

SBP

Sustainable Biomass Partnership

Supply Base Report: GLHU Tolochinsky Leshoz

First Surveillance Audit

www.sustainablebiomasspartnership.org



Completed in accordance with the Supply Base Report Template Version 1.2

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

Document history

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1 Overview

Producer name: GLHU «Tolochinskileshoz»
Producer location: Republic of Belarus, Vitebsk region, 211091, Tolochin, Oktjabrskaya street, 24.
Geographical position: lat 54.40,lon 29.75
Primary contact: Morozova Natalia Vladimirovna, Tolochin, Oktjabrskayastreet, 24, Vitebsk region, email tol_leshoz@open.by
Company website: <http://tolochinles.by>
Date report finalised: 30/May/2017
Close of last CB audit: 30/May/2017, Tolochin
Name of CB: UABNEPcon LT
Translation from English: YES
SBP Standard (s) used: SBP Standards: Standard 2 Version 1.0 : Standard 4 Version 1.0, : Standard 5 Version 1.0
Web-reference on used Standards: <https://sbp-cert.org/documents>
Regional risk assessment, approved SBP: not applicable
Weblink to SBE on Company website: http://tolochinles.by/index.php?url=sert_sootv

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"/>	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2 Description of the Supply Base

2.1 General description

GLHU Tolochinski leshoz source the raw materials as primary and secondary feedstock. Secondary feedstock originating as wood industry residues from own production as well as from external sawmills. Primary feedstock is sourced directly from own forests, Belarus.

The incoming feedstock is divided into:

SBP-compliant secondary feedstock, 28.6 %

SBP-compliant primary feedstock, 71.4 %

Species: Species: *Picea abies* (L.) H. Karst.); *Pinus sylvestris* (L.); *Betula pendula*
Number of suppliers – appr. 2.

2.1.1 Forest resources of the Republic of Belarus

Forest resources of Belarus as an aggregate of all natural and homogeneous national forests include woodland and other lands allotted for forestry. Total area of forest resources is 9.5 mln ha, including 8.2 mln ha of forested area (with no glades, hewn, burn-out places). It is 14.8% over the area of 1988. The gain was mainly achieved by natural and homogeneous afforestation of low-yield lands and lands unfit for agriculture. The percentage of forest lands in Belarus is 39.5% that is optimal for our country in general.

In the Republic of Belarus forests are one of the main renewable natural resources and the most important of natural wealth. Forests and forest resources have high profile for stable social and economic development of the country. They provide the country with economical, energy, ecological and food safety. Belarus is included in the first then of European forestry states in accordance with a number of key indices which characterize forest resources (percentage of forest land, forests area and reserve of growing wood for one inhabitant).

Forest and forest resources are the most important renewable natural resource of Belarus, one of the main factors of social and economic safety of the country. Forests occupy 38.8% of the territory of the Republic and form 9.45 mln ha with total resource 1.6 mlrd m³

Forest resources of Belarus are quite enough investigated. According to experts in 2015 wood resources evaluated for 1714.3 mln m³, including appropriated for exploitation (ripe and overripe) about 263 mln m³. Total growth of forests is about 32.1 mln. m³ per year. Middle age of Belarusian forests is 54 years. According to age categories forested area is classified as follows: young forests — 18.7 %, middle age forests — 46.0, ripening forests — 22.8, ripe and overripe forests - 12.5 %.

