

CONTENTS

1. Introduction	1
1.1 General Considerations	2
1.2 The nature of the guideline values	4
1.3 Criteria for the selection of health-related drinking-water contaminants	6
2. Microbiological aspects	8
2.1 Agents of significance	8
2.2 Microbial indicators of water quality	14
2.3 Recommendations	20
2.4 Monitoring	24
3. Chemical aspects	30
3.1 Background information used	30
3.2 Drinking-water consumption and body weight	30
3.3 Inhalation and dermal absorption	31
3.4 Health risk assessment	31
3.5 Mixtures	39
3.6 Summary statements	39
3.7 Monitoring	105
4. Radiological aspects	114
4.1 Introduction	114
4.2 Application of the reference level of dose	116
5. Acceptability aspects	122
5.1 Introduction	122
5.2 Summary statements	123
6. Protection and improvement of water quality	131
6.1 General Considerations	131
6.2 Selection and protection of water sources	132
6.3 Treatment Processes	132
6.4 Choice of treatment	136
6.5 Distribution networks	137
6.6 Corrosion control	138
6.7 Emergency measures	142
Bibliography	144
Annex 1. List of Participants in preparatory meetings	149
Annex 2. Tables of guideline values	172
Index	183