SBP audit report on Energy and GHG data (SAR)

(For Biomass Producers)

SBP certificate Holder number: SBP-01-57

SBP Certificate Holder name: Begoml Forestry Enterprise, State Forestry Institution

Reporting period: Dates From *01.01.2017* to *31.12.2017*

Static Date References (SDIs) included in this report: SBP-01-57-03

GENERALITIES

PART 1 – Administrative information

Basic information on the Certification Body (CB)

Date of audit (on site)	06.09.2018
Name of the Certification Body	NEPCon
Audit team members	Aliaksandr Zubkevich
Qualifications of team members	Mr. Aliaksandr Zubkevich has an education of engineer-economist in timber industry. He did a postgraduate study at the Belarusian State Technological University. Mr. Zubkevich passed the FSC FM/CoC Lead Auditor training course, as well as the Legal Source, ISO 14001 and SBP training courses. He has experience in assessing woodworking companies and SBP (pre-) assessments in Belarus.

General Information on the legal owner

Company name	Begoml State Forest Enterprise
Contact person on site	Artem Grigorjevich Zemchenok +375-29-5990029 email: zemchenok_a_g@rambler.ru
Contact person's function	Quality Engineer
E-mail	begom@vitebsk.mlh.by
Address(physical location of the biomass production unit) **Telephone**	Yukhnovtsa street, 21, 211730,Begoml, Dokshitsy district, Vitebsk region, Belarus +375215753144
Describe the location and the surroundings of the production unit: *(for example, in an industrial estate, in forest area, next to a sawmill, next to a harbour...)*	Next to a sawmill in the town of Begoml
Geographic coordinates of biomass production unit:	54.722550N, 28.057791E

Please indicate company office address if different from the production unit

Address	Vitebsk region, Dokshitsy district, 21 Yukhnovtsa street, Begoml

Description of activity occurring at this location	The company is involved in forestry, wood harvesting, wood working and trade both within the country and abroad
Telephone / Fax company office	+375215753554

Please indicate address of off-site storage, handling or trans-shipment facility, if any

Address	Train station Parafyanov,211710, Sovetskaya 24a street. Parafyanovo, Dokshitsy district, Vitebsk region, Belarus
Description of activity occurring at this location	Cargo train station
Telephone / Fax company office	+375215754662

Operating licence of the legal owner

Type and reference number	Certificate of state registration of non-commerce organization 300012800
Place and date of issue	Vitebsk, 10/08/2004
Issued by	Vitebsk regional executive committee

Certifications held by the legal owner (if applicable)

Certification type and reference number (SBP, ISO 9001:2000, ISO 14001:2004, SA 8000:2001, Other…)	FSC certificate SGS-FM/COC-007101
Place and date of issue	Johannesburg of South Africa, 06/02/2017
Certification Body	SGS South Africa(Pty)Ltd

Geographic location of the production unit

Insert the location of the biomass factory on a regional map:

Insert the location of any port facility on a regional map:

- Not applicable -

SECTION A: Input Groups for Biomass Production

Feedstock sourcing and certification

Introduction

This part has been designed for essentially **woody biomass.**

Nevertheless, please mention any other type of bio fuel that is used as feedstock if applicable.

On the following pages, it is necessary to list all the main sources of feedstock suppliers for each Input Group for Biomass Production.

Input Groups for Biomass Production shall be defined in compliance with the requirements specified in Instruction Document 5B, section 4.1 Setup of Input Groups for Biomass Production.

This Section (A) shall be completed for each Input Group for Biomass Production. **Use as many copies of the table as needed**.

Description of the Input Groups for Biomass Production

<table>
<tr><td colspan="3">FEEDSTOCK ID1 - Sawmill residues – for production -
(If different Input Groups for Biomass Production are used, please use one copy of this table for each.)</td></tr>
<tr><td>country / region of origin :
Republic of Belarus/Vitebsk region</td><td></td><td>mass ratio (this Input Group for Biomass Production / Total feedstock) for the Reporting Period: 100 % (m/m, wet basis)</td></tr>
<tr><td>Type, origin and form of the feedstock as received</td><td></td><td>Transport data</td></tr>
<tr><td>1) TYPE (Tick only one box),
☐primary feedstock from forests (products or residues)
☐woody energy crops (primary feedstock)
✓ wood industry residues (secondary feedstock)
☐post-consumer wood (tertiary feedstock)

