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wald-klimastandard

## Verification report

# Nonnenheide Zertifizierung

<b>Project:</b>	Nonnenheide Klimaoptimiertes Forstbetriebsmanagement
<b>Project ID:</b>	DE00208
<b>Region:</b>	Hoher Fläming
<b>Crediting period:</b>	30 Jahre (2024 - 2054)

### Description

The Project Nonnenheide–Climate-Optimized Forest Management in Brandenburg enhances the forest’s carbon sink capacity through climate-adapted silviculture. By developing resilient mixed forests, maintaining stable carbon stocks, and diversifying tree species according to site conditions, the project improves the climate balance compared to the baseline scenario and generates additional, verifiable emission reductions as well as co-benefits.



**Project manager**  
Forstbetrieb Nonnenheide

**Auditor**  
TÜV Rheinland Energy & Environment  
GmbH

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## Summary

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This document contains the documentation of the project **Nonnenheide Zertifizierung**, together with the audit report of the auditor **TÜV Rheinland Energy & Environment GmbH** against the requirements of the Forest Climate Standard in version **1.3**.

<b>Project title</b>	Nonnenheide Klimaoptimiertes Forstbetriebsmanagement	
<b>Project manager</b>	Forstbetrieb Nonnenheide Carmerstr. 9 10623 Berlin	
<b>Contact person</b>	Johanna von Rigal johannavonrigal@mac.com +49 (0)179 2268406	
<b>Certification name</b>	Nonnenheide Zertifizierung	
<b>Method</b>	Methode: 03 Klimaoptimiertes Forstbetriebsmanagement	
<b>Certification type</b>	Initial certification	
<b>Standard ( Version )</b>	Forest Climate Standard (1.3)	
<b>Number of sites</b>	200	
<b>Area</b>	596,4 ha	Ø 3 ha
<b>Crediting period</b>	30	01.09.2024 - 31.08.2054
<b>Inventory establishment period</b>	10 years	
<b>Verified additional GHG balance</b>	2.014 Climate performance [tCO <sub>e</sub> ]	
<b>Marketable climate certificates</b>	1.676 Buffer and any fees already deducted	

## Verification #1 | 09/24 - 08/25

The calculated co2Storage is **2.014t** and the reference-period is **09/24** to **08/25**.

### Reported usage quantities

Regular and calamity-related harvests on the project area during the reference period are listed. Calamity-related harvests are listed insofar as they are documented as such.

Tree species group	Harvest rate (EFm/Year)		
	Regular	Calamity	Total
Oak	0	0	0
Beech	0	0	0
ALH	0	0	0
ALN	0	0	0
Spruce	0	0	0
Douglas fir	12	0	12
Pine	3.847	0	3.847
Larch	2	0	2

## Net increment in the project

The net increment in the reference period is derived from the reported harvest quantity and the increment established during the initial certification.

	Harvest rate (EFm/Year)	EFm -> VFm	Harvest rate (VFm/Year)	Increment (VFm/Year)	Net increment (VFm/Year)
Oak	0	1,35	0	286	286
Beech	0	1,18	0	45	45
ALH	0	1,49	0	24	24
ALN	0	1,40	0	26	26
Spruce	0	1,25	0	7	7
Douglas fir	12	1,32	16	273	257
Pine	3.847	1,31	5.043	4.524	-519
Larch	2	1,43	3	115	112
<b>Total</b>	3.861		5.062	5.299	237
<b>Average (/ha/Year)</b>	6,47		8,49	8,89	0,4

## GHG balance of the baseline scenario

GHG accounting is based on the net increments in the project and baseline scenarios. The difference is defined as additional stock and corresponds to the additionally accumulated tree biomass.

	Net increment		Additional stock		
	Project scenario [VFm]	Baseline scenario [VFm]	Additional stock [VFm]	KE factor	GHG balance [tCO <sub>2</sub> e]
	g	h	i = g - h	j	k = i * j * (44/12)
Oak	286	-75	361	0,38	502
Beech	45	23	21	0,38	30
ALH	24	20	5	0,45	8
ALN	26	-16	42	0,30	46
Spruce	7	-2	8	0,32	10
Douglas fir	257	136	121	0,35	156
Pine	-519	-1.614	1.094	0,29	1.164
Larch	112	-63	175	0,32	205
<b>Total</b>	237	-1.590	1.827		2.120
<b>Average (/ha/Year)</b>	0,40	-2,67	3,06		3,56

<b>Additional stock</b>	[tCO <sub>2</sub> ]	k	<b>2.120</b>
<b>Leakage ( 5%)</b>	[tCO <sub>2</sub> ]	l	<b>106</b>
<b>Expected GHG balance</b>	[tCO <sub>2</sub> ]	m = k - l	<b>2.014</b>

## Certificate issuance

The issuance of ex-post eva certificates corresponds to the verified GHG balance of the project. The avoidance share results from the prevented stock reduction according to the baseline scenario (PDD).

Certificates		Count	Share
<b>Total</b>	m	2.014	100%
<b>Buffer</b>	$p = m * 17\%$	338	17%
<b>Operator</b>	$q = m - p$	1.676	83%
<b>Avoidance</b>	n	1.590	79%
<b>Removal</b>	$o = m - n$	424	21%

## Permanence stock

The permanence stock corresponds to the stock level that must be maintained by the project operator during the crediting period to ensure the permanence of the eva certificates.

Permanence stock (previous period) [VFm/ha]	Additional stock (current reference period) [VFm/ha]	New permanence stock [VFm/ha]
328,12	3,06	331,19

## Signatures

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TÜV Rheinland Energy & Environment GmbH confirms that the project, as described on the eva online platform and assessed during the site visit, meets all criteria of the FCS without restrictions.



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Date + Signature  
**Lead auditor**



31.10.2025

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Date + Signature  
**Approver**