

## **NXP Semiconductors List of Relevant Emissions in Production Processes**

This list is additional to the list of restricted and hazardous substances in production processes. The emissions mentioned in this list, which may have significant local environmental effects, are allowed, but any emission must be reported above the declaration threshold of 500 kg/year per site.

<b>Relevant emissions</b>	<b>Remarks</b>
<b>Water emissions</b>	
Ammonia (NH <sub>4</sub> <sup>+</sup> )	
Fluorine (F <sup>-</sup> )	
Bromine (Br <sup>-</sup> )	
Nitrate (NO <sub>3</sub> <sup>-</sup> )	
Phosphate (PO <sub>4</sub> <sup>3-</sup> )	
<b>Air emissions</b>	
Hydrofluoric acid (HF)	
Nitric acid (HNO <sub>3</sub> )	
Ammonia (NH <sub>3</sub> )	
Nitrogen oxides (NO <sub>x</sub> )	Both for processes / power station boilers
Sulphur oxides (SO <sub>x</sub> )	Both for processes / power station boilers
Volatile organic carbons (VOCs)	e.g., acetone, ethanol, .....
Acidification potential (SO <sub>2</sub> equiv.)	Only for Semiconductors; to be calculated from the above-mentioned emissions.
Eutrophication (PO <sub>4</sub> <sup>3-</sup> equiv.)	Only for Semiconductors; to be calculated from the above-mentioned emissions.

## 1. Revision sheet

DOCUMENT AUTHOR	REVISION DATE	CHANGE DESCRIPTION	DOCUMENT OWNER
Environmental Officer	2006-11-10	Change of Company Restricted into Company Confidential according UN-D 1596	Environmental Officer
Environmental Officer	2006-11-10	This document is completely modified acc. the new home rules of the new NXP Company	Environmental Officer
Action PDCoding	2007-09-20	Change of Company Confidential into Unclassified	Environmental Officer