origin and supplier	Quantity and unit	% mix	RED / waste-residue evidence	Traceability evidence
[enter, or N/A for DACCS]	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*
[additional row]					

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a. For BioCCS and BCR, demonstrate applicable Article 29 RED sustainability and GHG-saving criteria, recognised certification evidence or equivalent proof, feedstock origin and mix, and any waste/residue exemption.
b. Document controls against high indirect land-use-change risk feedstock and ensure sourcing is compatible with conservation, restoration, soil and biodiversity objectives.
c. Record the additional BioCCS or BCR feedstock safeguards in the applicable annex.

9.3 Public Finance and Carbon-Farming Compensation

Item	Provider / unit ID	Status and date	Amount / quantity	Purpose / period	Evidence
Public financing received	*[enter or None]*	*[enter]*	*[currency/amount]*	*[enter]*	*[enter]*
Public financing applied for	*[enter or None]*	*[enter]*	*[currency/amount]*	*[enter]*	*[enter]*
Carbon-farming sequestration units purchased	*[registry/serials or None]*	*[enter]*	*[tCO_2e]*	*[purpose]*	*[enter]*

10. Incidents, Non-Compliance and Stakeholder Matters

Type	Date / period	Description and significance	Authority / party notified	Corrective action / closure	Evidence
Permit, legal or scheme non-compliance	*[enter or None]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*
Environmental or safety incident	*[enter or None]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*
Complaint / substantiated stakeholder concern	*[enter or None]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*
Fraud, misstatement or data-integrity concern	*[enter or None]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*

11. Evidence and Attachment Register

Evidence ID	Document / dataset	Issuer / owner	Version / date / hash	Period covered	Confidentiality	Report cross-reference
E-001	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[public/confidential]*	*[enter]*
E-002	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[public/confidential]*	*[enter]*
E-003	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[public/confidential]*	*[enter]*

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Evidence ID	Document / dataset	Issuer / owner	Version / date / hash	Period covered	Confidentiality	Report cross-reference
E-004	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[public/confidential]*	*[enter]*
[add rows]						

Confidential evidence must still be made available to Operational Management, the CB and competent authorities under the applicable access and confidentiality rules. Identify any redacted public version separately.

12. Operator Declaration

a. The authorised signatory declares, on behalf of the operator, that:
b. the report and referenced evidence are complete, accurate and not misleading to the best of the operator's knowledge after reasonable inquiry;
c. the monitored activity, calculation boundary, material changes, associated emissions, storage, liability and sustainability matters have been disclosed as required;
d. no permanent carbon removal amount submitted for certification is knowingly double counted, claimed under an incompatible framework, or based on ineligible CO_2/biochar;
e. the operator will retain records, permit access and notify Operational Management and the CB without delay of relevant corrections, prior-period restatements, reversals, leakage, non-compliance, material changes and any matter affecting previously certified or issued units; and
f. the amount stated as 'units proposed' is an operator submission and has not been represented as issued or certified before the applicable audit, certification decision and registry controls are complete; submission of this report does not limit the operator's obligations under EU, national or local law, permits, the approved activity plan or the recognised ClimatePal EU scheme.

Name	Title / authority	Signature	Date	Place
[enter]	[enter]	[sign]	[enter]	[enter]

12.1 Certification Body Administrative Use

Administrative record only. Audit evidence, findings, conclusions, technical review and certification decision shall be documented in the applicable certification-body audit report and decision records.

Field	Certification body entry	Field	Certification body entry
Date received	*[enter]*	**Completeness review**	☐ Complete ☐ Request issued
Audit type	☐ Re-certification ☐ Monitoring	**Audit report ID / version**	*[enter]*
Lead auditor / verifier	*[enter]*	**Technical reviewer**	*[enter]*
Open information request	*[reference / None]*	**Date accepted for audit**	*[enter]*

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Field	Certification body entry	Field	Certification body entry
Certification decision / registry instruction reference	*[reference / pending]*	**Status**	*[pending / completed]*

Annex A. DACCS Monitoring Schedule

A.1. Eligibility and Configuration

Field	Operator entry	Field	Operator entry
Capture-facility operator	*[legal entity; only capture facility may be operator]*	**Capture technology**	*[enter]*
Atmospheric CO_2 capture	*[describe evidence]*	**Associated fossil CO_2**	*[source and treatment]*
CO_2 stream approach	☐ Fully segregated — Eq. [7] ☐ Non-segregated — Eq. [8]	**F_{CRCF}**	*[value and justification]*
Eligible storage	☐ Permitted geological storage	**Storage permit**	*[Directive 2009/31/EC reference]*
Utilisation / other framework fraction	*[quantity / purpose / framework or None]*	**Excluded from CRCF units**	*[quantity]*

