



Supply Base Report: Norsk Biobrensel AS

Third Surveillance Audit

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Completed in accordance with the Supply Base Report Template Version 1.3

For further information on the SBP Framework and to view the full set of documentation see www.sbp-cert.org

Document history

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1 Overview

Producer name: Norsk Biobrensel AS

Producer location: Kristiansand, Vest-Agder, Norway

Geographic position: 58.139348; 7.870161

Primary contact: Ole Kristian Hodnemyr, tlf. +47 90054272, e-post: ole@norbio.no

Company website: www.norbio.no

Date report finalised: 28/Feb/2020

Close of last CB audit: 28/Feb/2020

Name of CB: DNV GL Business Assurance Finland Oy Ab

Translations from English: Yes

SBP Standard(s) used: Standard 2 v1.0, Standard 4 v1.0, Standard 5 v1.0

Weblink to Standard(s) used: <https://sbp-cert.org/documents/standards-documents/standards>

SBP Endorsed Regional Risk Assessment: Not applicable

Weblink to SBE on Company website: Not applicable

Indicate how the current evaluation fits within the cycle of Supply Base Evaluations				
Main (Initial) Evaluation	First Surveillance	Second Surveillance	Third Surveillance	Fourth Surveillance
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>

2 Description of the Supply Base

2.1 General description

Norsk Biobrensel was established in 2002 in Agder with regional ambitions.

The main business area is processing and trade of wood for the bio energy sector. The product has historically been wood chips from virgin fibres (primary feedstock) and briquettes made from saw mill residues.

Over the past years, Norsk Biobrensel has grown its business to cover larger parts of Norway from Troms in the north to Oslo in the east. Just recently, new contracts for export of wood chips have also been signed.

The Supply Base is Norway and all feedstock is 100% Norwegian and 100% PEFC certified. Norsk Biobrensel holds a PEFC COC certificate (207927-2016-AE-NOR-NA) and purchase SBP-compliant primary feedstock from a small number of Norwegian suppliers, also holding valid PEFC certificates.

The Norwegian forest

Of Norway's surface, 37% is covered by forest. Approximately 50% of this is considered productive area.

The main distribution of species in Norway:

Treslag	Stående volum (mill m ³)	Distri.	Increment (mill m ³)	Distri.	Avvirkning
Gran	273	47%	10,5	54%	7,0
Furu	188	32%	4,8	25%	2,1
Løvtre	123	21%	4,1	21%	1,1
TOTALT	584	100%	19,5	100%	10,2

There is approximately 75 000 km² of productive forest area in Norway. Standing volume has been double since 1925 and the harvesting is less than the increment every year.

The productive area of the Norwegian regions are:

Fylke	Produktivt areal	% av total
Østfold	2 292	59
Akershus og Oslo	3 248	65
Hedmark	13 040	50
Oppland	6 802	28
Buskerud	5 465	39
Vestfold	1 214	57
Telemark	4 996	35
Aust-Agder	3 362	40
Vest-Agder	2 470	36
Rogaland	1 205	14
Hordaland	2 426	16
Sogn og Fjordane	2 548	14
Møre og Romsdal	2 768	19
Sør-Trøndelag	4 140	23
Nord-Trøndelag	5 828	28
Nordland	4 611	13
Troms	3 116	12

The main sourcing areas for Norsk Biobrensel are Agder and Telemark.

In Norway, forest resource policies are based on principles of maintaining the long-term stability and resilience of the resource base. The goal of Norwegian forest management policies is to meet social, economic, ecological and cultural needs for present and future generations.

CITES species are present in Norway but do not include any threatened softwood or deciduous (broadleaf species) trees.

Protected areas in Norway:

National parks: 29. Total area: 27,756,000 ha.

Landscape protection areas: 174. Total area: 15,093,000 ha.

Nature reserves: 1,790. Total area: 4,193,000 ha.

Nature monuments: 103. Total area: 2,000 ha.

Other protection areas: 118. Total area: 126,000 ha.

As part of the forest management planning for on the scale of a forest management unit, also valuable key biotopes are identified and mapped according to Norwegian methodology. The key biotopes are either fully protected or their maintenance secured through other measures specified in the forest management plan.

Reforestation: The planting of forest trees intended for the production of timber. The plants are generated in nurseries. In Norway, it is normal to plant spruce, usually 1-2 years after felling. In some cases, broadleaved trees are planted when the conditions are suitable, for example birch. Pine grows normally after natural regeneration of seed trees remaining on the field after final felling.

The silviculture practises include regeneration, either by natural regeneration or planting, followed by nursing, 1-2 thinnings and final harvest. The final harvest is done on smaller size harvesting plots taking due account of nature values, landscape values and social values, which is monitored before and after harvest. Mostly, the forest operations are performed by contractors.