2) PHYSICAL FORM More than one physical form is allowed in one group.)
✓sawdust
☐shavings
✓wood offcuts
✓wood chips
☐wood bark
☐roundwood
☐wood logs
☐tree bark</td><td></td><td>Select all types of vehicle used:
☐ conveyor belt
☐ truck
☐ train
☐ river boat
✓ other (specify MTZ tractor
Maximum distance to the BP per vehicle type used: 5,0 km
Average distance to the BP per vehicle type used: 0.1 km
93% of feedstock within 1,5 ratio of average distance
Average load per vehicle tonne:
2,18 metric tonne
In-forest use of chemicals - not applicable -
To be completed in compliance with ID5B section 5.2.
Per metric tonne of feedstock:</td></tr>
</table>

☐tree stumps ☐inhomogeneous form **3) CERTIFICATIONSYSTEM** *(Tickall that apply)* ☐none ✓ FSC ✓ PEFC ☐ SFI ☐other (specify)		1. Mass fertiliser in kg/metric tonne: N: 0 P_2O_5: 0 K_2O:0 CaO:0 2. Type of pesticide used: kg active substance/metric tonne: 0 **Energy use in forestry operations and chipping- not applicable -** *To be completed in compliance with ID5B section 5.3.* *Mass/Volume of fuel used per metric toneof feedstock*: 1. Type of fuel used:

In-forest use of chemicals (fertilisers)

To be completed in compliance with ID5B section 5.2.

Note: Operational data must should only be recorded only in the case of primary feedstock from woody energy crops.

- Tier 1: Fertiliser is rarely used in forestry, except in short rotation systems.
  In traditional forestry, the default will be 0.
  In short rotation systems, the values from Biograce will be used.

- Tier 2: The doses of fertiliser applied on the land throughout the rotation period need to be reported in kg fertiliser/metric tonne harvested wood (taking into account the total amount of wood harvested during the rotation period).
  Each type of fertiliserhas to be reported separately, for example, N, P_2O_5 and K_2O.
  Other types of fertiliser and other components of fertilisers do not need to be reported.

- Tier 3: Operational data may be recorded where this is done in compliance with the requirements of ID5B section 5.2.

In-forest use of chemicals (pesticides)

To be completed in compliance with ID5B section 5.2.

- Tier 1: The default value from Biograceshall be used:
  0.07654 kg/metric tonneroundwood.
  This value has been established for short rotation systems but can also be applied conservatively to traditional forestry.

- Tier 2: The dose of pesticide used in the forest throughout the rotation period needs to be reported in kg active substance/metric tonne harvested wood (taking into account the total amount of wood harvested during the rotation period). The concentration of the active substance is taken into account in the calculation.

- Tier 3: Operational data may be recorded where this is done in compliance with the requirements of ID5B section 5.2.

Energy use in forestry operations and chipping

To be completed in compliance with ID5B section 5.3.

As energy expenses in forestry are difficult to monitor, tier 1 or 2 can be used instead of tier 3.

- Tier 1: In the absence of readily available data, a default value maybe used:
1.67 litre diesel / metric tonneroundwood (computed from Biograce).

- Tier 2: If there arespecific data based on statistics for the relevant region, they can be used.

- Tier 3: All the fuel use throughout the rotation period is reported.
The amount is divided by the total amount of wood harvested during the rotation period (litre fuel / metric tonneroundwood).

Other relevant information, including justifications for data provided and methodologies used:

For production and heating - wood chips (made of slab wood) and sawdust (after sawmilling) are stored 100 m away from the pellet plant.

Validation by the CB

Parameter	Comments/information
Geographical origin of the feedstock used for making the pellets	What evidence was available on site to confirm this origin? (for example, CMR, supplier invoices, supplier contracts, registers) *Data from 1C bookkeeping program* Are the average distances validated by checking locations on a map? *The distance was checked on the production site.*
Types of feedstock	What evidence was available on site to confirm what type of feedstock is used? (for example, CMR, supplier invoices, supplier contracts, registers, physical evidence on site) *Data form 1C bookkeeping program,* physical evidence on site.
Transport systems	Was the auditor able to confirm the type of vehicles / transport facilities used to transport the feedstock to the production site? (visual checking?) *Transport was visually checked on the site*

Certification systems	If the delivered feedstock is wood certified against a recognised international forestry standard, please provide the approved certificate numbers or references. Please explain in detail what is covered by the wood certification scheme (for example, the BPitself, some of its suppliers, all of its suppliers, the feedstock). *All feedstock come from forest area of the BP and is FSC certified*