In Belarus forest utilization is carrying out according to the principle of continuity and unexhaustion. Average annual timber cutting estimates for 10.0-11.2 mln m³ per year, including timber cutting of main utilization (in ripe forests) – 4.3-4,5 mln m³ (40 %), timber cutting for care and sanitary cutting (young forests, middle age forests and ripening forests) – 5.4 mln m³ (48 %) and other cutting – 1.0-1.3 mln m³ of wood (12 %). It is forecasted the further extension of forest utilization. In 2011-2015 volumes of forest cutting can exceed 16 mln m³, in 2016-2020 – 19 mln m³. Nevertheless, it may not damage to forests, because total annual gain of wood in forests of Belarus at present evaluates for about 25 mln m³ per year and continue to increase in accordance with the increase of percentage of forest land and levelling of age structure of forests. First of all the procedure of forest utilization is determined by calculated wood-cutting area. Calculated wood-cutting area is the norms

of annual volumes of forest cutting or quantity of finished products which can be withdrawn from further forest reproduction for harvesting of timber. It is accounted in accordance with availability of ripe wood, character of reproduction, wood requirement and also observance of the principle of continuous and inexhaustible forest utilization. The last years calculation wood-cutting area was used only on 70-80% by cutting of main using. Underdeveloping happens mainly by soft-leaved species, small-scale wood and at places difficult of access where timber cuttings are unprofitable. Wood use for energy needs is restrained by lack of capital investments. Average annual volume of forest using of last years formed only 1.5-1.7 m³ of woods from 1 ha of forested area, that 2.4 times less than annual average increase of wood – 3,6 m³/ha. According to forecast for 2015 increase of calculated wood-cutting area is expected almost in 2 times, that allows extending scales of all types of forest using, to increase export of wood.

Timber and woodworking industry

In Belarus woodworking industry consists of forestry (13,5% of total production), woodworking (69,5% of total production), pulp and paper (16,4% of total production) pulp and paper sectors. Historically log-sawing was one of the main type of activity where about 1500 agents of management had licenses for production of saw-timbers. Most of them are productions of saw-timber in combination with mechanical woodworking (windows, doors, wooden frame houses) or timber. State forestry institutions («leshoses») also have woodworking shops, where round woods of own production are used. At 2013 on the basis of leshoses there were 71 shops where 1.9 mln m³ of wood were treated.

Forestry contribution to the national economy made up USD 575 mln or 1.1% GDP IN 2011. according to FAO (Food and Agricultural Organization of the United Nations) 113 thousand people are directly engaged in forestry.

More than 75 woodworking and trade Belarusian companies had been certified by FSC (Forest Stewardship Council) by mid-2015

In Belarus average annual energy consumption is about 967 pJ – it is about 23 mln tons in oil equivalent. It is considered that Belarus has 611 mln m³ of wooden biofuel and at the beginning of 2014 annual productivity of production of wood chips achieved 1.25 mln m³.

2.1.2 GLHU «Tolochinski leshoz»

At present leshoz occupies area 59310.1 ha, including forested area 51437.4 ha and consists of 6 forest areas. The extension of leshos from the north to the south is 43 km and from west to east - 48 km.

According to forest and plant division into districts, forests of leshoz relate to Orshansko-Pridneprovski complex of forest land, Orshansko-Mogilevski forest area of deciduous and firry (oak-dark coniferous forest) forests subarea. This complex of forest lands is single in the republic, where spruce forests are predominated (32% of forest area). Distinguishing feature of pine forests of the complex is the predominance of oxalis and adderspit types of forests. Spruce forests are fast replacing by soft-leaved forests. Birch and aspen plantings occupy almost 40% of forest area in leshoz. Black alder-tree and grey alder-tree forests as well as oak forests are not prevailed. Marsh forests occupy 13% of forest area.

Wood harvested in GLHU «Tolochinskileshoz» is controlled by wood purchasing certificate with marking, labels for removal of logs, waybill.

For the production of pellets in the reporting period used primary feedstock (total) 2788 cubic meters, 373 cub.m of which. Were used for heating. The volume of secondary feedstock was 1116 cub.m., including sawdust-1086 cub m, bolsters -33 M³.

Climate

The territory of leshoz is in lukewarm, humid climatic area with cold winter, slightly softened by Baltic air masses, lukewarm summer and relatively brief vegetative period.

Predominate winds: in summer – northwestern and western, in winter - south-western and southern.