Sources:

http://www.borealforest.org/world/world_norway.htm

https://no.wikipedia.org/wiki/Norges_skoger

https://no.wikipedia.org/wiki/Skogbruk_i_Norge

2.2 Actions taken to promote certification amongst feedstock supplier

The action is that Norsk Biobrensel is only sourcing PEFC certified feedstock from PEFC certified feedstock suppliers according to our own COC certification. A very high percentage of the Norwegian forests are PEFC certified.

2.3 Final harvest sampling programme

None at present. Rotation period for Spruce and pine in Norway is approx. 70-100 year. For hardwood shorter. Wood harvested as a commercial source of energy is only approx. 8% of all wood harvested in Norway. Feedstock used by Norsk Biobrensel is from final fellings and thinning and vary year from year.

2.4 Flow diagram of feedstock inputs showing feedstock type [optional]

N/A.

2.5 Quantification of the Supply Base

Supply Base

- a. Total Supply Base area (ha): 12 million hectares
- b. Tenure by type (ha): Privately owned: 9,6 million and public owned 2,4 million hectares
- c. Forest by type (ha): Boreal 12 million hectares.
- d. Forest by management type (ha): Managed Natural 12 million hectares.
- e. Certified forest by scheme (ha): PEFC: 9,1 million hectares certified, FSC 0,4 million hectares certified.

Feedstock

- f. Total volume of Feedstock: 100 000 tonnes
- g. Volume of primary feedstock: 100 000 tonnes
- h. List percentage of primary feedstock (g)
 - Certified to an SBP-approved Forest Management Schemes (100%).
- i. List all species in primary feedstock, including scientific name:
 - *Picea abies*, *Pinus sylvestris*, *Populus spp.*, *Populus tremula*, *Betula spp.*, *Fraxinus excelsior*, *Quercus spp.*, *Fagus sylvatica*, *Alnus glutinosa*, *Alnus incana*, *Picea sitchensis*.
- j. Volume of primary feedstock from primary forest: 0
- k. List percentage of primary feedstock from primary forest: 0
- l. Volume of secondary feedstock: 0
- m. Volume of tertiary feedstock: 0

3 Requirement for a Supply Base Evaluation

SBE completed	SBE not completed
<input type="checkbox"/>	<input checked="" type="checkbox"/>

SBE is determined not to be required and is therefore not completed because all raw material (feedstock) is sourced as 100% PEFC certified from the Supply Base Norway under our PEFC COC certificate (207927-2016-AE-NOR-NA).

4 Supply Base Evaluation

4.1 Scope

N/A.

4.2 Justification

N/A.

4.3 Results of Risk Assessment

N/A.

4.4 Results of Supplier Verification Programme

N/A.

4.5 Conclusion

N/A.

5 Supply Base Evaluation Process

N/A.

6 Stakeholder Consultation

N/A.

6.1 Response to stakeholder comments

N/A.

7 Overview of Initial Assessment of Risk

N/A.

8 Supplier Verification Programme

8.1 Description of the Supplier Verification Programme

N/A.

8.2 Site visits

N/A.

8.3 Conclusions from the Supplier Verification Programme

N/A.

9 Mitigation Measures

9.1 Mitigation measures

N/A.

9.2 Monitoring and outcomes

N/A.

10 Detailed Findings for Indicators

N/A.

11 Review of Report

11.1 Peer review

The SBR has been reviewed internally by internal experts of Norsk Biobrensel and within the sister companies of the NEGGRUPPEN. It is not considered relevant to carry out an external review.

The SBR has been sent for review to the certification body.

11.2 Public or additional reviews

This is not found relevant. The SBR has been reviewed internally.

12 Approval of Report

Approval of Supply Base Report by senior management			
Report Prepared by:		CFO	28.02.2020
	Frank Olsen		
	Name	Title	Date
<p>The undersigned persons confirm that I/we are members of the organisation's senior management and do hereby affirm that the contents of this evaluation report were duly acknowledged by senior management as being accurate prior to approval and finalisation of the report.</p>			
Report approved by:		Production Manager	28.02.2020
	Erling Ryger		
	Name	Title	Date
Report approved by:		CEO	28.02.2020
	Ole Kristian Hodnemyr		
	Name	Title	Date
Report approved by:	[name]	[title]	[date]
	Name	Title	Date

13 Updates

13.1 Significant changes in the Supply Base

No significant changes in the supply base.

13.2 Effectiveness of previous mitigation measures

No SBE, only PEFC certified rawmaterials are used. Thus, no controll-measures applied.

13.3 New risk ratings and mitigation measures

No SBE, only PEFC certified rawmaterials are used. Thus, not risk evaluation or controll-measures applied.

13.4 Actual figures for feedstock over the previous 12 months

53,678 tonn biomass delivered customers in 2019.

13.5 Projected figures for feedstock over the next 12 months

48 000 tonn biomass planned delivered to customers in 2020.