

Supply Base Report: Moelven Pellets AS

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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

On the first page include the following information:

Producer name: Moelven Pellets AS
 Producer location: Nordmoveien 60, 3534 Sokna
 Geographic position: Latitude: 60°14'38.4" N Longitude 9°57'15.1" E
 Primary contact: Inge Hanstad
 Moelven Virke AS, Industrivegen 2, Postboks 134, 2391 Moelv
 +47 97683327
 Inge.Hanstad@Moelven.no
 Company website: <https://www.moelven.com/no/om-moelven/moelven-pellets/>
 Date report finalised: 25.11.2019
 Close of last CB audit: 20.11.2019
 Name of CB: Control Union Certifications
 Translations from English: Yes, Norwegian
 SBP Standard(s) used: Standard 2 version 1.0, Standard 4 version 1.0, Standard 5 version 1.0
 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: <https://www.moelven.com/about-moelven/certificates-documentation-and-declarations/>

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

2 Description of the Supply Base

2.1 General description

Moelven Pellet AS is a pellet plant established in 2019 and is a production companies in Moelven Group.

Moelvne Pellets AS produces wooden pellets from woodworking residues of seven sawmills. The annual production volum is 80 000 tonnes wood pellets. These residues for pellet production consist of sawdust and chips of Norway spruce (*Picea abies*) and Scots pine (*Pinus sylvestris*). All volumes are procured with an FSC and/or PEFC certification claim.

Moelven Pellets AS uses residues from the following sawmill within the Moelven Group: Moelven Soknabruket AS, Moelven Numedal AS, Moelven Telemarksbruket AS, Moelven Granvin Bruk AS and Moelven Mjøsbruket AS. In addition Moelven Pellets AS uses residues from the group-external sawmills Begna Bruk AS and Bergene Holm Haslestad.

All sawmill within the Moelven Pellets supplybase uses locally harvested sawlogs. The residues from the production of a saw log (100%) in Norway is typically 25% pulp chips and 20% sawdust & shawings.



The Norwegian forest

In total 37% of Norway's land area, or about 122000 km² is covered by forests or wooded land. There is approximately 75 000 km² of productive forest area in Norway.

Region	Produktive area	% of total
Viken and Oslo	11 005	16 %
Innlandet	19 842	28 %
Vestfold og Telemark	6 210	9 %
Agder	5 832	8 %
Rogaland	1 205	2 %
Vestlandet	4 974	7 %
Møre og Romsdal	2 768	4 %
Trøndelag	9 968	14 %
Nordland	4 611	7 %
Troms og Finnmark	3 948	6 %



The main sourcing areas for Moelven Pellet AS are Viken and Innlandet.

Standing volume has been double since 1925 and the harvesting is less than the increment every year. One fourth of Norwegian land area is productive forest. In 2016, the total stock in Norwegian forests is 952 million cubic metres, and over the last ten years the volume has grown 25 per cent. The annual increment was almost 26 million cubic metres. In productive forest, the annual increment amounted to 23.8 million cubic metres; of which 18.5 million cubic metres are in conifer forest. In 2015, the forest owners cut 10.2 million cubic metres industrial roundwood for sale. In addition, 2.5 million cubic metres fire wood was used by the households. In total, forest owners invested NOK 372 million in silviculture and forest roads. In 2014, almost 16 000 persons were employed in Norwegian paper mills, sawmills and woodworking industry.

Norway spruce (44 per cent) and Scots pine (31 per cent) are the most common tree species in Norwegian forests, representing 75% of the total standing stock. Broad-leaved (25 per cent) is increasing the most, and over the last ten years the volume of broad-leaved species has increased by 40 per cent.

