

Overview

This report is the result of a two year research program carried out by the North Rhine-Westphalia State Environment Agency on behalf of the European Commission, DG XI. The program aimed at collection of information available in the Western European countries (the 15 EU members, including Norway and Switzerland) concerning emission sources of polychlorinated dioxins and furans (PCDD/Fs) for the reference period 1993-1995. The results of the project are presented in two volumes:

Volume 1 contains – on the basis of data presented in Volume 2 – a selection of the **most important air emission sources** by applying different criteria (e.g. typical and maximal annual emission, likely local impact). The selected sources are assumed to cover about 90% of the annual PCDD/F air emissions in Europe. To get an emission estimate for those countries which did not provide corresponding national data a re-evaluation was made according to the following procedure:

- definition of default standard emission factors from the available measurement data as provided by the national basic documents
- calculation of emission estimates for all 17 countries using corresponding activity data (e.g. production statistics)

Volume 2 comprises a detailed summary of available data in the countries of interest; the information is arranged according to the *Selected Nomenclature for Atmospheric Pollutants* (SNAP) as established by the CORINAIR (European air emission data base) inventory system. The data are presented corresponding to a common substructure for each source category comprising information on measurement results, emission factors, activity rates and annual emission freights derived therefrom. In order to get an indication for data gaps the uncertainty of the estimated emissions is roughly assessed. Besides emission into the atmosphere PCDD/F releases through waste water and residual matter have been considered.