



# Supply Base Report: Stolbtsovski leshoz

Fourth 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](http://www.sbp-cert.org)*

## *Document history*

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# 1 Overview

Producer name:	Stolbtsovski Ieshoz
Producer location:	17 Sentiabria Street, 15, Stolbtsy, Minsk Region, Republic of Belarus
Geographic position:	53°28'25.3"N 26°45'20.3"E
Primary contact:	Lamaka Andrei Mechislavovich, 17 Sentiabria Street, 15, Stolbtsy, Minsk Region, Republic of Belarus, Tel. +375-1717-78837 email: <a href="mailto:stolbzyles@tut.by">stolbzyles@tut.by</a>
Company website:	<a href="http://stolbzyles.by">http://stolbzyles.by</a>
Date report finalised:	06/Aug/2020
Close of last CB audit:	08/Sep/2020
Name of CB:	NEPCon
Translations from English:	Yes
SBP Standard(s) used:	Standard 2 version 1.0, Standard 4 version 1.0, Standard 5 version 1.0
Weblink to Standard(s) used:	<a href="https://sbp-cert.org/documents/standards-documents/standards">https://sbp-cert.org/documents/standards-documents/standards</a>
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"/>	<input type="checkbox"/>	<b>X</b>

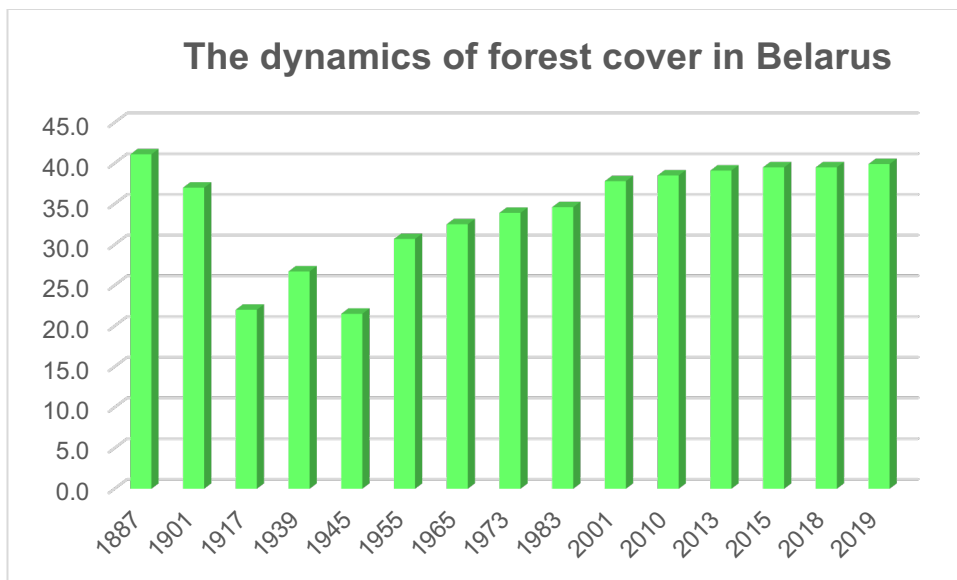
## 2 Description of the Supply Base

### 2.1 General description

#### 2.1.1 Forest resources of the Republic of Belarus

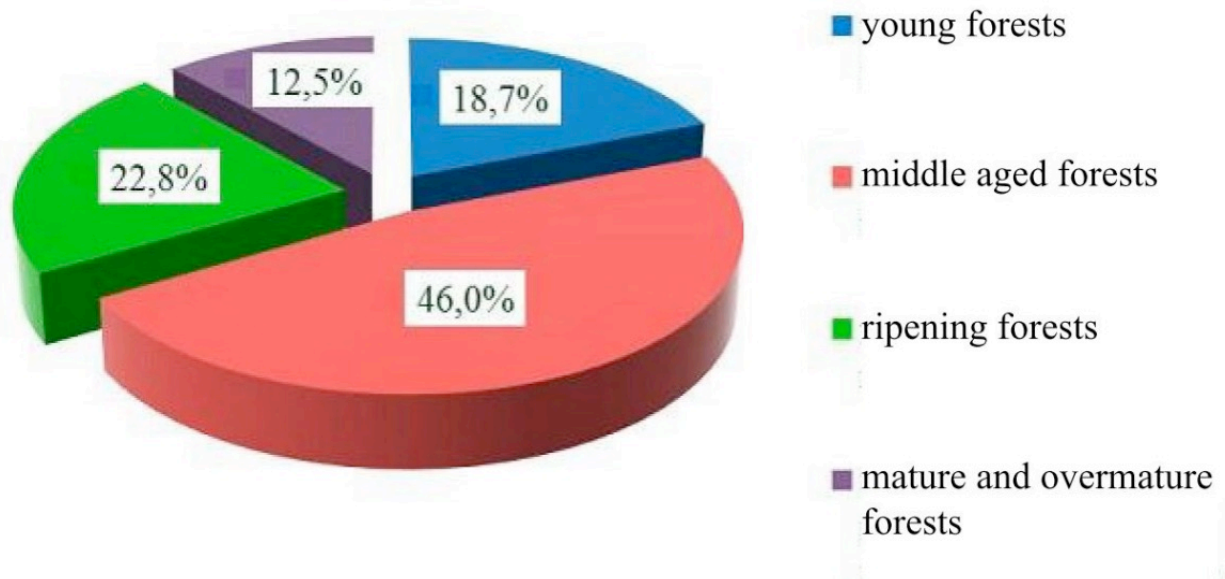
The forest fund of Belarus, as a totality of all forests in the country of natural and artificial origin, includes lands covered with forest as well as other lands intended for the needs of forestry. The total area of the forest fund was 9.5 million hectares, including 8.2 million hectares of forest-covered lands (without glades, cuttings, burns). The forest cover of the territory of Belarus is about 40%, which in general can be considered optimal for our country. The dynamics is shown in the figure.

Translated with [www.DeepL.com/Translator](http://www.DeepL.com/Translator) (free version)



Forest resources of Belarus are well studied, and according to experts' estimates, wood reserves in 2015 amount to 1714.3 million m<sup>3</sup>, including about 263 million m<sup>3</sup> possible for exploitation (mature and aged). The total growth of forests is about 32.1 million m<sup>3</sup> per year. The average age of Belarusian forests is 54 years. By age categories the area covered by forest is distributed as follows: young growth - 18,7 %, average growth - 46,0, sprouting growth - 22,8 %, mature and perennial growth - 12,5 %.

