Record Nr.	UNINA9910778793103321
Titolo	Keeping pace with science and engineering [[electronic resource]] : case studies in environmental regulation / / Myron F. Uman, editor ; National Academy of Engineering
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1993
ISBN	1-280-21131-8
	9786610211319 0-309-56216-3
	0-585-14251-3
Descrizione fisica	1 online resource (296 p.)
Altri autori (Persone)	UmanMyron F. <1939->
Disciplina	363.73/7
Soggetti	Environmental engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Papers and speakers' remarks presented during a symposium held 11-12 February 1993"T.p. verso.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""Keeping Pace with Science and Engineering""; ""Copyright""; ""Preface""; ""Contents""; ""Introduction: Environmental Regulation and Changing Science and Technology""; ""NOTES""; ""Nutrient Loadings to Surface Waters: Chesapeake Bay Case Study""; ""THE FORMATIVE YEARS""; ""Federal Studies and Legislation""; ""The Chesapeake Region""; "Control of Point Source Nutrient Loading"; ""Control of Nonpoint Source Nutrient Loading"; ""THE PERIOD OF THE EPA BAY STUDY""; ""Setting the Stage""; ""The Bay Study""; ""THE ACTION YEARS""; ""Nutrient Research""; ""Nutrient Management"" "DISCUSSION AND CONCLUSIONS""""The Interplay between Science and Management"; ""Sources of Inertia""; ""Overcoming Inertia""; ""NOTES""; ""REFERENCES""; ""Tropospheric Ozone""; ""A BRIEF HISTORY OF OZONE LEGISLATION AND REGULATION""; ""The 1970 Amendments""; ""The 1977 Amendments""; ""The 1990 Amendments""; ""California Regulation"; ""PIVOTAL ISSUES IN FORMULATING REGULATIONS""; ""Formulation of the Standard""; ""Setting the Original Standard""; ""Revising the Standard""; "Subsequent Review of the Standard""; ""Emission Control Strategies"; ""Range of Objectives"; ""Spatial Scales""

1.

"Motor Vehicles: Inspection and Maintenance""""Technological Improvements and Modifications to the Motor Vehicle""; ""Vehicle Inspection and Maintenance Programs""; ""Motor Vehicles: Reducing Use""; ""Other Topics""; ""Assessment of Progress toward Attainment of the Standard""; ""Retrospective Analyses of State Implementation Plans""; ""Introduction of ""Cleaner"" Fuels""; ""THE INTERPLAY OF REGULATION AND SCIENCE AND TECHNOLOGY DEVELOPMENT"; ""The Response of the Regulatory System to New Scientific Understanding""; "Incentives and Disincentives in the Regulatory System" "Acceptance of New Information by the Regulatory Community""" Governmental Perspectives, Incentives, and Disincentives"; ""Role of Technology in Shaping Actions of the Regulatory System"; ""A PROPOSAL FOR CONSIDERATION""; ""ACKNOWLEDGMENTS""; ""REFERENCES""; ""Municipal Waste Combustion and New Source Performance Standards: Use of Scientific and Technical Information""; ""FRAMEWORK FOR ANALYSIS""; ""THE MWC INDUSTRY""; ""Historical Development""; ""Current Industry Status""; ""Technology Used between 1975 and 1989""; ""Combustion Design""; ""Composition of Air Emissions"" ""MWC Air Pollution Control Technology""""EPA INVOLVEMENT IN MWC REGULATION""; ""Chronology of Legislative, Legal, and Regulatory Activities""; ""Need for a Regulatory Program""; ""Projected National Impact""; ""Evaluation of Risks""; ""Options for EPA Involvement in Air Regulatory Programs""; ""Choice of Regulatory Authority""; ""Factors Leading to Federal Involvement""; ""NEW SOURCE PERFORMANCE STANDARDS""; ""Development of Specific Standards""; ""Good Combustion Practices""; ""Particulate and Metal Controls""; ""Acid Gas Controls""; ""Organic Controls""; ""Nitrogen Oxides""

""Materials Separation""