Following process of soil formation are determined: caespitose, podzol, sod-podzol, marsh, flood-plain. As a result of mentioned soil formations the territory of leshoz has 9 types of soil. Sod-podzol semi- hydromorphic soils, occupying 45.5% of territory, are predominated on the territory of leshoz and confined to low elements of relief.

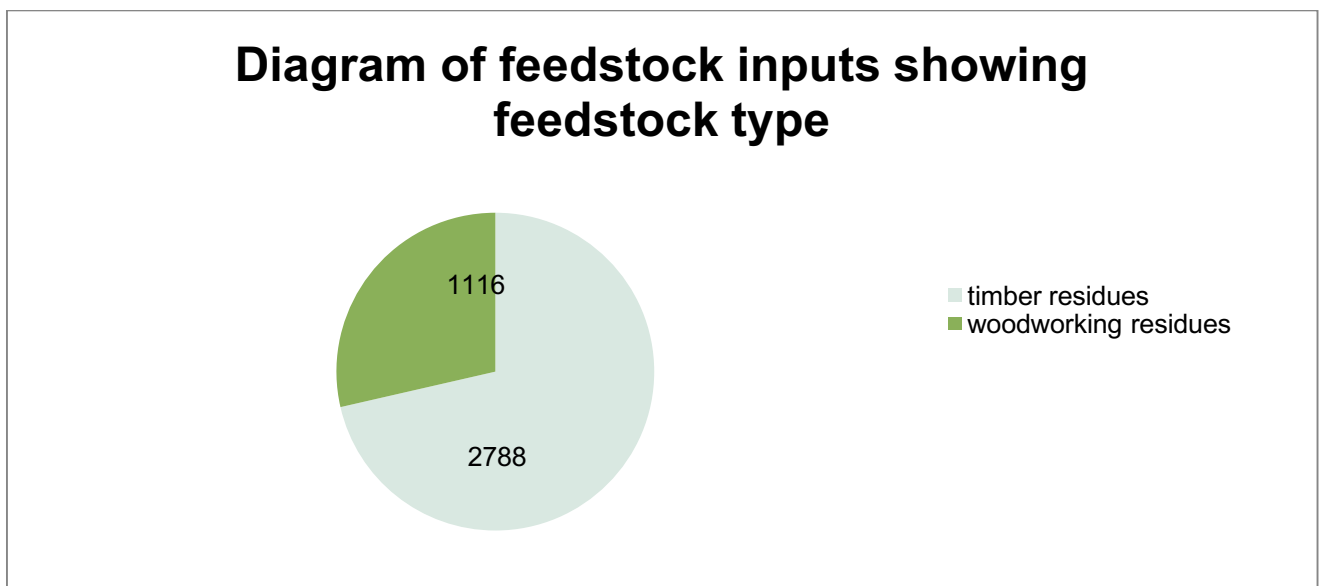
2.2 Actions taken to promote certification amongst feedstock supplier

Not applicable. GLHU Tolochinski leshoz uses only FSC- certified wood grown at company’s territories

2.3 Final harvest sampling programme

Not applicable. GLHU “Tolochinski leshoz” use forest residues for pellets production. This fuelwood is received from thinning and top parts received from final harvestings. At main harvestings firewoods (top parts) are harvested. They form about 10% of all volume of treatment in pellets production. Stem wood from final harvestings is not used.

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



2.5 Quantification of the Supply Base

Supply Base

- a. Total Supply Base area (ha): 9,5 million ha
- b. Tenure by type (ha) 9,5 million ha Government of the Republic of Belarus
- c. Forest by type (ha): temperate 9.5 million ha
- d. Forest by management type (ha): managed semi-natural 9.5 million ha
- e. Certified forest by scheme (ha): FSC - total certified area 8.3 million ha
PEFC – total certified area 8.84 million ha