The structure is shown in the figure below.



Forest exploitation in Belarus implies continuity and inexhaustibility. Annual average logging is 10.0 to 11.2 mln m<sup>3</sup> including 4.3 to 4.5 mln m<sup>3</sup> (40%) of major harvest (in mature stands), 5.4 mln m<sup>3</sup> (48%) of maintenance and sanitary cuts (young, middle aged and ripening forests), 1.0 to 2.3 mln m<sup>3</sup> (12%) of other felling types. Forest exploitation is expected to intensify in the following potentially to over 16 mln m<sup>3</sup> in 2011-2015 and to over 19 mln m<sup>3</sup> in 2016-2020. However, it is not going to be unsafe for forests in view of the current annual forest gain in Belarus about 25 mln m<sup>3</sup>. Moreover, the annual forest gain is getting bigger and bigger as the percentage of forest lands grows and age structure of forests gets more uniform. Forest exploitation practice is primarily dependent on annual allowable cut. Only 70% to 80% of the quota has been used in recent years. Underuse is mainly related to soft-wooded broadleaved species, small merchantable wood and hard-to-reach areas where felling is not reasonable economically. Lack of capital investments limits wood usage in energetics. Average annual forest exploitation rates have been equal to not more than 1.5 to 1.7 m<sup>3</sup> per 1 ha of forested area in recent years – that is 2.4 times less than the annual wood gain equal to 3.6 m<sup>3</sup>/ha.

## Forest and wood processing industry

In Belarus, the forest industry consists of forestry (13.5% of all products), wood processing (69.5% of all products), pulp and paper (16.4% of all products) sectors. Ministry of Forestry manages the sector. Historically, sawmilling has always been one of the most significant activities, with about 1,500 businesses licensed to produce sawnwood. Most of them are sawnwood production combined with mechanical wood processing (window and door blocks, wooden frame houses) or wood harvesting. State forestry institutions («forestry establishments») also own woodworking workshops where roundwood of their own production is processed. To date, 9.06 million hectares have been certified in the Republic of Belarus, and 240 (338) Supply Chain certificates have been received.

### 2.1.2 Stolbtsovski leshoz

The supply base of the organization is the total territory of Stolbtsovski leshoz.