A.2. Capture-Facility Parameters

Parameter	Unit	Result	Method / data source	Responsible / frequency	QA/QC and uncertainty	Evidence / comment
$CO_{2captured,total}$	tCO_2	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2OUT,activity,i}$	tCO_2	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2captured,atmobio}$	tCO_2	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2captured,fossil}$	tCO_2	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2captured,fossil,assoc}$	tCO_2	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2fossil,assoc,co-captured}$	tCO_2	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2fossil,assoc,source}$	tCO_2	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2activity}$	tCO_2	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
F_{CRCF}	ratio	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{capture}$	tCO_2e	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{facility}$	tCO_2e	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*

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Parameter	Unit	Result	Method / data source	Responsible / frequency	QA/QC and uncertainty	Evidence / comment
GHG_{inputs}	tCO_2e	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{on\text{-}site}$	tCO_2e	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{elec}	tCO_2e	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{heat}	tCO_2e	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{capital}$	tCO_2e	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{disposal}$	tCO_2e	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{fuel}	appropriate unit	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{fuel}	tCO_2e /unit	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{other}	tCO_2e	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2stored,fossil}$	tCO_2	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{elec}	appropriate unit	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{elec}	tCO_2e /MWh	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{heat}	appropriate unit	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{heat}	tCO_2e /unit	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{input}	appropriate unit	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{input}	tCO_2e /unit	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{materials}$	tCO_2e	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$Q_{materials}$	tonne	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$EF_{materials}$	tCO_2e /tonne material	[enter]	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*

A.3. CO_2 Transport Parameters

Parameter	Unit	Result	Method / data source	Responsible / frequency	QA/QC and uncertainty	Evidence / comment
F_S	%	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*

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Parameter	Unit	Result	Method / data source	Responsible / frequency	QA/QC and uncertainty	Evidence / comment
$CO_{2activity,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2total,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2transport,losses}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2in,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2out,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2fugitive,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2vented,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2leakage,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$EF_{occur,c,S}$	tCO_2e/unit time	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$N_{occur,c,S}$	units/year	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{transport}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{T,S}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{infra,S}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$Q_{fuel,S}$	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{fuel}	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$K_{L,S}$	km	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$EF_{vehicle,loaded}$	tCO_2e/km	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$EF_{vehicle,unloaded}$	tCO_2e/km	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$Q_{stat,f}$	GJ	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$Q_{mob,f}$	GJ	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{elec}	MWh	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_f	tCO_2e/GJ	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{elec}	tCO_2e/MWh	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*

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A.4. Geological Storage Parameters

Parameter	Unit	Result	Method / data source	Responsible / frequency	QA/QC and uncertainty	Evidence / comment
F_S	%	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2activity, injected,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2injected,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2storage, losses}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2vented,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2fugitive,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2IN,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{storage}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{storage\ site}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{inputs}	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{combustion}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{elec}	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{heat}	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{capital}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{fuel}	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{fuel}	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{elec}	MWh	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{elec}	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{heat}	MWh	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{heat}	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{input}	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{input}	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{materials}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*

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Parameter	Unit	Result	Method / data source	Responsible / frequency	QA/QC and uncertainty	Evidence / comment
$Q_{materials}$	tonne	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$EF_{materials}$	tCO_2e/tonne material	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*

A.5. Mass Balance, Storage and Calculation Conclusion

Control point / stream	Opening quantity	Inflows	Outflows	Losses / vents	Closing quantity	Reconciliation and evidence
Capture facility to first transfer point	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*
Transport network / hub	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*
Storage site / injection	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*

Required conclusion	Operator result and evidence
Stream origin and atmospheric fraction confirmed; random C14 access available where required	*[enter]*
Segregation/mass-balance system prevents double counting across sources, schemes, transport and storage	*[enter]*
Storage site permitted and storage operator liability/corrective measures remain effective	*[enter]*
Monitoring continues until transfer of storage responsibility to the competent authority	*[enter]*
CR_{total} Eq. [7] or [8], $GHG_{associated}$ Eq. [9], uncertainty and net benefit reconciled to Core Clause 7-9	*[enter]*

Annex B. BioCCS Monitoring Schedule

Applicability: Complete with the core report only for a biogenic emissions capture with carbon storage activity. Retain transport and storage Clauses even where third parties operate them; the capture facility remains the CRCF operator.

