

## 2.B.7 - Soda Ash Production

### Short description

Category Code	Method					AD					EF				
2.B.7	T1					NS/ PS					C				
	NO <sub>x</sub>	NM VOC	SO <sub>2</sub>	NH <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>	TSP	BC	CO	Pb	Cd	Hg	Diox	PAH	HCB
Key Category:	-	-	-	-/-	-	-	-/-	-	-	-	-	-	-	-	-

**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

In Germany, soda ash is produced in three production facilities, all of which use the Solvay process. The production data is thus confidential.

### Method

#### Activity data

The total amounts of soda ash produced in Germany are determined with the help of two data suppliers. The Federal Statistical Office has long time series for this area. Due to the presence of a nearly inexplicable trend in the data of the Federal Statistical Office for the period since 2015, the relevant producers were contacted, and in 2021 cooperation agreements were signed with both producers (for all three production sites). The German Environment Agency (UBA), which consolidates the relevant data, has decided that as of 2013 the pertinent time series is to be filled with the producers' data (this overlaps with a comparison carried out for the period 2013 through 2021). Since Germany has only two producers, the production-quantity data from the two sources must be kept confidential.

#### Emission factor

Emission factors (for TSP and NH<sub>3</sub>) are confidential due to restrictions on activity data.

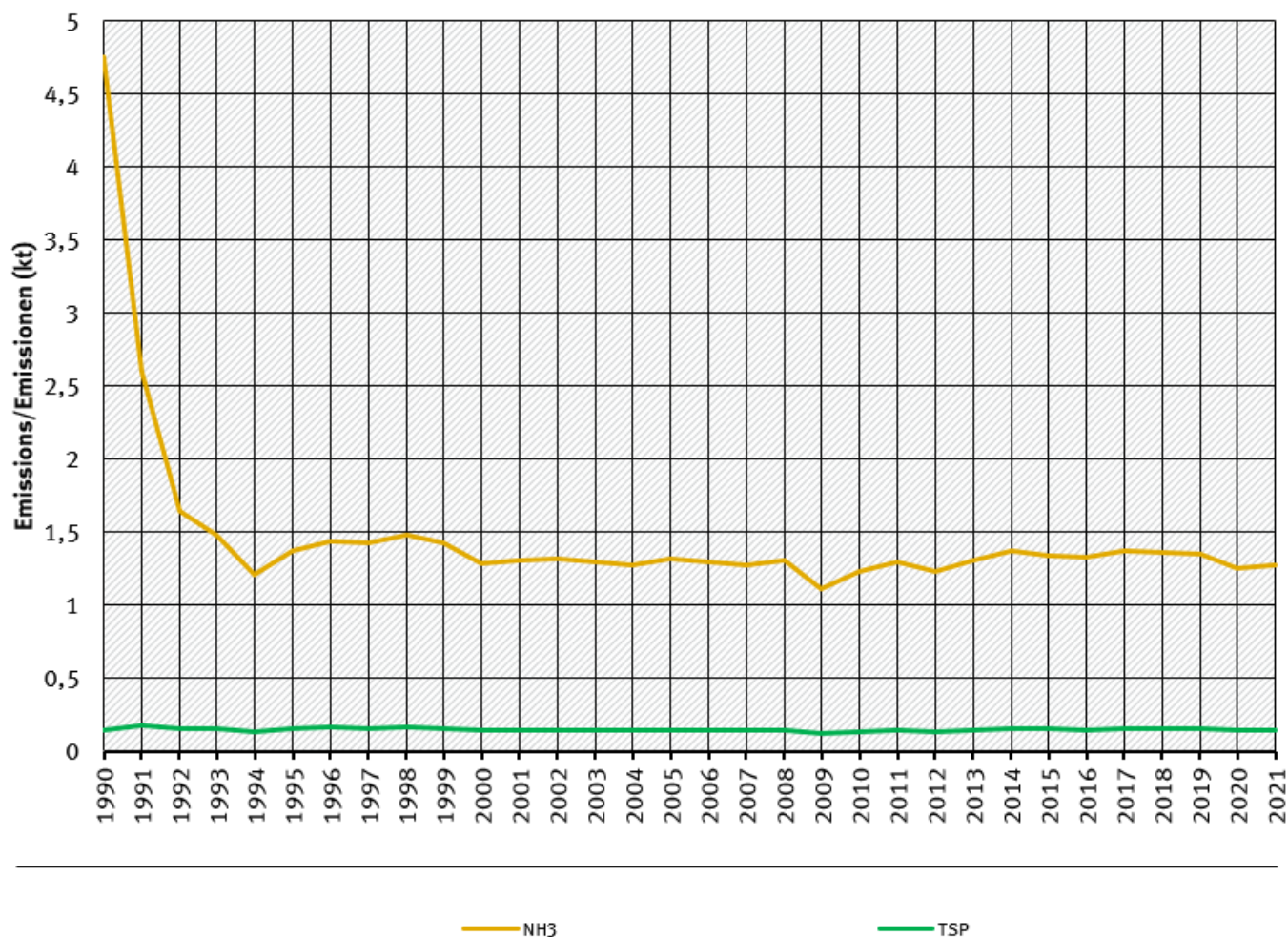
## Discussion of emission trends

The steep reduction—especially for  $\text{NH}_3$ —at the beginning of the 1990s was due to closures in the eastern German industrial sector. For the year 1990 in the case of TSP for eastern Germany, a summary figure is reported for the Chemical Industry as a whole. However, after 1992, emissions of  $\text{NH}_3$  occur at a lower level.

All trends in emissions correspond to trends of emission factors. No rising trends are to identify.

## trends of emissions of Soda Ash Production

### Emissions by pollutant / Emissionen nach Schadstoff



\* Base Year for PM = 1995 / Basisjahr für Feinstäube (PM) ist 1995

Source: German Emission Inventory (20.01.2023)

## Emission trends in NFR 2.B.7

### Recalculations

With EF and AD remaining unrevised, recalculations were not necessary.



For **pollutant-specific information on recalculated emission estimates for Base Year and 2020**, please see the pollutant specific recalculation tables following [chapter 8.1 - Recalculations](#).

**Planned improvements**

AD improvements are planned by using production figures of both german producers.