

## HISTORIES OF GUIDELINE DEVELOPMENT FOR THE FOURTH EDITION

### 12. Chemical fact sheets

#### 12.1 Chemical contaminants in drinking-water

##### Propanil

##### ***History of guideline development***

The 1958 and 1963 WHO *International Standards for Drinking-water* did not refer to propanil, but the 1971 International Standards suggested that pesticide residues that may occur in community water supplies make only a minimal contribution to the total daily intake of pesticides for the population served. Propanil was not evaluated in the first edition of the *Guidelines for Drinking-water Quality*, published in 1984, but the 1993 Guidelines established a health-based guideline value of 0.02 mg/l for propanil in drinking-water, noting that in applying this guideline, authorities should consider the possible presence of more toxic metabolites in water. In the third edition of the Guidelines, published in 2004, it was concluded that a guideline value for propanil was inappropriate, as propanil is readily transformed into metabolites that are more toxic, and there were inadequate data on the metabolites to allow the derivation of a guideline value for them. This assessment was brought forward to the fourth edition of the Guidelines, published in 2011.