B.1. Eligibility, CO_2 Origin and Configuration

Field	Operator entry	Field	Operator entry
Capture-facility operator	*[legal entity; only capture facility may be operator]*	**Source process**	*[enter]*
Biogenic source / feedstock	*[enter]*	**Biogenic fraction method**	*[ETS monitoring / C14 / other allowed method]*
Mixed fossil/biogenic stream	☐ No ☐ Yes	**Fossil fraction treatment**	*[enter]*

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Field	Operator entry	Field	Operator entry
CO_2 stream approach	☐ Fully segregated — Eq. [7] ☐ Non-segregated — Eq. [8]	**F_{CRCF}**	*[value and justification]*
Eligible storage	☐ Permitted geological storage	**Storage permit**	*[Directive 2009/31/EC reference]*
Utilisation / other framework fraction	*[quantity / purpose / framework or None]*	**Excluded from CRCF units**	*[quantity]*

B.2. Capture-Facility Parameters

Parameter	Unit	Result	Method / data source	Responsible / frequency	QA/QC and uncertainty	Evidence / comment
$CO_{2captured,total}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2OUT,activity,i}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2captured,atmobio}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2captured,fossil}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2captured,fossil,assoc}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2captured,fossil,mixed}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2fossil,assoc,co-captured}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2fossil,assoc,source}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
F_B	%	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2activity}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
F_{CRCF}	ratio	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{capture}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{facility}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{inputs}	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{bio}	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{bio-storage}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{on-site}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{elec}	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{heat}	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*

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Parameter	Unit	Result	Method / data source	Responsible / frequency	QA/QC and uncertainty	Evidence / comment
$GHG_{capital}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{disposal}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$Q_{biomass}$	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$EF_{biomass}$	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$Q_{biomass,total}$	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$Q_{feedstock}$	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$C_{feedstock}$	%	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$T_{storage}$	months	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{fuel}	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{fuel}	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{other}	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2stored,fossil}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{elec}	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{elec}	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{heat}	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{heat}	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{input}	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{input}	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{materials}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$Q_{materials}$	tonne	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$EF_{materials}$	tCO_2e/tonne material	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*

B.3. CO_2 Transport Parameters

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Parameter	Unit	Result	Method / data source	Responsible / frequency	QA/QC and uncertainty	Evidence / comment
F_S	%	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2activity,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2total,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2transport,losses}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2in,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2out,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2fugitive,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2vented,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2leakage,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$EF_{occur,c,S}$	tCO_2e/unit time	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$N_{occur,c,S}$	units/year	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{transport}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{T,S}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{infra,S}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$Q_{fuel,S}$	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{fuel}	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$K_{L,S}$	km	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$EF_{vehicle,loaded}$	tCO_2e/km	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$EF_{vehicle,unloaded}$	tCO_2e/km	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$Q_{stat,f}$	GJ	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$Q_{mob,f}$	GJ	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{elec}	MWh	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_f	tCO_2e/GJ	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*

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Parameter	Unit	Result	Method / data source	Responsible / frequency	QA/QC and uncertainty	Evidence / comment
EF_{elec}	tCO_2e/MWh	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*

B.4. Geological Storage Parameters

Parameter	Unit	Result	Method / data source	Responsible / frequency	QA/QC and uncertainty	Evidence / comment
F_S	%	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2activity,injected,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2injected,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2storage,losses}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2vented,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2fugitive,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2IN,S}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{storage}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{storage\ site}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{inputs}	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{combustion}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{elec}	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{heat}	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{capital}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{fuel}	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{fuel}	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{elec}	MWh	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{elec}	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{heat}	MWh	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*

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Parameter	Unit	Result	Method / data source	Responsible / frequency	QA/QC and uncertainty	Evidence / comment
EF_{heat}	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{input}	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{input}	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{materials}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$Q_{materials}$	tonne	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$EF_{materials}$	tCO_2e/tonne material	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*

B.5. Biomass Sustainability and Additional BioCCS Safeguards

Requirement	Operator demonstration	Evidence / result
Feedstock/feedstock mix disclosed at methodology reporting granularity and traceable to origin	*[enter]*	*[enter]*
Applicable RED Article 29 sustainability and GHG-saving criteria satisfied; recognised scheme/equivalent evidence identified	*[enter]*	*[enter]*
Biomass process's primary purpose is a product other than captured CO_2; no artificial increase in CO_2 per unit of main product	*[enter]*	*[enter]*
New/converted heat or electricity facility is economically viable without carbon-removal revenue/support, where required	*[enter]*	*[enter]*
For other facilities, nameplate capacity has not been increased except to cover capture energy, unless a methodology exception applies	*[enter]*	*[enter]*
For food/feed crop inputs, energy used to operate capture is not derived from the crop input except eligible recovered heat	*[enter]*	*[enter]*
High-ILUC-risk and conservation/restoration sourcing controls applied	*[enter]*	*[enter]*

