

2.1 - Wood Processing

Category Code	Method	AD	EF
2.1	T1	NS	CS
Method(s) applied			
D	Default		
T1	Tier 1 / Simple Methodology *		
T2	Tier 2*		
T3	Tier 3 / Detailed Methodology *		
C	CORINAIR		
CS	Country Specific		
M	Model		
* as described in the EMEP/EEA Emission Inventory Guidebook - 2019, in category chapters.			
(source for) Activity Data			
NS	National Statistics		
RS	Regional Statistics		
IS	International Statistics		
PS	Plant Specific		
As	Associations, business organisations		
Q	specific Questionnaires (or surveys)		
M	Model / Modelled		
C	Confidential		
(source for) Emission Factors			
D	Default (EMEP Guidebook)		
CS	Country Specific		
PS	Plant Specific		
M	Model / Modelled		
C	Confidential		

NO _x	NM VOC	SO ₂	NH ₃	PM _{2.5}	PM ₁₀	TSP	BC	CO	Heavy Metals	POPs
NA	-/-	NA	NA	-/-	-/-	-/-	NE	IE	NA	NA
L/-	key source by L evel only									
-/T	key source by T rend only									
L/T	key source by both L evel and T rend									
-/-	no key source for this pollutant									
IE	emission of specific pollutant I ncluded E lsewhere (i.e. in another category)									
NE	emission of specific pollutant N ot E stimated (yet)									
NA	specific pollutant not emitted from this source or activity = N ot A pplicable									
*	no analysis done									

This industrial sector essentially includes the production of chipboards. It's of minor meaning with view on emissions.

Chipboards are made from wood chips with added binders under the influence of pressure and heat. The main source of NMVOC emissions are the wood chips used, from which NMVOCs are emitted during drying due to the effect of heat. NMVOC can also be emitted from wood and binder during the pressing process.

CO emissions from the fuel use for production steam are allocated under 1.A.2.

Chipboards are produced in about 20 plants in Germany with the industrial sector being dominated by few larger companies.

Activity data

The activity data are taken from the national statistics ¹⁾, but must be converted from volume to mass data for further use.

Table 1: Produced amounts, in 10⁶ metric tonnes [t]

1990	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
5,436	5,302	5,859	6,108	4,991	4,402	4,585	4,709	4,562	4,490	4,431	4,776	4,366	4,041	4,006

Emissions factors

The emission factors of 0.9 kg/t for NMVOC and 0.3 kg/t for PM were estimated on the basis of expert judgements.

Recalculations

Recalculations against the previous submission occur for several years of the time-series and due to revised activity data:

Table: Revised annual activity data, in [kt]

	1990	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023
current submission	5,436	5,302	5,859	6,108	4,991	4,402	4,585	4,709	4,562	4,490	4,431	4,776	4,366	4,041
previous submission	5,436	5,710	6,310	6,575	4,561	4,402	4,560	4,709	4,322	4,490	4,431	4,775	4,366	4,060
absolute change	0.00	-408	-451	-467	430	-0.05	24.72	-0.48	240	0.00	0.00	0.00	0.00	-18.6
relative change	0.00%	-7.14%	-7.14%	-7.11%	9.43%	0.00%	0.54%	-0.01%	5.56%	0.00%	0.00%	0.00%	0.00%	-0.46%

¹⁾ Federal Statistical Office, reporting numbers until 2018: 1621 13 131; 1621 13 133; 1621 13 163; 1621 13 500, reporting numbers from 2019: 162112001, 162112002, 162112003, 162113160, 162114190, 162114500, converted and summarised in tonnes