Sources:

<https://www.ssb.no/en/jord-skog-jakt-og-fiskeri/artikler-og-publikasjoner/agriculture-and-forestry-in-norway-2011>

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

Forest properties and productive forest area

	2017				
	Number of properties	Share	Productive forest area	Share	Average
In total	127038	100	70023492	100	551
Productive forest area in decares					
25-99 decares	43571	34,3	2431970	3,5	56
100-249 decares	33218	26,2	5434555	7,8	164
250-499 decares	21963	17,3	7805611	11,1	355
500-999 decares	15499	12,2	10848851	15,5	700
1 000-1 999 decares	7976	6,3	10966445	15,7	1375
2 000-4 999 decares	3589	2,8	10570623	15,1	2945
5 000-19 999 decares	988	0,8	8608631	12,3	8713
20 000 decares or more	234	0,2	13356805	19,1	57080

Forest management

The use of Norwegian forest is regulated under the Forest Act. The Forestry Act was renewed in 2005. Forestry has relatively few regulations in Norway. Harvesting is regulated by the Ministry of Agriculture and Food. The purpose of the Forest Act is to promote sustainable management of forest resources in Norway with a view to promotion of local and national economic development, and to secure biological diversity, consideration for the landscape, outdoor recreation and the cultural values associated with the forest.

Protected areas

In 2016, the Parliament decided goal of protecting 10 per cent of the Norwegian forested areas, partly through voluntary protection, partly through conserving public forests.

	The main land of Norway 2017		
	Protected area (km ²)	Number of protected areas	Proportion of total area (%)
National parks	31294	39	9,7
Nature reserves	6782	2265	2,1
Landscape protected areas	17231	194	5,3
Other protections	387	458	0,1

Mainland of Norway including islands, but excluding Svalbard and Jan Mayen.

Some protected areas belong to several protection categories. Total protected area is therefore smaller than sum protected area for the four categories

Sources:

<https://www.ssb.no/en/jord-skog-jakt-og-fiskeri/statistikker/stskog/aar>

<https://www.regjeringen.no/no/dokumenter/Skogbrukslova/id87139/>

<https://www.ssb.no/en/arealvern>

Species

CITES species are present in Norway, but do not include any tree species.

Norway has formally adopted a Red List classification of species in accordance with criteria from the International Union for Conservation of Nature (IUCN). The most recent edition of the Norwegian Red List (2015) includes 4438 species, 2355 of which are considered to be threatened (critically endangered, endangered or vulnerable), while 1235 are listed as near threatened. In Norway, land-use change is considered to be a threat to 90 % of all critically endangered, endangered and vulnerable species (threatened species). Commercial forestry is a threat to 41% of these vulnerable species. More species are associated with forests than with any other main habitat in Norway (26,000 known species of plants and animals). Almost half (48 %) of all threatened species are found in forest, either exclusively or both in forest and in other habitats. The largest numbers of threatened species in forest habitats are in the species groups fungi (353 species), beetles (230 species), true flies or Diptera (128 species) and lichens (124 species). Many of the threatened species in forest are specialists, for example found on dead wood, large deciduous broad-leaved trees, burnt areas left by forest fires, or calcareous soils. A large proportion of the red-listed species found in forests are associated with rich broad-leaved forest, even though this only makes up 1 % of Norway's productive forest area.

Norway is party to several international agreements that deal with the protection of threatened species and cover forestry and land management practices. The most important of these are the Convention on Biological Diversity, the Bern Convention, the CITES Convention and the Ramsar Convention.

2.2 Actions taken to promote certification amongst feedstock supplier

All suppliers are currently PEFC or FSC certified. A very high percentage of the Norwegian forests are PEFC certified.

2.3 Final harvest sampling programme

No final fellings are used to source raw material for the pellet production, only wood residues are used.

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

Sources:

<https://www.environment.no/topics/biodiversity/species-in-norway/threatened-species/>

2.5 Quantification of the Supply Base

Supply Base

- a. Total Supply Base area (ha): Total Supply Base area (ha): Predominately conifer closed-forest mainly within Innlandet, Viken, Oslo, Vestfold og Telemark, Agder, Rogaland, Vestlandet and Møre og Romsdal. Comprising 7,4 million hectares. The Total Supply Base includes all of Norway and 12 million hectares.
- b. Tenure by type (ha): privately owned 9,6 million hectare 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):
 - FSC Norway: 440 000 ha
 - PEFC Norway 7 300 000 ha