SECTION B: Energy use for biomass production

PART 2 – Biomass production chain

<table>
<tr><td colspan="3">General data</td></tr>
<tr><td rowspan="4">Annual production</td><td rowspan="2">Recent <u>effective</u> production:</td><td>Data should be based on the Reporting Period

8 201 metric tonnes of pellets/year

Alternatively, for a recently commissioned plant, please indicate the production volume achieved to date:

……. metric tonnes of pellets</td></tr>
<tr><td>The above reported production has been achieved during the following period: from 01.01.2017 to 31.12.2017</td></tr>
<tr><td>Production <u>capacity</u></td><td>8000 metric tonnes of pellets/year</td></tr>
<tr><td><u>Expected</u> production (if an expansion is expected) :</td><td>……. metric tonnes of pellets/year</td></tr>
<tr><td colspan="2">CB. What evidence is available to substantiate the reported annual pellet production?

Options include: internal registers, annual reports or sales documents.</td><td>Data from bookkeeping program 1C. This year the BP produced 8201 which is exceed estimated production capacity.</td></tr>
<tr><td colspan="2">Supplier of the processing equipment (mills, densifiers) if applicable</td><td>☐ Andritz (Sprout-Matador, ADR Geldrop)
☐ California Pellets Mill
☐ Kemyx
☒ Other, specify Munch</td></tr>
<tr><td colspan="2">Date of commissioning of the biomass production plant</td><td>02/2010</td></tr>
</table>

Describe the biomass production process, focusing on any variation from accepted practice, and including a detailed description of the processes undergone by feedstock.

In particular, at each stage, mention elements that might influence the calculation of the net fossil CO_2 emissions.

Production stage	Description
Feedstock delivery, storage and handling	• Delivery of fuel wood (together with saw logs) from logging sites by truck MAZ 6303 -for drier • Transportation of sawdust and wood chips from silo storage to an open storage by MTZ tractor • The delivery of sawdust and wood chips in production and burner from the open storage by MTZ loader
Feedstock preparation (crushing, drying, milling….)[1]	• Chipping of slab wood with MP-40 diesel chipper • Chipping of slab wood and offcuts by electric chipper Jenz • Drying sawdust and chips with a solid-fuel(chips) drum dryer
Pelletising	• Feeding of feedstock by pneumatic transport to a silo storage • Feeding from the silo storage to the conditioner to determine the moisture content of the feedstock • Feeding of feedstock into the granulator • Pelleting at 70-90 degrees without additives • Moving pellets into the cooler, big bags filling
Biomass storage, handling and shipping	• Loading of the pellet to a truck for transportation to the railway station by fork loader • Transportation of pellets to the railway station Parafyanov by truck • Overloading of pellets into hoppers with diesel auto crane with hydro manipulator • Transportation of pellets by diesel train

The description should include pictures of at least the following:

- Feedstock storage

[1] If any feedstock enters the site as logs, please specify clearly what machinery is used to crush the logs before they can enter the process together with the rest of the feedstock. In particular, the energy source used for this crushing must be stated and mentioned in section 4 of the document.

- 
- Overview of biomass manufacturing plant
- 
- Diesel chipper
- 
- Dryer(s) (if any)

- Press(es)

- Biomass storage and handling

A ground plan of the facilities and / or a flow chart should also be included if ava
A ground plan of the facilities and / or a flow chart should also be included if available.

This table should only be completed if no drying is undertaken.		
Moisture content	Initial moisture of the feedstock, as received	..... % (wet basis)
	Explain, with reference to its origin, why the moisture content of the feedstock is sufficiently low to enable the production of pellets without prior drying.	....
	Biomass moisture content	.... % (wet basis)

