Norske Skog
Golbey

Environmental

RESULTS #2024

GENERAL DATA

Newsprint production:
277 100 tons

Shipments:
20,8% by rail
79,2% by road

Raw Materials
Composition: 100% recovered paper

Consumption: 393 897 tons / year

Source: France (91,5%)

DATA RELATED TO THE AIR (measurement carried out by the Cofrac agency)

		Average	Prefectoral order (hourly limit)
Dust	mg/Nm^3	6,3	30
CO (carbon monoxyde)	mg/Nm^3	32,5	100
NOx (nitrogen)	mg/Nm^3 eq NO_2	332,4	400
TVOC (Total Volatile Organic Compound)	mg/Nm^3	5,3	20
SOx (sulfur)	mg/Nm^3 eq SO_2	12	200
HCl (hydrogen chloride)	mg/Nm^3	7,7	60
Hg (mercury)	mg/Nm^3	0,004	0,05
HF (hydrofluoric acid)	mg/Nm^3	0,02	4
Cd + Tl (cadmium and thallium)	$\mu g/Nm^3$	0,36	50
PCDD/PCDF (dioxines and furans)	ng/Nm^3	0,002	0,1
9 metals (Sb+As+Pb+Cr+Co+Cu+Mn+Ni+V)	$\mu g/Nm^3$	110,8	500
13 metals (As+Cr+Co+Cu+Sn+Ni+Pb+Sb+Mn+V+ Se+Te+Zn)	$\mu g/Nm^3$	209	5 000

DATA RELATED TO WATER

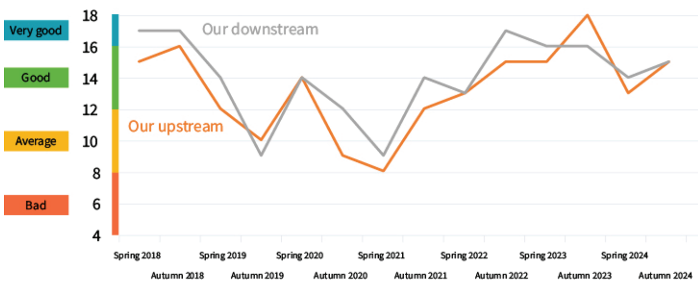
Extracted volume: 18,3 m^3 / t
Rejected volume: 16,1 m^3 / t

Nature of the effluents
(Annual results converted in kg per day)

	Effluent composition (kg/day)	Prefectoral order Annual results (kg/day)
COD (Chemical Oxygen Demand)	1 651	3 000
SPM (Suspended Particulated Matter)	131	200
BOD (Biological Oxygen Demand)	29	187
NTK (Nitrogen)	53	100
Phosphorus	3	20

Quality of the Moselle River - IBGN

IBGN biotic index enables us to analyse the ecological state of the water from a river based on its fauna.

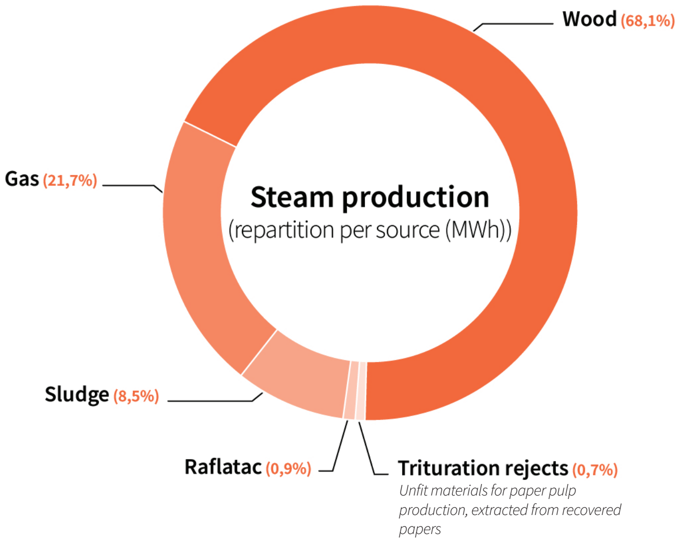


DATA RELATED TO ENERGY

Total energy consumption:
916 898 MWh

Electricity
Electric consumption: **342 672 MWh**

Steam
77% from renewable sources
23% from fossil fuels



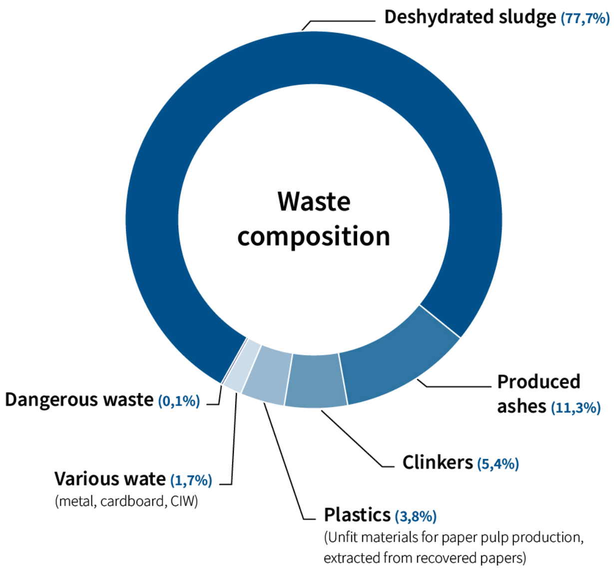
DATA RELATED TO WASTE MANAGEMENT

Total volume: **160 682 tons**

96,2% of the waste recovered in energy on site and in energy + materials in approved waste sorting centers

3,8% of the waste buried by approved waste centers

Combustion waste from the boiler
8 686 tons of clinkers
18 175 tons of ashes



CARBON FOOTPRINT

Carbon Footprint: 234,4 kg / ton of paper
according to CEPI's methodology (scopes 1-2-3, excluding deliveries to the customers)

= **25% decrease** since 2015 (scopes 1 and 2)

	kg CO2eq.-emissions / ton
Forest Management, use of harvesting equipment, truck loading	-
Purchased non wood raw materials	
Pigments	0,03
Binders	-
Chemicals	55,49
Recovered paper Collecting, sorting, processing	39,49
Pulp	-
Transport	
Incoming raw materials	6,08
Outgoing (excluding paper)	2,74
Purchased energy Electricity	38,09
Fossil combustion:	
Combined heat & power (CHP)	81,43
To generate heat / steam	7,35
To generate electricity	-
For internal transport	3,73
Customer In general paper does not release greenhouse gas emissions during use. Emissions from use of product are outside of the scope.	-
End of life In general paper is recovered and fibres are reused several times before used as an energy source. Use of the product at end of life is outside the current scope.	-
Avoided emissions Avoided emissions may be difficult to identify or justi-fiy. Case by case justification needed.	-
Activity impacting positively the carbon footprint Offsetting activity	-

CERTIFICATIONS & LABELS

Norske Skog Golbey certifications and awards:

LRQA CERTIFIED ISO 9001

LRQA CERTIFIED ISO 14001

LRQA CERTIFIED ISO 50001

Please scan this QR Code to find out our certification!

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