

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

## Short description

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, this report provides separate specific information regarding emission from the handling of bulk products (2.L(a)) and from industrial establishments (2.L(b)). For these **detailed information**, please refer to the **sub-chapters** linked above.

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

## Methodology

For specific information on applied methods, activity data and emission factors please refer to the sub-chapters linked above.

## Discussion of emission trends

Table: Outcome of Key Category Analysis

|      |            |                        |                         |
|------|------------|------------------------|-------------------------|
| for: | <b>TSP</b> | <b>PM<sub>10</sub></b> | <b>PM<sub>2.5</sub></b> |
| by:  | 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.