This table should only be completed if drying is undertaken.		
Dryer information	Manufacturer	*Munch*
	Type	✓ drum dryer ☐ belt dryer ☐ other (specify)……
	Energy carrier *(The energy carrier is the transfer medium circulated in pipes and used to transport the heat from the boiler/burner to the dryer.)*	☐ steam ☐ hot water ✓ hot air / flue gases ☐ other (specify)……
	Heat consumption *<u>If a heat meter is installed</u>, calculate how much heat energy from the boiler is provided to the dryer and give details of the calculation.* *<u>If no heat meter is installed</u>, there is no need to provide a figure.*	☐ heat meter installed : consumption = ...kWh / metric tonne reference period..... details of the calculation..... .....
		✓ no heat meter installed
Boiler / Burner / CHP information	Origin of the heat used in the drying process *<u>If a CHP is installed,</u> specify CHP efficiency.*	✓ conventional biomass boiler/burner ☐ conventional fossil fuel boiler/burner ☐ biomass CHP (combined heat and power) ☐ fossil fuel CHP (combined heat and power)
		CHP efficiency .....% = (valorised heat + net electricity) / primary energy input
Moisture content	Initial moisture of the feedstock	54.89 % (wet basis)
	If any of the feedstock is not fresh wood (moisture content <45%) explain its moisture content (for example, wood is from dead trees, sawdust is from an industry working with dry material).	....
	Moisture of feedstock at the dryer outlet, <u>if measured</u> (target moisture)	9,84% (wet basis)
	Moisture of the pellets (final moisture)	10,95% (wet basis)

Other relevant information, including justifications for data provided and methodologies used

The plant software provides the ability to monitor the moisture at all stages of preparation of feedstock for pelleting on the monitor screen.

Moisture is calculated as weighted average.

Validation by the CB

CB. What evidence / explanation was made available to the auditor to substantiate the moisture content of the feedstock: ☐weighted average of moisture measurements performed on each individual feedstock shipment (one measurement per delivery) ☒ typical values based on some moisture measurement (number of measurements available = continuous measurements by operating system.) ☐supplier / process specifications (documents available:.....) ☐other explanation: ..... ☐ no evidence or explanation available

PART 2 –Energy use

For each of the energy sources used in the production process, a detailed evaluation must be provided using the tables on the following pages. The description is based on three categories of energy sources: electricity, fossil primary energy, and non-fossil primary energy (biomass).

Electricity

Give the origin of the **electricity** used in the biomass production process.	✓ from network ☐ own generation ☐genset ☐**fossil** cogeneration plant ☐**bio**cogeneration plant ☐ wind or solar farm ☐ other (specify) ……	100% – – – % – – – % – – – % – – – % – – – %
If the electricity is from the network, please indicate how many kWh-meters cover the pellets production unit:	1	
Electricity consumption	1233888/8201=150,46 kWh / metric tonne pellets	
List the process steps/machinery using electricity:	Chipping process (1 external chippers), milling process, drying process, pelleting process, cooling, lightning.	
Explain **how** this energy consumption has been **evaluated**: *The **calculation method** based on electricity **invoices** is the most accurate and reliable one. This method must be used if feasible.* *The **reference period** to assess electricity consumption must be **one year** unless it can*	☐ invoices of external electricity supplier and biomass production achieved, during the following period: …… ☐ specific fuel consumption and electrical efficiency of installed cogeneration plant and biomass production ✓ a theoretical evaluation based upon specific consumption of installed machinery and nominal production capacity of the plant (electric chipper)	

be justified that it is not feasible (for example, newly commissioned facilities).	✓ Other explanation: One kWh-meter covers pellet plant and this data is available for every month
CB. If the calculation method is not based on invoices verification, explain why:	Electric chipper Jenz is covered by Kwh meter of sawmill
CB. If a reference period other than 12 months has been used to assess the specific electricity consumption, justify why:	.....
CB. Provide the full calculation resulting in the energy consumption shown above:	1.233.888/8201=150,46 kWh / metric tonne pellets. One kWh-meter covers pellet plant and this data is available for every month (1.126.525 kWh). Additionally, calculation done for electric chipper Jenz (107.363 kWh total). Theoretical approach for the electric chipper Jenz used is based upon specific consumption of installed machinery (75 kW engine, load factor is 0,5 based on experimental measurements) and hours (2863 h).

Natural Gas -not applicable -

Other fossil fuels

Specify any**fossil** primary fuels),other than natural gas used asanenergy source in the biomass production process. If any fossil fuelsare used, specify in which part of the process: ✓ handling ✓ chipping / crushing ☐ drying ☐ other (specify)…….	☐ industrial gas ✓ diesel oil ☐ propane ☐ waste heat fossil boiler (specify fuel)..... ☐ waste heat fossil CHP (specify fuel)..... ☐ other (specify)…….

Each fossil energy source must be described in detail in the table hereunder. Use as many copies of this table as necessary in order to cover each fossil fuel.

