

## 2.C.7.b - Nickel Production

In sub-category *NFR 2.C.7.b - Nickel production* TSP, SO<sub>2</sub> and Ni emissions from nickel mine production only for the year 1990 because mine production in Germany stopped in 1991.

Category Code	Method					AD					EF				
2.C.7.b	T1					AS					D				
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.C.7.b	-/-	-	-	-	-	-	-	-	-	-	-	-	-/-	-	-

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

Methods	
<b>D</b>	Default
<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/EEA Emission Inventory Guidebook - 2019, 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 (or surveys)
<b>M</b>	Model / Modelled
<b>C</b>	Confidential
EF - Emission Factors	
<b>D</b>	Default (EMEP Guidebook)
<b>C</b>	Confidential
<b>CS</b>	Country Specific
<b>PS</b>	Plant Specific data
<b>M</b>	Model / Modelled

## Method

### Activity data

The yearly production figure was taken from the annual statistical report of the US Geological Survey (USGS) for non-ferrous metals <sup>[Lit. 1]</sup>.

### Emission factors

The emission factors are default values according to the 2019 EMEP/EEA air pollutant emission inventory guidebook <sup>[Lit. 2]</sup>.

Table 1: applied Tier1 emission factors

Pollutant	EF	Unit
SO <sub>2</sub>	18	kg/t

Pollutant	EF	Unit
TSP	0.3	kg/t
Ni	0.025	kg/t

Uncertainties

Recalculations

Recalculation not needed.

Planned improvements

No category specific improvements needed.

Bibliography

Lit. 1:

Lit. 2: \beta