Forests are the dominant vegetation type on the territory of the GLHU «Stolbtsovskileshoz». The structure of the FME includes Okinchitskoe, Opechkovskoe, Prudskoe, Nalibokskoe, Kulscoe, Kletischenskoe, Rubezhevichskoe, Starinskoe and Hotovskoe forestry areas and the logging unit. The FME is located in the western part of the Minsk region, within the Stolbtsy administrative district. The total area of the forest farm is 90,033 hectares, including 83,000 hectares covered with forest.

The main forest forming breed in the forest fund of Stolbtsovsky forest farm is Pinus, which occupies 61.7% of the forest-covered land. Less represented are Picea, Betula and Alnus glutinosa, occupying respectively 12%, 15.5% and 9.3% of the forest-covered area. The distribution of plantations by the prevailing species is as

follows: Pinus - 61.7%, Picea - 12%, Quercus - 0.5%, Fraxinus - 0.1%, Betula - 15.5%, Populus tremula - 0.6%, Alnus glutinosa - 9.3%. The total number of conifers is 73.7%, hardwood - 0.8%, softwood - 25.5%.

The most common is the mossy group of forest types, which occupies 34.5% of the forest area covered, slightly less represented by the blueberry (14.9%), brackish (20.3%) and fern (8.9%) groups of forest types. All of them are characterized by quite high productivity with optimal selection of the main species.

Much less productive are plantations belonging to the following groups of forest types: sedge (3.3%), lingonberry (0.4%), long-billed (2.3%), which are usually represented by native forest-forming rocks and are not subject to reconstruction.

In spring, all cut down areas are planted with forest crops or left for natural infestation. All established plantations are taken care of annually.

The main purpose of forest management of Stolbtsovsky leskhoz is the organization of continuous, sustainable, economically efficient, multi-purpose, environmentally responsible, socially oriented forest management and forest use to meet the needs of society in raw material resources of the forest, taking into account the preservation and strengthening of ecological functions of the forest and the conservation of biological diversity of forest biocenoses.

On the territory of Stolbtsovsky leskhoz there are specially protected areas such as Reserve of national importance: Landscape Reserve "Naliboksky". Natural Monument of Republican Importance: Botanical Nature Monument "F.E. Dzerzhinsky Estate with the Adjacent Forest Plot". Natural monuments of local importance: Botanical nature monument "Sula" park. Hydrological natural monument: "Sudnitsa springs", spring "Krasny".

Great importance in the forest farm is given to the conservation of rare and endangered species of plants and animals. For each species of these plants and animals there are protection obligations. Data on rare species are recorded in the passports of rounds, indicating their habitats. Leskhoz implements all necessary measures to ensure the conservation of rare and endangered plant and animal species.

Among the animals listed in the Red Book of Belarus in the territory of Stolbtsovsky leskhoz there are: Black Apollo, Grey Crane, Pustilga, Badger, White Spined Woodpecker, Little Eagle.

On the territory of Stolbtsovsky Forestry there are no endangered species of animals and plants according to CITES (Convention on International Trade in Endangered Species of Wild Fauna and Flora).

Sawdust from own production (SBP compliant secondary feedstock), firewood (SBP compliant primary feedstock), sawmill waste is used for pellets production.

SBP product group	% in the total supply	Number of suppliers	Trees species composition
Controlled feedstock	%	0	-
SBP-compliant primary feedstock	%	-	-
SBP-соответствующее вторичное сырьё	100%	Residues of own wood processing	10% Norway Spruce, 90% Scots Pine
SBP-соответствующее третичное сырьё	%	-	-
SBP несоответствующее сырьё	%	-	-



## 2.2 Actions taken to promote certification amongst feedstock supplier

Not applicable. The Stolbtsovski leshoz uses only FSC-certified wood, which grows on the territory of the forestry establishment.

## 2.3 Final harvest sampling programme

For the production of fuel pellets Stolbtsovsky forestry uses only wood shavings (Sawdust) of sawmill and woodworking of own production.

Primary raw materials from continuous felling with a turnover of 81 years are used for heat generation. However, these clearcuts are not produced for the purpose of using wood as a feedstock for biomass production.