B.6. Mass Balance, Origin Access, Storage and Calculation Conclusion

Required conclusion	Operator result and evidence
Biogenic origin and fossil fraction are quantified; immediate access for unannounced random C14 testing is available where required	*[enter]*
Segregation/mass-balance system prevents double counting across sources, schemes, transport and storage	*[enter]*
Storage site permitted and storage operator liability/corrective measures remain effective	*[enter]*

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Required conclusion	Operator result and evidence
Monitoring continues until transfer of storage responsibility to the competent authority	*[enter]*
CR_{total} Eq. [7] or [8], $GHG_{associated}$ Eq. [9], uncertainty and net benefit reconciled to Core Clause 7-9	*[enter]*

Annex C. Biochar Carbon Removal Monitoring Schedule

Applicability: Complete with the core report only for a BCR activity. The activity may cover one or more production facilities only where they are operated by the same legal entity and use the same production technology. Batches from different locations remain separate.

C.1. Eligibility and Production Configuration

Field	Operator entry	Field	Operator entry
Operator / legal entity	*[enter]*	**Production technology**	*[enter; common to all included facilities]*
Minimum process temperature	*[actual; must be ≥350°C]*	**Methane control**	*[capture/destruction evidence]*
Coproduct heat	*[use and metering]*	**Mobile-unit exception**	*[justification or N/A]*
Application route	☐ Agricultural/forest soil ☐ Greenhouse soil ☐ Other soil ☐ Cement ☐ Concrete ☐ Asphalt	**Certification period**	*[≤1 year]*
Agricultural/forest cumulative dose	*[t/ha; must not exceed 50 t/ha]*	**Geospecific records**	*[GIS/parcel evidence]*
Soil albedo risk	*[demonstrate no significant risk of offsetting the climate benefit]*	**Other-soil combustion control**	*[mixing and no self-sustained combustion, or N/A]*
Supply-chain mode	☐ Segregated to application/incorporation ☐ Controlled mixing	**Monitoring endpoint**	*[per methodology]*

Facility ID	Legal entity	Location / coordinates	Technology / capacity	Operating period	Permit / evidence
[enter]	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*
[additional row]					

C.2. Batch and Destination Register

Batch ID / facility	Production date	Feedstock / mix	$Q_{biochar}$ (t dm)	C_{org}	H/C_{org}	F_{perm}	Destination / geospecific site or product	Custody evidence
[enter]	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*
[additional row]								

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a. Determine H/C_{org} for each batch. No units may be issued for a batch with H/C_{org} greater than 0.7.
b. Determine C_{org} by laboratory analysis. Exclude non-biogenic material; apply C14 testing where non-biogenic carbon in feedstock may exceed 2% of total feedstock carbon by mass.
c. Keep batches from different production locations separate. Apply methodology mixing and mass-balance rules and prevent double counting until application or incorporation.
d. Where a batch was produced in an earlier certification period but applied or incorporated in this period, record both its removals and associated emissions in this later certification period and reconcile the earlier production records.

C.3. Production Parameters

Parameter	Unit	Result	Method / data source	Responsible / frequency	QA/QC and uncertainty	Evidence / comment
$GHG_{biochar}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
F_{alloc}	%	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{facility}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{inputs}	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$E_{biochar}$	MJ/kg biochar produced	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$E_{co\text{-}products}$	MJ/kg biochar produced	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{bio}	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{bio\text{-}storage}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{combustion}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CH_{4release}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{elec}	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{heat}	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{capital}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{disposal}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$Q_{biomass}$	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$EF_{biomass}$	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$Q_{feedstock}$	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*

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Parameter	Unit	Result	Method / data source	Responsible / frequency	QA/QC and uncertainty	Evidence / comment
$C_{feedstock}$	%	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$T_{storage}$	months	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{fuel}	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{fuel}	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$CO_{2stored,fossil}$	tCO_2	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{elec}	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{elec}	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{heat}	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{heat}	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{input}	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{input}	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{materials}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$Q_{materials}$	tonne	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$EF_{materials}$	tCO_2e/tonne material	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*

C.4. Methane Measurement and Follow-Up

Production unit	Measurement date	Interval / certification-period position	g CH_4/kg biochar	tCO_2e result	Trace / consistency conclusion	Evidence
[enter]	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[E-ID]*
[second measurement]	*[enter]*	*[at least one-third-period interval in first certification period]*	*[enter]*	*[enter]*	*[enter]*	*[E-ID]*
[additional measurement]	*[if required]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[E-ID]*

a. For each production unit in its first certification period, report at least two measurements separated by at least one-third of that certification period.
b. Results are consistent where both are trace-level (less than 1% of CR_{total} if continued for the full period, in tCO_2e using GWP100) or the higher result is no more than 40% above the lower result.

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c. If results are inconsistent, report additional measurements until a reliable average is established. If emissions exceed trace level, attach the methane-reduction plan and report remeasurement in the subsequent certification period. Trace-level results may represent the unit for five years before remeasurement.