Fossil fuel 1 *(specify):*Diesel	*(Use one table for each applicable fossil fuel.)*
Fuel consumption *(Please report in litres or kgs for liquid fuel, and in kg for solid fuels.)*	90 MJ / metric tonne 2,51 litres / metric tonne pellets ……kgs / metric tonne pellets
Step of the process/machinery using fossil fuels	☐ Transportation of sawdust and chips from storage bins to an open storage warehouse by MTZ 82 tractor ☐ Supply of sawdust and chips in production from the open storage warehouse by the MTZ loader

	□ Crushing of the slabwood and fuelwood with a diesel chipper MR-40-01 □ Loading the transport pellet to the railway station Parafyanov
CB. H**ow** has this energy consumption been **calculated**:	☐ invoices from fuel suppliers, for the following period: …….. ☐ fuel consumption monitored by the supplier for the following period: …… ☒ a theoretical calculation based upon specific consumption of installed machinery…… ☐ other method: .....
CB. Provide the full calculation that results in the energy consumption shown above:	**Transportation of sawdust and chips from sawmill storage bins to the pellet factory open storage warehouse** Transportation is carried out with the MTZ-82 tractor. Fuel consumption of the tractor for 1 trip MTZ-82 - 0.19 liters. The average loading of one trip is 3.54 m3. Number of trips MTZ 19.689,79/3,54 = 5562 The fuel consumption for transportation was 5562 x 0.19 =1056.8 l **Supply of sawdust and chips in production from the open storage warehouse by the MTZ loader** During the reporting period pellet production used 19.689.79 m3 of sawdust and chips. The filing of hopper by sawdust and chips from the open storage warehouse was carried out by the MTZ loader. The fuel consumption in accordance with established norm 1.02 l / t pellets. The fuel consumption was 8201 x 1,02 = 8365 l **Crushing of the slabwood with a chipper MR-40-01** For the reporting period was processed into chips 1693.75 M3 of slabwood. The rate of fuel consumption is 1.84 l / M3. The fuel consumption is: 1693,75 * 1,84 = 3116,50 liters. **Crushing of the fuelwood for drier with a chipper MR-40-01**

	For the reporting period was processed into chips 3448 M3 of fuelwood. The rate of fuel consumption is 2.11 l / M3. The fuel consumption is: 3448 * 2,11 =7275,28 liters. **Loading of the transport pellet to the railway station Parafyanov** During the reporting period, all forklifts in the pellet shop were handled by the HCCPCD 50KW forklift. Its consumption of diesel fuel is 3.3 l / h. Time to load one machine is 31 minutes. The average load of one machine is 17.02 tons of pellets. 3.3 x 0.51 = 1.68 liters of diesel to load one machine. Or 1.68 / 17.02 = 0.10 liters of diesel / t pellets. Total 1056.8+8365+3116,50+7275,28=19813.58 19813.58/8201=2.41 2.41+0.1=2.51 l 2.51*35.86=90 MJ / metric tonne

Biofuel primary energy

Specify any **non-fossil** bio fuel used as an energy source in the biomass production process. If any biomass is used, specify in what part of the process: ✓drying ☐ other (specify)……	☐ wood pellets ☐sawdust / shavings ☐ wood chips ☒ logs / roundwood ☒ branches, offcuts, tree stumps.... ☐ barks ☐non woody biomass (specify) ……

Each bio energy source must be described in detail in the table below. Use as many copies of this table as necessary in order to cover each type of bio fuel.

Biofuel 1 *(specify):*	Fuel wood
Moisture contents	54.89 % wet basis
Origin of the bio fuel (Please tick only one box; if several boxes are applicable, use additional copies of this table.)	Origin ☐diverted from biomass process ☐from sawmills / wood industry ☒from forest harvesting/thinning ☐other.... Transport

	☐ locally available (i.e. from own process or from next door sawmill or industry) ☒ transported by ☒ truck ☐ train For 29 km Average distance for timber delivering is 29 km (average for supply base) – one way, Maximum is 60 km. Fire wood has less economic value then roundwood and is transported less from most faraway harvesting plots.
Fuel consumption	tonne bio fuel/tonne pellets: 0,24 1658,45 MJ MJ/ ton (FAO Wood Fuel Handbook)
CB. Provide the full calculation that results in the fossil fuel consumption shown above:	The amount of material used in the dryer is recorded and thus known – 3163.23 solid m3 of chips. 3163.23 m3*0.616 t/m3 =1948.54968 t 1948.54968/8201=0.2376 0.2376*6980 MJ (FAO Wood Fuels Handbook, moisture 55%)=1658,448 To calculate the MJ per tonne of material FAO Wood Fuels Handbook was used.