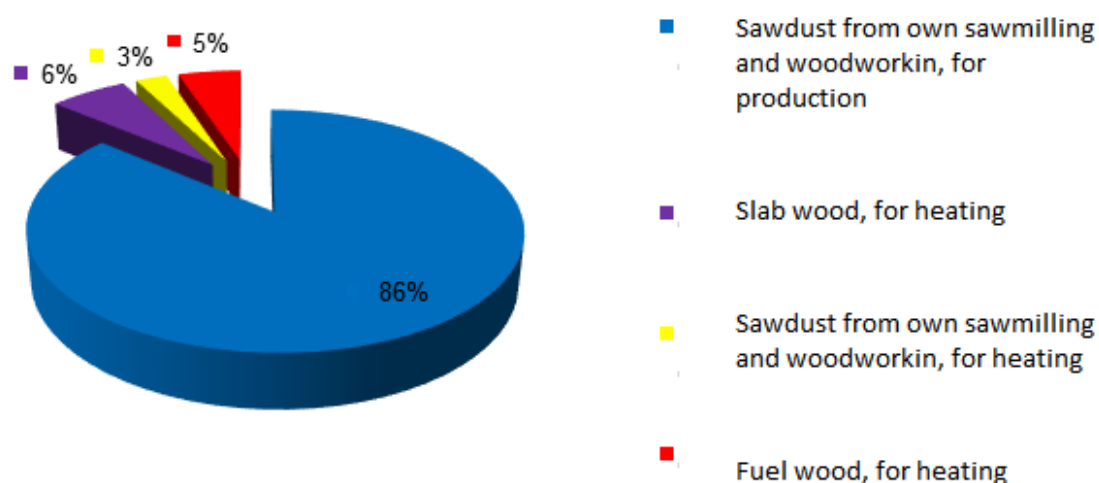
## 2.4 Flow diagram of feedstock inputs showing feedstock type [optional]

Stolbtsovsky forestry enterprise for fuel pellets production uses only sawdust (Sawdust) of sawmill and woodworking of own production, received from conifers (on the basis of data on processing at PMU "Okinchitsy"):

- 90 % common pine (*Pinus sylvestris*);
- 10% common spruce (*Picea abies*).

Step	Description of product flow and control points
1	Forestry activity at own territory 100% FSC-certified
2	Timber sawing at own Okinchitsy production and logging camp
3	Production of fuel pellets of saw dust at Okinchitsy production and logging camp
4	Vehicles (electric train) for transportation to the Belarus-Latvia border

## Feedstock for pellet production and heating purposes



## 2.5 Quantification of the Supply Base

### Supply Base

- Total Supply Base area (ha): 90.033 ha
- Tenure by type (ha): 90.033 ha state property of the Republic of Belarus
- Forest by type (ha): 90.033 ha, temperate
- Forest by management type (ha): 90.033 ha, Managed natural
- Certified forest by scheme (ha): 90.033 ha FSC  
90.033 ha PEFC

### Feedstock

- Total volume of Feedstock: 8746,38 solid m3 per year
- Volume of primary feedstock: not applicable
- List percentage of primary feedstock (g), by the following categories. Subdivide by SBP-approved Forest Management Schemes:
  - Certified to an SBP- approved Forest Management Scheme – 100 %  
FSC 100% (wood wood as fuel for heat generator)
  - Not certified to an SBP-approved Forest Management Scheme – 0 %
- List all species in primary feedstock, including scientific name:
  - Pinus sylvestris
  - Picea abies
- Volume of primary feedstock from primary forest:  
not applicable, 0 solid m3.
- 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 - 0%;
  - Primary feedstock from primary forest not certified to an SBP-approved Forest Management Scheme - 0%.

- l. Volume of secondary feedstock: 12159 solid m<sup>3</sup> per year - sawmills and woodworking waste of our own production (Slabs and edgings). 8746.38 solid m<sup>3</sup> per year - sawdust of sawmill and woodworking of own production (from them for production of 7649.98 m<sup>3</sup> and for heat generation - 1096.40 m<sup>3</sup>).
- m. Volume of tertiary feedstock: not applicable (0 solid m<sup>3</sup>).

### 3 Requirement for a Supply Base Evaluation

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

FSC-certified wood is used for the production of SBP fuel pellets, i.e. 100% of all pellet production will have an FSC 100% claim. No resource base assessment is required.

## 4 Supply Base Evaluation

### 4.1 Scope

Not applicable.

### 4.2 Justification

Not applicable.

### 4.3 Results of Risk Assessment

Not applicable.

### 4.4 Results of Supplier Verification Programme

Not applicable.

### 4.5 Conclusion

Not applicable.

# 5 Supply Base Evaluation Process

Not applicable.

## 6 Stakeholder Consultation

Not applicable.

### 6.1 Response to stakeholder comments

Not applicable.

## 7 Overview of Initial Assessment of Risk

Not applicable.



# 8 Supplier Verification Programme

## 8.1 Description of the Supplier Verification Programme

Not applicable.