C.5. Biochar Transport Parameters

Parameter	Unit	Result	Method / data source	Responsible / frequency	QA/QC and uncertainty	Evidence / comment
$GHG_{transport}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{fuel}	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{fuel}	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
K_L	km	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$EF_{vehicle,loaded}$	tCO_2e/km	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$EF_{vehicle,unloaded}$	tCO_2e/km	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*

C.6. Application/Incorporation Parameters

Parameter	Unit	Result	Method / data source	Responsible / frequency	QA/QC and uncertainty	Evidence / comment
$Q_{biochar}$	tonne	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
C_{org}	%	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
F_{perm}	%	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
FR_o>2%	%	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
H/C_{org}	dimensionless	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{use}	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
F_S	%	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{biochar\ site,S}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
$GHG_{combustion}$	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{elec}	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
GHG_{heat}	tCO_2e	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*

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Parameter	Unit	Result	Method / data source	Responsible / frequency	QA/QC and uncertainty	Evidence / comment
Q_{fuel}	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{fuel}	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{elec}	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{elec}	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
Q_{heat}	appropriate unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*
EF_{heat}	tCO_2e/unit	*[enter]*	*[method / data source]*	*[responsible / frequency]*	*[QA/QC; uncertainty]*	*[evidence ID / comment]*

C.7. Chain of Custody, Application and Incorporation

Transfer / event	Batch / quantity	Date/time	From / to	Location / parcel / product lot	Mass-balance reconciliation	Evidence
Production release	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*
Transport / intermediate custody	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*
Application / incorporation	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*	*[enter]*

Required conclusion	Operator result and evidence
Supply chain remained segregated, or mixing/mass-balance rules were correctly applied, until application/incorporation	*[enter]*
Application directly overseen by CB, or monitoring continued until one year after the certification period; product incorporation demonstrated	*[enter]*
Access for soil testing is secured where application is not directly overseen	*[enter]*
Only eligible soil applications or cement/concrete/asphalt product incorporation claimed	*[enter]*
CR_{total} Eq. [44], $GHG_{associated}$ Eq. [45], uncertainty and net benefit reconciled to Core Clause 8 and 9	*[enter]*

C.8. Biochar Sustainability and Feedstock Safeguards

Requirement	Operator demonstration	Evidence / result
Applicable RED Article 29 sustainability and GHG-saving criteria, waste/residue status and feedstock traceability satisfied	*[enter]*	*[enter]*

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Requirement	Operator demonstration	Evidence / result
Where biochar represents ≥50% of total energy outputs in coproducts, only waste/residual feedstocks are used	*[enter]*	*[enter]*
High-ILUC-risk and conservation/restoration sourcing controls applied	*[enter]*	*[enter]*
Non-biogenic co-processed char is not applied to agricultural or forest soils	*[enter]*	*[enter]*
Applicable national/local soil, waste, fertiliser, product and pollution limits met	*[enter]*	*[enter]*

C.9. Laboratory Testing and Contaminant Limits

Test each batch unless a reduced testing regime is justified under the methodology using documented risk and historical evidence. Sampling for agricultural/forest soil use must at least be consistent with the applicable Regulation (EU) 2019/1009 approach. Apply any stricter national/local limit.

C.9.1. Agricultural and Forest Soil Application

Substance	EU methodology maximum	Basis	Batch result / lab report	Pass / fail / stricter local limit
Lead	120	g/t dry matter	*[enter]*	*[enter]*
Cadmium	1.5	g/t dry matter	*[enter]*	*[enter]*
Copper	100	g/t dry matter	*[enter]*	*[enter]*
Nickel	50	g/t dry matter	*[enter]*	*[enter]*
Mercury	1	g/t dry matter	*[enter]*	*[enter]*
Zinc	400	g/t dry matter	*[enter]*	*[enter]*
Chromium	90	g/t dry matter	*[enter]*	*[enter]*
Arsenic	13	g/t dry matter	*[enter]*	*[enter]*
Benzo[e]pyrene	1	g/t dry matter	*[enter]*	*[enter]*
Benzo[j]fluoranthene	1	g/t dry matter	*[enter]*	*[enter]*
PCB	0.2	g/t dry matter	*[enter]*	*[enter]*
PCDD/F	0.000020	g TE/t dry matter	*[enter]*	*[enter]*
PAH16	6	g/t dry matter	*[enter]*	*[enter]*
PAH8	1	g/t dry matter	*[enter]*	*[enter]*

C.9.2. Matrix Application, Including the Livestock-Feed Route

a. A mixture must use component materials and a Product Function Category complying with the relevant requirements of Regulation (EU) 2019/1009; permitted examples include manure, compost, liquid fertiliser, anaerobic digestate and other substrates.
b. The additional numeric limits below apply where biochar is used as a livestock feed additive and subsequently applied in manure.
c. Only pure plant biomass may be used; comply with Regulation (EC) No 183/2005.
d. H/C_{org} must not exceed 0.4. Limits below are expressed on an 88% dry-matter basis.
e. All resulting manure must be applied to soil, and matrices/component materials must comply with Regulation (EU) 2019/1009 where applicable.