Feedstock

- f. Total volume of Feedstock up to 160 000 m³
- g. Volume of primary feedstock: 0 m³
- h. List percentage of primary feedstock (g), by the following categories.
 - Certified to an SBP-approved Forest Management Scheme
 - Not certified to an SBP-approved Forest Management Scheme

No applicable
- i. List all species in primary feedstock, including scientific name

No applicable
- j. Volume of primary feedstock from primary forest: 0 m³
- k. List percentage of primary feedstock from primary forest (j), by the following categories. Subdivide by SBP-approved Forest Management Schemes:
 - Primary feedstock from primary forest certified to an SBP-approved Forest Management Scheme
 - Primary feedstock from primary forest not certified to an SBP-approved Forest Management Scheme

No applicable
- l. Volume of secondary feedstock up to 160 000 m³ of sawdust and pulp chips of Scots pine (*Pinus sylvestris*) and Norway spruce (*Picea abies*)
- m. Volume of tertiary feedstock: 0 m³

3 Requirement for a Supply Base Evaluation

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

No Supply Base Evaluation was conducted, because total volume is FSC and PEFC certified.

4 Supply Base Evaluation

4.1 Scope

All of the feedstock is an SBP-approved Forest Management Scheme feedstock and we concluded this is exempt from a SBE.

4.2 Results of Risk Assessment

Not applicable.

4.3 Results of Supplier Verification Programme

Not applicable.

4.4 Conclusion

Not applicable.

5 Supply Base Evaluation Process

All of the feedstock is an SBP-approved Forest Management Scheme feedstock and we conclude an SBE is exempt.

6 Stakeholder Consultation

All of the feedstock is an SBP-approved Forest Management Scheme feedstock and we concluded a stakeholder consultation was not required.

6.1 Response to stakeholder comments

Not applicable.

7 Overview of Initial Assessment of Risk

All of the feedstock is an SBP-approved Forest Management Scheme feedstock and we concluded a risk assessment was not required.

8 Supplier Verification Programme

8.1 Description of the Supplier Verification Programme

Not applicable. All material is PEFC and FSC certified

8.2 Site visits

Not applicable.

8.3 Conclusions from the Supplier Verification Programme

Not applicable.

9 Mitigation Measures

9.1 Mitigation measures

All of the feedstock is an SBP-approved Forest Management Scheme feedstock and we concluded this is not required.

9.2 Monitoring and outcomes

All of the feedstock is an SBP-approved Forest Management Scheme feedstock and we concluded this is not required.

10 Detailed Findings for Indicators

All of the feedstock is an SBP-approved Forest Management Scheme feedstock and we concluded this is not required.

11 Review of Report

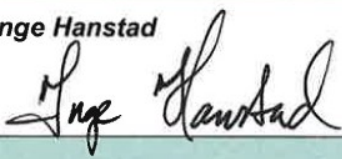

11.1 Peer review

Not applicable.

11.2 Public or additional reviews

If another type of external review was done prior to finalisation of this report (e.g. publication for comments by stakeholders, NGOs, or other independent third parties), describe the process here.

12 Approval of Report

Approval of Supply Base Report by senior management			
Report Prepared by:	<i>Inge Hanstad</i> 	<i>Certification Manager SBP</i>	<i>25.11.2019</i>
	Name	Title	Date
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.			
Report approved by:	<i>Lars Storslett</i> 	<i>CEO Moelven Pellets AS</i>	<i>25.11.2019</i>
	Name	Title	Date
Report approved by:	<i>[name]</i>	<i>[title]</i>	<i>[date]</i>
	Name	Title	Date
Report approved by:	<i>[name]</i>	<i>[title]</i>	<i>[date]</i>
	Name	Title	Date

13 Updates

Note: Updates should be provided in the form of additional pages, either published separately or added to the original public summary report.

13.1 Significant changes in the Supply Base

Not applicable (initial audit).

13.2 Effectiveness of previous mitigation measures

Not applicable (initial audit).

13.3 New risk ratings and mitigation measures

Not applicable (initial audit).

13.4 Actual figures for feedstock over the previous 12 months

Not applicable

13.5 Projected figures for feedstock over the next 12 months

Not applicable