## 8.2 Site visits

Not applicable.

## 8.3 Conclusions from the Supplier Verification Programme

Not applicable.

# 9 Mitigation Measures

## 9.1 Mitigation measures

Not applicable.

## 9.2 Monitoring and outcomes

Not applicable.

# 10 Detailed Findings for Indicators

Not applicable.

# 11 Review of Report

## 11.1 Peer review

Expert assessment of the report on the supply base "Stolbtsovsky forestry" was made by the candidate of agricultural sciences Sergey Vladimirovich Kovalevsky 03/28/2016.

Expert qualification: Kovalevsky Sergey Vladimirovich graduated from the Belarusian State Technological University in 1998, forestry faculty. He also completed his postgraduate studies at the Department of Forest Management, has an academic degree of Candidate of Agricultural Sciences. Kovalevsky Sergey Vladimirovich has significant experience of participation in scientific projects of the State Scientific Program of Forestry, related to the issues of rational forest management and environmentally oriented forestry.

Экспертная оценка отчета о ресурсной базе  
ГЛХУ «Столбцовский лесхоз»

28.03.2016

**Квалификация эксперта:** Ковалевский Сергей Владимирович закончил Белорусский Государственный Технологический университет в 1998 году, лесохозяйственный факультет. Также закончил аспирантуру на кафедре лесоустройства, имеет ученую степень кандидата сельскохозяйственных наук. Ковалевский Сергей Владимирович имеет значительный опыт участия в научных проектах Государственной научной программы лесного хозяйства, связанных с вопросами рационального лесопользования и экологически ориентированного лесного хозяйства.

**Обзор оценки:** отчет о ресурсной базе ГЛХУ «Столбцовский лесхоз» был рассмотрен. Лесной фонд учреждения находится в западной части Минской области, Республика Беларусь. Предприятие использует в качестве сырья лесоматериалы хвойных пород, заготавливаемые в лесном фонде ГЛХУ «Столбцовский лесхоз». Поэтому в отчете о ресурсной базе ГЛХУ «Столбцовский лесхоз» кратко описывается состояние лесных ресурсов, также лесной фонд данного лесохозяйственного учреждения Республики Беларусь. В процессе рассмотрении отчета не было обнаружено грубых ошибок или неверной интерпретации цифр, были использованы официальные источники для подтверждения представленной информации и выводов. Общее описание лесных ресурсов Республики Беларусь включает в себя основные характеристики, такие как площадь лесов, валовый годовой прирост, общий запас насаждений, интенсивность лесозаготовок, видовой состав и т.д. Основные риски покупки древесины из лесов высокой природоохранной ценности и древесины, загрязненной радиоактивными элементами и др. весьма низкие в связи с поставками древесины только с лесного фонда ГЛХУ «Столбцовский лесхоз». Поскольку приоритет отдается только FSC сертифицированной древесине из собственного лесного фонда, риск приобрести сырье из сомнительных источников очень низок.

Рецензент,  
доцент кафедры лесоустройства,  
кандидат сельскохозяйственных наук



С. В. Ковалевский

## 11.2 Public or additional reviews

The Russian version of the report is available on the website of Stolbtsovsky leskhoz at <http://stolbzyles.by/certification> for public review of all interested parties.

After review, all stakeholders can send their feedback, if any, to the e-mail address: [stolbzyles@tut.by](mailto:stolbzyles@tut.by).

## 12 Approval of Report

Approval of Supply Base Report by senior management			
Report Prepared by:	<i>Andrei Mechislavovich Lamaka</i> 	<i>Standardization and certification engineer</i>	<i>22/05/2020</i>
	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 finalization of the report.</p>			
Report approved by:	<i>Gennadii Stanislavovich Spilevski</i>	<i>Chief Engineer</i> 	<i>22/05/2020</i>
	Name	Title	Date
Report approved by:	<i>Gennadii Vikentievich Kazhushko</i> 	<i>director</i>	<i>22/05/2020</i>
	Name	Title	Date

# 13 Updates

Not applicable.

## 13.1 Significant changes in the Supply Base

Not applicable.

## 13.2 Effectiveness of previous mitigation measures

Not applicable.

## 13.3 New risk ratings and mitigation measures

Not applicable.

## 13.4 Actual figures for feedstock over the previous 12 months

8746,38 m<sup>3</sup> per year.

## 13.5 Projected figures for feedstock over the next 12 months

In 2020, it is planned to receive, use and process 8850 m<sup>3</sup> of sawdust.