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Substance	EU methodology maximum	Basis	Batch result / lab report	Pass / fail / stricter local limit
Lead	10	g/t (88% dm)	*[enter]*	*[enter]*
Cadmium	0.8	g/t (88% dm)	*[enter]*	*[enter]*
Mercury	0.1	g/t (88% dm)	*[enter]*	*[enter]*
Arsenic	2	g/t (88% dm)	*[enter]*	*[enter]*
PCDD/F	0.00000075	g TE/t (88% dm)	*[enter]*	*[enter]*
PCDD/F + dioxin-like PCB	0.00000125	g TE/t (88% dm)	*[enter]*	*[enter]*
Sum of six DIN PCB	0.00001	g/t (88% dm)	*[enter]*	*[enter]*
Fluorine	150	g/t (88% dm)	*[enter]*	*[enter]*

C.9.3. Eligible Products and other Soils

Substance	EU methodology maximum	Basis	Batch result / lab report	Pass / fail / stricter local limit
PAH8	4	g/t dry matter	*[enter]*	*[enter]*
Benzo[e]pyrene	1	g/t dry matter	*[enter]*	*[enter]*
Benzo[j]fluoranthene	1	g/t dry matter	*[enter]*	*[enter]*
PCB	0.2	g/t dry matter	*[enter]*	*[enter]*
PCDD/F	0.000020	g TE/t dry matter	*[enter]*	*[enter]*

C.10. BCR Calculation Conclusion

Line item	Formula / requirement	Result	Evidence
Total removal	$CR_{total} = -3.664 \times F_{perm} \times C_{org} \times Q_{biochar}$ [44]	*[tCO_2]*	*[worksheet]*
Associated emissions	$GHG_{associated} = GHG_{biochar} + GHG_{transport} + GHG_{use}$ [45]	*[tCO_2e]*	*[worksheet]*
Uncertainty	95% confidence; FC rule in Clause 2.3.6	*[±%; FC]*	*[worksheet]*
Net carbon removal benefit	$CR_{baseline} - CR_{total} - GHG_{associated}$	*[tCO_2e]*	*[worksheet]*
Units proposed	After batch eligibility, lab, chain-of-custody and double-counting controls	*[tCO_2e]*	*[reconciliation]*

Annex D. Submission Completeness Checklist

No.	Completeness check	Yes / No / N/A	Evidence / comment
1	Core report and exactly one applicable methodology annex completed	*[enter]*	*[enter]*
2	Report purpose, certification period (≤1 year), activity period and monitoring period stated	*[enter]*	*[enter]*
3	Approved activity and monitoring plan versions identified; all changes/deviations disclosed	*[enter]*	*[enter]*

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No.	Completeness check	Yes / No / N/A	Evidence / comment
4	Monitoring Plan implementation, responsible personnel, frequency exceptions and initially non-final aspects reported	*[enter]*	*[enter]*
5	Previous certification-audit findings/actions addressed and closure evidence identified	*[enter]*	*[enter]*
6	All facilities, entities, permits, transfer points and geographic locations identified	*[enter]*	*[enter]*
7	All applicable methodology parameter rows completed with values, evidence and uncertainty	*[enter]*	*[enter]*
8	Current results compared with approved/ex-ante and previous-period values, with material changes explained	*[enter]*	*[enter]*
9	Gross removal, associated GHG emissions, non-CO_2 GWP conversion, F_C, net benefit and units proposed reconciled	*[enter]*	*[enter]*
10	Data gaps, corrections, QA/QC, materiality tests and excluded sources documented	*[enter]*	*[enter]*
11	Storage, liability, monitoring events, leakage/reversal and corrective measures documented	*[enter]*	*[enter]*
12	Feedstock/feedstock mix, carbon-farming units and public financing disclosed	*[enter]*	*[enter]*
13	Sustainability, laboratory, sampling, calibration and method-specific evidence attached	*[enter]*	*[enter]*
14	For BCR, laboratory limits and methane-measurement/follow-up requirements are reported	*[enter]*	*[enter]*
15	Mass-balance and chain-of-custody records reconcile to removals claimed	*[enter]*	*[enter]*
16	Evidence register complete, attachments versioned and confidential items identified	*[enter]*	*[enter]*
17	Independent internal review complete; authorised declaration signed	*[enter]*	*[enter]*
18	Any prior-period correction is separately quantified, linked to affected reports/certificates/serials and reconciled in Clauses 5.1 and 8.1.	*[enter]*	*[enter]*
19	Current-period eligible amount, uncertainty adjustment, exclusions, reversals/cancellations and units proposed reconcile with no unexplained difference.	*[enter]*	*[enter]*
20	The report is clearly identified as operator-reported and is not presented as the certification-body audit report or as evidence that units have already been issued.	*[enter]*	*[enter]*

