Supply Base Report: BIOHITENERGY, Limited Liability Company

First Surveillance Audit

www.sbp-cert.org

Completed in accordance with the Supply Base Report Template Version 1.4

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

Document history

Version 1.0: published 26 March 2015

Version 1.1 published 22 February 2016

Version 1.2 published 23 June 2016

Version 1.3 published 14 January 2019; re-published 3 April 2020

Version 1.4 published 22 October 2020

Contents

1 Overview

Producer name: BIOHITENERGY, Limited Liability Company

Producer address: Sovetskya 96/13, Gomel region 247841 Lelchitsy Belarus

SBP Certificate Code: SBP-07-57

Geographic position: 51.7898, 28.3122

Primary contact: Yuri Moskalevich, +375 291 401 502,biohit2018@yandex.by

Company website: www.biohitenergy.by

Date report finalised: 22 Jan 2021

Close of last CB audit: 22 Jan 2021

Name of CB: NEPCon OÜ

SBP Standard(s) used: SBP Standard 2: Verification of SBP-compliant Feedstock, SBP Standard 4: Chain of Custody, SBP Standard 5: Collection and Communication of Data Instruction, Instruction Document 5E: Collection and Communication of Energy and Carbon Data 1.3

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

SBP Endorsed Regional Risk Assessment: N/A

Weblink to SBR on Company website: www.biohitenergy.by

Indicate how the current evaluation fits within the cycle of Supply Base Evaluations					
Main (Initial) Evaluation	**First Surveillance**	**Second Surveillance**	**Third Surveillance**	**Fourth Surveillance**	**Re-assessment**
☐	☒	☐	☐	☐	☐

2 Description of the Supply Base

2.1 General description

Feedstock types: Secondary

Includes Supply Base evaluation (SBE): No

Feedstock origin (countries): Belarus

2.2 Description of countries included in the Supply Base

Country: Belarus

Area/Region: Belarus

Exclusions: No

The supply base of Biohitenergy LLC the organization is Belarus. All the material that is used in the production of biomass comes from forestry enterprises that have a certificate of the FSC forest management system (3 FSC certified suppliers). All feedstock is originating from Belarus. Biohitenergy is a woodworking company that buys coniferous sawmill waste (sawdust, wood chips, wood shavings, slabs and edgings), in the reporting period, 10893.3 tons of raw materials were purchased for the production of pellets FSC 100%, SBP compliant feedstock.

Non certified feedstock was segregated and used only for briqut production.

General Description of Belarus Forest Resources and Forest Management

Forests cover app. 9,6209 mill. ha or 39,9 % of the country's territory (2020). Total standing stock reaches almost 1,8 billion m3 , while gross annual increment is more than 31,9 mill. m3 . In Belarus forest area per capita is 0,9 ha, or more than 180 m3 of wood. Together with the growth of total forest area, a steady increase of the areas with the maturing, mature and overmature forest stands is observed. During the last two decades the area of mature forest stands has increased more than twice.

Tree species composition is as follows: 50.3% Scots pine, 20.8% Silver birch, 10.0% Norway spruce, 7.0% black alder, 5.0% aspen and 6.9% other species. All these species are harvested and have commercial value for the woodworking sector. No tree species included in CITES and IUCN lists are commercially planted as well as harvested in Belarus.

All forests in Belarus belong to the state and they are managed by these institutions: Ministry of Forestry (87.9% of all forests), President Administrative Department (8,0% of all forests), Ministry for Emergency Situations (2.3% of all forests), Ministry of Defense (0,9% of all forests), National Academy of Science (0,4 % of all forests), local authorities (0,2% of all forests), Ministry of Education (0.3% of all forests).

Two main forest management certification schemes are present in Belarus: FSC and PEFC. By 1 st January 2019 8.3 mill. ha of forests were certified according to the FSC scheme (98.5 % of all forests). PEFC certified forests comprise of 8.0 mill. ha it's (95.0% of all forests) in Belarus. The process is still ongoing and certified forest area is increasing.

Protected Areas and High Conservation Value Forests

In Belarus an environmental protection system has been in place since 1960, when a Nature Protection Committee was established. Country has ratified the Convention on Biological Diversity in 1993. Belarussian system of specially protected areas accounts for 7,7% of the country's territory. However, together with the natural sites subject to special protection, such as water conservation zones and areas of habitat and growth of rare and endangered wild animals and plant species, this figure increases to 22.1% of the country's total area.

About 75% of the original Central European mixed forest cover is estimated to be lost. Pristine and relic stands of this forest type are believed to have been eliminated completely except in Belovezha Forest, which is located on the border between Belarus and Poland. It is one of the largest and best preserved forest tract in the lowlands of Europe. It still contains a wide array of old-growth forest stands representing all the major habitat types, a rich variety of wildlife and a still not sufficiently studied numerous lower plants, fungi and slime moulds. Belovezha national park has certified its forest management according to the PEFC system since 2012.

Forest and Wood-based Industry

In Belarus wood-based industry consists of forestry (13.5% of all production), wood processing (69.5% of all production), pulp and paper (16.4% of all production) sectors. State Forest Enterprises (“Leskhozes”) are also owning wood processing workshops, where logs from their forest are processed. In whole country there are 70 shops and 6 workshops, which processed more than 7.5 mill. m³ of wood every year.

