1.B - Fugitive Emissions from fuels (OVERVIEW)

Short Description

image Zollverein.jpg size="medium"During all stages of fuel production and use, from extraction of fossil fuels to their final use, fuel components can escape or be released as fugitive emissions.

While NMVOC, TSP and SO,,x,, are the most important emissions within the source category *solid fuels*, fugitive emissions of oil and natural gas include substantial amounts of NMVOC and SO,,x,,.

1.B - “Fugitive emission from fuels” consist of following sub-categories:

NFR-Code	Name of category
1.B.1	Solid Fuels
1.B.2	Oil and Natural Gas
1.B.3	Geothermal Energy

Trends in emissions

Following chart provides emission trends for main pollutants in NFR 1.B. (click to enlarge): <image Overview_EM_1B.JPG size="medium" viewer="yes"

Please refer to sub-categories for more details!.

++ Proportional share of fugitive emissions concerning emissions of the energy sector and national total amounts

~ pollutant	~ fugitive amount in year 2018	~ share within the energy sector	~ share within the national inventory
~ NO,,x,,	> 1,77 kt	> 0,18%	> 0,14%
~ NMVOC	> 43,38 kt	> 20,65%	> 4,17%
~ SO,,x,,	> 5,98 kt	> 2,72%	> 1,54%
~ PM,,2.5,,	> 0,93 kt	> 1,61%	> 0,89%
~ PM,,10,,	> 4,60 kt	> 5,94%	> 2,08%
~ TSP	> 14,00 kt	> 13,90%	> 4,10%

The following charts show the contribution of the main pollutants of the NFR sector 1.B for 1990 and 2018. Click any chart to enlarge.

= **Pollutant**	= **1990**	= **2018**
~ Nitrogen dioxide	image NOx1990.jpg size="small"	image NOx2018.jpg size="small"
~ Carbon monoxide	image CO1990.jpg size="small"	image CO2018.jpg size="small"

~ NMVOC	image NMVOC1990.jpg size="small"	image NMVOC2018.jpg size="small"	
~ Sulphur dioxide	image SOx1990.jpg size="small"	image SOx2018.jpg size="small"	
~ Particulate Matter	image PM1995.jpg size="small"	image PM2018.jpg size="small"	
~ Ammonia			

all ammonia emissions occur in NFR sector 1.B.1.b - “Solid Fuel Transformation” _ _ ||

+ Recalculations

Recalculations covering the past two years have been carried out as a result of the provisional nature of a number of statistics in this area.

> For **pollutant-specific information on recalculated emission estimates reported for Base Year and 2015**, please see the pollutant specific recalculation tables following chapter 8.1 - Recalculations].