Annex E. Legal, ISO and Technical Reference Register

Record the exact versions used for the certification period. This register supports controlled updating and does not reproduce or override the source text.

Reference	Version / date used	Official source / controlled copy	Relevant report Clauses	Change assessed?
Regulation (EU) 2024/3012	*[enter]*	*[enter]*	Core	*[enter]*

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Reference	Version / date used	Official source / controlled copy	Relevant report Clauses	Change assessed?
Implementing Regulation (EU) 2025/2358	*[enter]*	*[enter]*	Core	*[enter]*
Delegated Regulation (EU) 2026/285	*[enter]*	*[enter]*	Core; Annex A/B/C	*[enter]*
Implementing Regulation (EU) 2018/2066	*[enter]*	*[enter]*	Monitoring/QA/QC	*[enter]*
Delegated Regulation (EU) 2020/1044	*[enter]*	*[enter]*	GHG conversion	*[enter]*
Directive 2009/31/EC	*[enter]*	*[enter]*	Annex A/B	*[enter]*
RED and sustainability legislation	*[enter]*	*[enter]*	Core; Annex B/C	*[enter]*
Applicable national/local law and permits	*[enter]*	*[enter]*	All	*[enter]*
Recognised ClimatePal EU scheme documents	*[enter]*	*[enter]*	All	*[enter]*
EN ISO/IEC 17025 or permitted laboratory equivalence	*[enter]*	*[enter]*	Laboratory evidence	*[enter]*
Applicable CB accreditation / verification standards	*[enter]*	*[enter]*	Scheme / CB	*[enter]*
Activity plan / monitoring plan / prior findings	*[enter]*	*[enter]*	All	*[enter]*
ISO 14064-2:2019	*[enter]*	*[controlled copy / applicability decision]*	Quantification, monitoring and reporting QA	*[enter]*
ISO 14064-3:2019	*[enter]*	*[controlled copy / applicability decision]*	Verification readiness / CB layer	*[enter]*
ISO/IEC 17029:2019 and ISO 14065:2020	*[enter]*	*[CB controlled copy]*	Certification-body verification layer	*[enter]*
EN ISO/IEC 17065:2012	*[enter]*	*[CB controlled copy]*	Certification-body accreditation layer	*[enter]*
EN ISO/IEC 17021-1:2015 and ISO 19011:2026	*[enter]*	*[CB controlled copy]*	Audit-team and audit-process layer	*[enter]*
ISO 27913:2024	*[enter]*	*[controlled copy / applicability decision]*	CO_2 pipeline transport, where applicable	*[enter]*
ISO 27914:2026	*[enter]*	*[controlled copy / applicability decision]*	Geological storage, where applicable	*[enter]*

Annex F. Regulatory Mapping

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This mapping identifies the principal legal basis for the report structure. It is an implementation aid and does not reproduce or replace the source text. The exact version applicable to the certification period shall be recorded in Annex E.