In the middle of 2015, more than 75 wood processing and trading companies in Belarus had the FSC certificate. The average annual consumption of energy in Belarus is around 967 PJ, what is about 23 mill. tons of oil equivalent. It is estimated that Belarus has 611 mill. metric tons of carbon stocks in living forest biomass. Since 2007 organizations, belonging to the Ministry of Forestry, started production of wood-based renewable bioenergy. In 2013 more than 5,1 mill. m³ of wood-based biofuels were produced and in the beginning of year 2014 annual capacity for chips production reached 1,25 mill. m³ .

2.3 Actions taken to promote certification amongst feedstock supplier

Biogitenergy sources are not only FSC raw certified. Currently, the share of FSC certified wood is 79% of the supply. Non certified feedstock is used for briquet production. Records are kept separately. Therefore, priority is given to FSC-certified suppliers, and the FSC certificate is considered an advantage. Biohitenergy actively promotes the certification of sustainable forest management by the FSC system, as well as helping suppliers meet the requirements.

2.4 Quantification of the Supply Base

Supply Base

a. **Total Supply Base area (million ha)**: 9,62
b. **Tenure by type (million ha):**9.62 (Public)
c. **Forest by type (million ha):**9.62 (Temperate)
d. **Forest by management type (million ha):**9.62 (Managed natural)
e. **Certified forest by scheme (million ha):**8.30 (FSC)

Describe the harvesting type which best describes how your material is sourced: Mix of the above
Explanation: N/A

Was the forest in the Supply Base managed for a purpose other than for energy markets? Yes - Majority
Explanation: N/A

For the forests in the Supply Base, is there an intention to retain, restock or encourage natural regeneration within 5 years of felling? Yes - Majority
Explanation: N/A

Was the feedstock used in the biomass removed from a forest as part of a pest/disease control measure or a salvage operation? No
Explanation: N/A

Feedstock

Reporting period from: 2020-01-01

Reporting period to: 2020-12-31

a. **Total volume of Feedstock**: 1-200,000 m3
b. **Volume of primary feedstoc**k: 0 N/A
c. **List percentage of primary feedstock, by the following categories.**
    - Certified to an SBP-approved Forest Management Scheme: N/A
    - Not certified to an SBP-approved Forest Management Scheme: N/A
d. **List of all the species in primary feedstock, including scientific name:** N/A (N/A);
e. **Is any of the feedstock used likely to have come from protected or threatened species?** N/A
    - Name of species: N/A
    - Biomass proportion, by weight, that is likely to be composed of that species (%): N/A
f. **Hardwood (i.e. broadleaf trees): specify proportion of biomass from (%):** N/A
g. **Softwood (i.e. coniferous trees): specify proportion of biomass from (%):** N/A
h. **Proportion of biomass composed of or derived from saw logs (%):** N/A
i. **Specify the local regulations or industry standards that define saw logs:** N/A
j. **Roundwood from final fellings from forests with > 40 yr rotation times - Average % volume of fellings delivered to BP (%):** N/A
k. **Volume of primary feedstock from primary forest:** N/A N/A
l. **List percentage of primary feedstock from primary forest, by the following categories. Subdivide by SBP-approved Forest Management Schemes**:
    - Primary feedstock from primary forest certified to an SBP-approved Forest Management Scheme: N/A
    - Primary feedstock from primary forest not certified to an SBP-approved Forest Management Scheme: N/A
m. **Volume of secondary feedstock**: 1-200,000 m3
    - Physical form of the feedstock: Chips, Sawdust, Offcuts, Other (specify)
n. **Volume of tertiary feedstock**: 0 N/A
    - Physical form of the feedstock: N/A

Proportion of feedstock sourced per type of claim during the reporting period				
Feedstock type	**Sourced by using Supply Base Evaluation (SBE) %**	**FSC %**	**PEFC %**	**SFI %**
Primary	0,00	0,00	0,00	0,00
Secondary	0,00	100,00	0,00	0,00
Tertiary	0,00	0,00	0,00	0,00
Other	0,00	0,00	0,00	0,00

3 Requirement for a Supply Base Evaluation

Is Supply Base Evaluation (SBE) is completed? No

N/A

4 Supply Base Evaluation

4.1 Scope

Feedstock types included in SBE: N/A

SBP-endorsed Regional Risk Assessments used: N/A

List of countries and regions included in the SBE:

Country: N/A

Indicator with specified risk in the risk assessment used:
N/A

Specific risk description:

4.2 Justification

N/A

4.3 Results of risk assessment and Supplier Verification Programme

N/A

4.4 Conclusion

N/A

5 Supply Base Evaluation process

N/A

6 Stakeholder consultation

N/A

6.1 Response to stakeholder comments

N/A

7 Mitigation measures

7.1 Mitigation measures

N/A

7.2 Monitoring and outcomes

N/A

8 Detailed findings for indicators

Detailed findings for each Indicator are given in Annex 1 in case the Regional Risk Assessment (RRA) is not used.

Is RRA used? N/A

9 Review of report

9.1 Peer review

N/A

9.2 Public or additional reviews

N/A

10 Approval of report

Approval of Supply Base Report by senior management			
Report Prepared by:	**Yuri Moskalevich**	**Deputy Director**	**2021-01-22**
	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:	**Dzmitry Liakhavets**	**Director**	**2021-01-22**
	Name	**Title**	**Date**

Annex 1: Detailed findings for Supply Base Evaluation indicators

N/A