Other relevant information, including justifications for data provided and methodologies used.

Diesel consumption is calculated on theoretical basis for every production operation where vehicles are involved, since all vehicles are not fully engaged for pellet production operations, but for other tasks too. Total absolute consumption of diesel calculated for pellet production is divided to number of tons produces.

Amount of biofuel used for heating purposes:
Fuel wood is defined according to normative approach defined by the plant;

Lower heating value of fuels are defined according to following sources:
Woody fuel: Wood Fuel Handbook;
Diesel: BiograceII values.

SECTION C: Energy use for transport of biomass

This Section (C) shall be completed for each Static Data Indicator (SDI).

Use a separate copy of the table to describe each SDI.

Static Data Indicator:SBP-01-57-03

PART 1 –General transport data

Transport scheme

✓Inland road transportation

Road distance **K**=40 km Load of the trucks **Q**=17.02 metric tonnes	Transportfrom/to: From City/Town of Begoml To City/Town of Parafianov ✓ train station ☐seaharbour ☐ river harbour ☐ power plant	Truck powered by: ✓ fossil dieseloil ☐ bio-diesel ☐ bio-ethanol ☐ other .....

✓Inland railtransportation

Distance **K**=189 km Load of the wagon **Q**= 50metric tonnes	Station of origin: City/Town of Parafianov Transport to: City/Town of Bigosovo ✓ train station ☐seaharbour ☐riverharbour ☐ power plant	Train powered by: ☐ electricity ✓ diesel oil ☐ bio-diesel ☐other .....

☐Inland river transportation (flatboats)

☐International sea or river transportation

Validation by CB

The auditor must review the information delivered above and verify the data focusing on two parameters that play an important role in the CO_2 emissions:

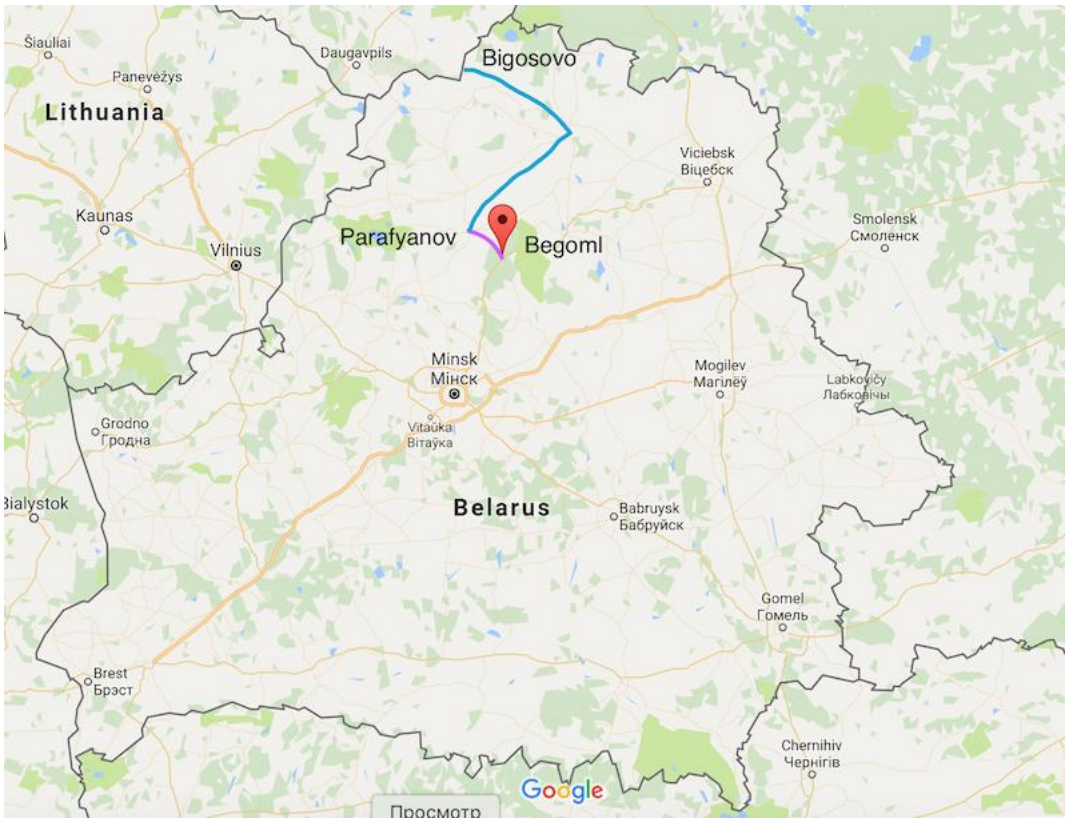
- type of vehicles used for transport (*visual check of vehicles / transport facilities on site*)
- destination and distances (*to be checked on a map*)