Feedstock

- f. Total volume of Feedstock: tonnes or m³ - 3904 solid m³*
- g. Volume of primary feedstock: tonnes or m³ – 2788 solid m³*
- h. List percentage of primary feedstock (g), by the following categories. - percentages may be shown in a banding between XX% to YY% if a compelling justification is provided*. Subdivide by SBP-approved Forest Management Schemes:
 - Certified to an SBP-approved Forest Management Scheme 100% FSC certified
 - Not certified to an SBP-approved Forest Management Scheme -0%
- i. List all species in primary feedstock, including scientific name
scotch pine (Pinus sylvestris); spruce fir (Picea abies). birch (betula pendula)
- 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
- l. Volume of secondary feedstock: 1116 solid m³ of sawdust, Belarus*.
- m. Volume of tertiary feedstock: 0 m³

*- Compelling justification would be specific evidence that, for example, disclosure of the exact figure would reveal commercially sensitive information that could be used by competitors to gain competitive advantage. State the reasons why the information is commercially sensitive, for example, what competitors would be able to do or determine with knowledge of the information.

3 Requirement for a Supply Base Evaluation

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

SBP fuel pellets are produced of FSC-certified wood, i.e. 100 % of total pellet production is 100% ESC-declared. Supply base evaluation is not 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

Ministry of natural resources and preservation of the environment of the Republic of Belarus

Vitebsk regional committee of natural resources and preservation of the environment

Tolochin district inspection of natural resources and preservation of the environment

Lenina str., 1, 211092, Tolochin

Tel./fax (802136) 2 16 53. E-mail: tol_eco@vitebsk.by

__12.07.2016__ No. __111__

To No. _____ of _____

Peer review (independent estimation)

of Supply Base of GLHU "Tolochinskileshoz"

Within the framework of certification of legality and steadiness of feedstock resources which is used for production of fuel granules according to Sustainable Biomass Partnership (SBP).

In the course of harvesting and working out of forest resources GLHU "Tolochinskileshoz" uses them efficiently. In its activity Leshoz is guided by Forest codex and other normative and legal documents of the Republic of Belarus which are applied on forestry activity. Inexhaustible and renewable forest management and forest exploitation are the main guidelines at forestry managing in GLHU "Tolochinskileshoz".

All territory of forest resources of GLHU "Tolochinskileshoz" is certified in accordance with FSC system and PEFC. All requirements and norms for efficient observance of nature-conservative functions are definitely observed.

For production of fuel granules (pellets) primary feedstock (firewood) and secondary feedstock (wood chips, sawdust) are used. For pellets production the primary feedstock is not harvested at felling of main use (plantations over 50 years), firewood is harvested only at felling of intermediate use.

Our inspection tightly coordinates with GLHU "Tolochinskileshoz" in the field of forest conservation and observance of forest legislation.

Chief of Tolochin district

inspection of natural resources

and preservation of the environment

Signature

V.P.Pryadka

11.2 Public or additional reviews

Report version in Russian is placed on site GLHU “Tolochinski leshoz”
http://tolochinles.by/index.php?url=sert_sootv for public examination of all stakeholders.

After examination of Report all stakeholders can send their reviews on e-mail of GLHU “Tolochinskileshoz”
tolleshoz@yandex.by

The present report will be placed and send to public organizations.

12 Approval of Report

Approval of Supply Base Report by senior management			
Report prepared by:	<i>Morozova Natalia</i>	<i>Quality engineer of 2 category</i>	<i>30.05.2017</i>
	Name	Title	Date
<p>The undersigned persons confirm that I/we are member of the organization’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>Mikhail Nikolaevich Galik</i>	<i>Director of GLHU “Tolochinskileshoz”</i>	<i>30.05.2017</i>
	Name	Title	Date
Report approved by:	<i>Vasili Petrovich Khvashevski</i>	<i>Chief engineer</i>	<i>30.05.2017</i>
	Name	Title	Date

13 Updates

13.1 Significant changes in the Supply Base

The significant changes did not happen

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

3904 solid m3

13.5 Projected figures for feedstock over the next 12 months

4000 solid m3