2.L(b) - Diffuse Emissions from Industrial Establishments

Short description

NFR category *2.L(b) - Diffuse Emissions from Industrial Establishments* includes also diffuse emissions from enterprises in general kind.

Methodology

As no detailed data are available and as *NFR 2.L(b)* is no key category, all emissions are calculated via a tier1 method. Estimations are based on an European method computing emissions per person of population.

Activity data

Table 1: Population development in Germany since 1990, in Mio inhabitants

	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
population	79.75	81.31	81.46	81.34	81.17	80.99	80.76	80.48	80.28	80.27	80.52	80.77	81.20	82.18	82.52	82.79	83.02	83.17	83.16

Emission factors

Emission factors originate in the results of a research project with respect to the European RAINS model. - The EF time series for all three fractions of particulate matter show a falling trend.

Table 2: EF used for 2019 emissions estimates, in kg/capita

Total suspended particles - TSP	0.3052
PM_{10}	0.1008
$PM_{2.5}$	0.0336

Discussion of emission trends

The diffuse particulate matter emissions reported here, depend on (a) the number of inhabitants in Germany, serving as activity data, and (b) on the trend in emission factors that shall reflect the efforts to prevent such particle emissions. Hence, the emission time-series for all three fractions of particulate matter show a downward trend.

As for submission 2021 activity data for 2019 could not be derived from national statistics, amounts of goods transported for 2018 were applied for 2019, too. With the current submission, these data are replaced with original 2019 activity data, resulting in correspondingly revised emission estimates.

Planned improvements

There are no specific improvements planned for this emission source category.