The auditor must add a map and should comment on the validation of the transport scheme as necessary.

Transport scheme is validated based on maps and type of vehicles used. Visual evaluation of the trucks at the site and trains used.

Geographic map:

Pink line –truck delivery to train station Parafyanov
Blue line – diesel train delivery to border with Latvia – Bigosovo



PART 2 –Sea transport

Not applicable

PART 3 –Storage, handling and trans-shipment

Description of any storage, handling or trans-shipment	Unloading of trucks and loading of hoppers by diesel crane.
Quantity of biomass handled at the different storage, handling and trans-shipment locations	8201 t
Energy usage data	0.19 l/t – unloading of 1 t of pellets, 0.33 – loading to hopper of 1 tonn of pellets. 0,19+0,33=0,52l diesel/t of pellets, or 0,52*35,86= 18,6MJ/t
Justification for the approach followed and the values provided	Fuel consumption for unloading and hopper-loading processes were measured and defined consumption per ton of pellets.

Other relevant information, including justifications for data provided and methodologies used.

Pellets are loaded to the truck by a fork loader (this fuel consumption is included in production process). One truck carries 17.02 t of pellets and delivers them to 40 km one way. Fuel consumption of this truck is 36 l/100km. Fuel consumption for this delivery is calculated for 80 km (round rout). Full load coefficient is 1,3.
36/100*40 + (36*1,3)/100*40 = 33,12/17,02 = 1,95 l diesel / MT of pellets,
or 69,9 MJ/MT of pellets.

PART 4 – Dynamic Batch Sustainability Data

Record all biomass supplied with Dynamic Batch Sustainability data (as defined in Instruction Document 5A section 2.3) during the reference period

Biomass Category	Tonnage
NA	NA

Contact details and audit report signature

Certificate Holder

Date	06/09/2018
Name, signature and optional stamp of representative filling in the declaration	Artem Zamchenok 

Auditor

Title (Mr/Mrs/Miss/ Ms? Dr)	Mr
Name of the auditor	Aliaksandr Zubkevich.
Name of the Certification Body	NEPCon OÜ
Address	Street: Filosoofi 31 City:… Tartu ….Postcode 50108 Country: … Estonia
Contacts	Tel :… , +420 606 730 382. Fax: …… e-mail:… ot@nepcon.net,.

Signature of the auditor

Date	06.09.2018
I certify that the data gathered in this form has been checked and validated in compliance with SBP Standard #5 and SBP certification procedures. **Signature**	

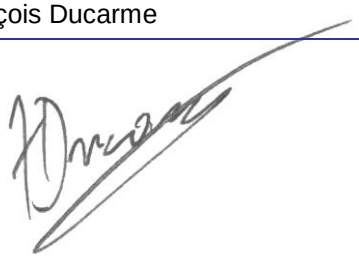
Technical reviewer

Date and place	18/09/2018 Brno, Czech Republic
Name of the reviewer	Eva Komárková
I certify that the data gathered in this form has been checked and validated in compliance with SBP Standard #5 and SBP certification procedures. **Signature**	

Certification decision maker

Date and place	18/09/2018 Madrid, Spain
Name of the Certification decision maker	Pilar Gorría Serrano
I certify that the data gathered in this form has been checked and validated in compliance with SBP Standard #5 and SBP certification procedures. **Signature**	

SAR Validation

Date and place	28 September 2018, Belgium
Name of the reviewer	François Ducarme
I certify that the data gathered in this form has been checked and validated in compliance with SBP Standard #5 and SBP certification procedures. **Signature**	

SAR Validation SBP Chief Executive Officer

Date and place	28 September 2018, Germany
Name of the SBP CEO	Carsten Huljus
I certify that the data gathered in this form has been checked and validated in compliance with SBP Standard #5 and SBP certification procedures. **Signature**