

1. Record Nr.	UNINA9910456041803321
Titolo	Classifying drinking water contaminants [[electronic resource]] : for regulatory consideration // Committee on Drinking Water Contaminants, Water Science and Technology Board, Board on Environmental Studies and Toxicology, Division on Earth and Life Studies, National Research Council
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 2001
ISBN	1-280-18476-0 9786610184767 0-309-56534-0
Descrizione fisica	1 online resource (255 p.)
Disciplina	363.6/1/0973
Soggetti	Water - Pollution - United States Drinking water - Contamination - United States Drinking water - Health aspects - United States Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 186-207).
Nota di contenuto	""Classifying Drinking Water Contaminants for Regulatory Consideration""; ""Copyright""; ""Preface""; ""Contents""; ""Executive Summary""; ""RECOMMENDED APPROACH FOR THE DEVELOPMENT OF FUTURE CCLS""; ""Two-Step Approach""; ""Sociopolitical Considerations""; ""Universe to PCCL""; ""PCCL to CCL""; ""Contaminant Attributes""; ""Developing and Implementing a Prototype Classification Approach""; ""IDENTIFYING AND ASSESSING EMERGING WATERBORNE PATHOGENS""; ""Virulence-Factor Activity Relationships""; ""Framework""; ""Feasibility""; ""VFAR Conclusions and Recommendations"" ""1 Drinking Water Contaminant Candidate List: Past, Present, and Future""""INTRODUCTION""; ""DEVELOPMENT OF THE 1998 CCL""; ""IMPLEMENTATION STATUS OF THE 1998 CCL""; ""Research Plan for 1998 CCL""; ""LIMITATIONS OF THE FIRST CCL DEVELOPMENT PROCESS""; ""RELATED SDWA PROGRAMS""; ""National Drinking Water

Contaminant Occurrence Database"; "Unregulated Contaminant Monitoring Regulation"; "IDENTIFYING AND SELECTING CONTAMINANTS FOR FUTURE CCLs"; "PERSPECTIVE OF THIS REPORT"; "2 Sociopolitical Considerations for Developing Future CCLs"; "INTRODUCTION"
"LIMITATIONS OF THE FIRST CCL DEVELOPMENT PROCESS"; "USE OF SOUND SCIENCE IN FUTURE REGULATORY DECISIONS"; "NATURE OF THE TASK"; "RISK PERCEPTION"; "PROTECTION OF VULNERABLE SUBPOPULATIONS"; "TRANSPARENCY AND PUBLIC PARTICIPATION"; "Transparency"; "Public Participation"; "SUMMARY: CONCLUSIONS AND RECOMMENDATIONS"; "3 The Universe of Potential Contaminants to the Preliminary CCL"; "INTRODUCTION"; "TWO-STEP APPROACH"; "THE UNIVERSE OF POTENTIAL DRINKING WATER CONTAMINANTS"; "DISTINGUISHING THE PCCL FROM THE UNIVERSE"; "GUIDELINES FOR DEVELOPING SCREENING CRITERIA"
"Criteria for Potential and Demonstrated Health Effects"; "Criteria for Potential and Demonstrated Occurrence"; "FATE OF THE PCCL"; "SUMMARY: CONCLUSIONS AND RECOMMENDATIONS"; "4 PCCL to CCL: Attributes of Contaminants"; "INTRODUCTION"; "OVERVIEW OF CONTAMINANT ATTRIBUTES"; "Severity"; "Potency"; "Prevalence"; "Magnitude"; "Persistence-Mobility"; "LESSONS LEARNED IN APPLYING THESE CRITERIA"; "Monitoring Data"; "Potency Compared to Monitoring Data"; "Severity"; "Severity and Potency"; "SUMMARY: CONCLUSIONS AND RECOMMENDATIONS"
"5 PCCL to CCL: Classification Algorithm"; "INTRODUCTION"; "OVERVIEW OF CLASSIFICATION SCHEMES"; "Expert Judgments"; "Rule-Based Methods"; "Prototype Classification Methods"; "Which Strategy to Use?"; "ILLUSTRATIVE EXAMPLE OF A PROTOTYPE CLASSIFICATION SCHEME FOR CCL CONTAMINANTS"; "The Training Data Set"; "Attribute Scoring"; "Prototype Classification Functions"; "Classification Results Using a Linear Classifier"; "Classification Results Using a Neural Network Classifier"; "DEMONSTRATED USE OF THE TRAINED CLASSIFIER"; "Examination of Misclassified Contaminants"
"Validation Test Cases"