Requirement source	Principal monitoring-report requirement	Template Clause	Evidence / implementation note
Regulation (EU) 2024/3012, Articles 4–7	Quantification, additionality, long-term storage and liability, and sustainability quality criteria.	Clauses 8–12; Annex A/B/C	Report monitored performance against the approved activity and applicable methodology.
Regulation (EU) 2024/3012, Article 9(3)–(4)	Re-certification confirms continued compliance and verifies the generated net benefit; operator supports the audit and provides access to relevant information and sites.	Clauses 3–15	Provide complete, reproducible records and access.
Implementing Regulation (EU) 2025/2358, Article 11(1)	Relevant monitoring reports are provided to the certification body before re-certification or monitoring audits.	Clauses 1, 3 and 4	Identify the audit purpose and submission status.
Implementing Regulation (EU) 2025/2358, Article 11(2)	For re-certification, report calculation of the net benefit and relevant liability and sustainability compliance.	Clauses 7–12; Annex A/B/C	Complete the full core report and one methodology annex.
Implementing Regulation (EU) 2025/2358, Article 11(3)	For monitoring audits, report monitoring of stored carbon and every reversal.	Clauses 6.7, 10 and 12	Quantify and evidence storage status, leakage or reversal.
Delegated Regulation (EU) 2026/285, Annex, Clause 1.3.3	Before each re-certification audit, report net benefit, gross removal, associated GHG and all required quantification and compliance information.	Clauses 3, 7–12; Annex A/B/C	Use methodology parameters, equations, units, periods and sign convention.
Delegated Regulation (EU) 2026/285, Annex, Clause 1.3.2	Implement the approved Monitoring Plan, including responsibilities, competence, measurement, calibration, laboratories, QA/QC and records.	Clause 6; Annex A/B/C	Report actual implementation and every exception.
Delegated Regulation (EU) 2026/285, quantification Clauses for DACCS/BioCCS/BCR	Apply the method-specific sink/source inventory, baseline, total-removal, associated-emission, materiality and uncertainty rules.	Clauses 8–10; Annex A/B/C	Controlled calculation package remains supporting evidence.
Delegated Regulation (EU) 2026/285, long-term storage/liability and sustainability Clauses	Demonstrate continuing compliance with storage, liability, minimum sustainability and method-specific safeguards.	Clauses 10–12; Annex A/B/C	Identify permits, events, corrective actions, feedstock and laboratory evidence.
Implementing Regulation (EU) 2018/2066, where incorporated	Measurement, aggregation, analysis frequency, quality assurance and record controls invoked by the permanent-removals methodology.	Clauses 6.3–6.5; Annex A/B/C	Record the incorporated requirement and exact evidence.

Annex G. ISO and Technical-Standard Applicability

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Application principle. A standard is mandatory only where binding law, the applicable CRCF methodology, the recognised ClimatePal EU scheme, accreditation conditions, a permit or a contract makes it applicable. Certification-body and accreditation standards do not automatically create a separate operator certification obligation. Current editions shall be checked at the date of use.

Standard	Relevance to the Monitoring Report	Status / treatment in this template
EN ISO/IEC 17025:2017	Competence, impartiality and consistent operation of testing and calibration laboratories; accreditation scope is relevant to required sampling, analysis and calibration evidence.	Mandatory where the legal/methodological route requires accredited laboratories or a permitted equivalence demonstration. Record scope, method and equivalence basis in Clauses 6.3–6.4 and Annex C.
ISO 14064-2:2019	Project-level principles and requirements for GHG quantification, monitoring, reporting, data quality, uncertainty and documentation.	Useful voluntary operator QA reference. It does not replace the CRCF methodology and becomes binding only if adopted by scheme, contract or another applicable rule.
ISO 14064-3:2019	Principles and process for validation and verification of GHG statements; useful for preparing evidence that can be independently verified.	Verification-readiness and certification-body reference. Not a stand-alone operator certification requirement unless adopted.
ISO/IEC 17029:2019	General competence, consistent-operation and impartiality requirements for validation and verification bodies.	Certification-body layer under Implementing Regulation (EU) 2025/2358 for verification activities; not an operator management-system duty.
ISO 14065:2020	Sector application of ISO/IEC 17029 for bodies validating and verifying environmental information.	Certification-body verification layer; programme requirements are additional.
EN ISO/IEC 17065:2012	Requirements for bodies certifying products, processes and services.	Certification-body accreditation basis under Implementing Regulation (EU) 2025/2358. The 2012 edition remained current at the legal cut-off; a replacement was under development.
EN ISO/IEC 17021-1:2015	General competence and process requirements for bodies auditing and certifying management systems; referenced by the CRCF implementing rules for relevant audit-team arrangements.	Certification-body/audit-team layer only. Do not require operator certification to this standard.
ISO 19011:2026	Guidance on audit principles, audit-programme management, audit conduct and auditor competence.	Current audit guidance at the legal cut-off. Supporting rather than an independent CRCF operator requirement.
ISO 14066:2023	Competence requirements for teams validating and verifying GHG information.	Useful supplementary competence reference for certification bodies and technical experts where adopted.
ISO 14016:2020	Guidance on assurance of environmental reports.	Optional support for report design, evidence traceability and assurance readiness. CRCF rules prevail.
ISO 14064-5:2026	Guidance on remote techniques used in GHG validation and verification.	Optional certification-body guidance where remote methods are used and permitted; it does not remove on-site access or evidence requirements.
ISO 27913:2024	Technical requirements for CO_2 pipeline transportation systems.	Optional technical support for DACCS/BioCCS transport segments; applicable law, permits and the CRCF methodology prevail.

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Standard	Relevance to the Monitoring Report	Status / treatment in this template
ISO 27914:2026	Technical requirements and guidance for geological CO_2 storage.	Optional technical support for DACCS/BioCCS storage evidence; it does not replace Directive 2009/31/EC, permits or the CRCF methodology.

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