

# 2.L - Other Production, Consumption, Storage, Transportation or Handling of Bulk Products

## Short description

NFR 2.L includes particulate matter emissions from the handling of bulk products (2.L(a)) and diffuse emissions from industrial establishments (2.L(b)).

Category Code	Method					AD					EF				
2.L(a) Handling of bulk products	T1					NS					CS				
2.L (b) Diffuse emissions from industrial establishments	T1					NS					CS				
Key Category	SO <sub>2</sub>	NO <sub>x</sub>	NH <sub>3</sub>	NMVOC	CO	BC	Pb	Hg	Cd	Diox	PAH	HCb	TSP	PM <sub>10</sub>	PM <sub>2.5</sub>
2.L	-	-	-	-	-	-	-	-	-	-	-	-	L/T	L/-	L/-

**T** = key source by Trend **L** = key source by Level

Methods	
<b>D</b>	Default
<b>RA</b>	Reference Approach
<b>T1</b>	Tier 1 / Simple Methodology *
<b>T2</b>	Tier 2*
<b>T3</b>	Tier 3 / Detailed Methodology *
<b>C</b>	CORINAIR
<b>CS</b>	Country Specific
<b>M</b>	Model

\* as described in the EMEP/CORINAIR Emission Inventory Guidebook - 2007, in the group specific chapters.

AD - Data Source for Activity Data	
<b>NS</b>	National Statistics
<b>RS</b>	Regional Statistics
<b>IS</b>	International Statistics
<b>PS</b>	Plant Specific data
<b>AS</b>	Associations, business organisations
<b>Q</b>	specific questionnaires, surveys
EF - Emission Factors	
<b>D</b>	Default (EMEP Guidebook)
<b>C</b>	Confidential
<b>CS</b>	Country Specific
<b>PS</b>	Plant Specific data

Within the NFR tables, category 2.L is displayed to include emissions from “other production, consumption, storage, transportation or handling of bulk products”. Here, Germany reports particulate matter (PM) emissions from both the handling (loading and unloading) of bulk goods as well as diffuse PM emissions from industrial establishments.

Therefore, in the understanding of the inventory compiler, respective *emissions from storage, handling and transport of mineral, chemical and metal products* (NFRs 2.A.5.b, 2.B.10.b und 2.C.7.d) are included here.

Even though these emissions are reported as a sum under NFR 2.L, the party here separately provides additional data and information regarding emission from the handling of bulk products and from industrial establishments.

For **detailed information** on the **methods, activity data and emission factors** applied for the two underlying emission sources, please refer to the **sub-chapters** linked above.

## Discussion of emission trends

Table: Outcome of Key Category Analysis

Key Category	SO <sub>2</sub>	NO <sub>x</sub>	NH <sub>3</sub>	NMVOC	CO	BC	Pb	Hg	Cd	Diox	PAH	HCB	TSP	PM <sub>10</sub>	PM <sub>2.5</sub>
2.L	-	-	-	-	-	-	-	-	-	-	-	-	L/T	L/-	L/-

In general, diffuse particulate matter emissions depend strongly on the amounts of dry bulk goods handled and transported. In addition, due to efforts to prevent such particle emissions, the time series of the emission factors applied for all three fractions of particulate matter show a falling trend.

## Recalculations

With both activity data and emission factors remainin unaltered compared to the previous submission, emission estimates remain unrevised, too.

## Planned improvements

For improvements planned for NFR sub-categories 2.L(a) and 2.L(b) please refer to the corresponding sub-chapters linked above.