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Agricultural Research Service, U.S. Department of Agriculture

Regulating Water Quality: Policy, Standards, and Laws

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127 citations from AGRICOLA
Joe Makuch
Water Quality Information Center

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Regulating Water Quality: Policy, Standards and Laws

1 NAL Call. No.: ArUKF5624.A75C66 1992
7th Annual Conference on Wetlands and the Law course materials.
American Bar Association, Section of Natural Resources, Energy, and

Environmental Law, American Bar Association, Water Quality Committee,
Environmental Law Institute
Conference on Wetlands Law and Regulation 7th : 1992 : Washington, D.C.
Chicago, Ill. : American Bar Association : 1002 [i.e.; 1992].
1 v. (various pagings) : ill., maps ; 28 cm. June 3-4, 1002 [i.e. 1992],
Capital Hilton Hotel, Washington, D.C.

Language: English; English

Descriptors: Wetlands; Wetland conservation

2 NAL Call. No.: TD420.A1P7

Agricultural and municipal use of wastewater.

Bouwer, H.

Oxford : Pergamon Press; 1992.

Water science and technology : a journal of the International Association on
Water Pollution Research and Control v. 26 (7/8): p. 1583-1591; 1992. In
the series analytic: Water Quality International '92. Part 4 / edited by M.
Suzuki, et al. Proceedings of the Sixteenth Biennial Conference of the
International Association on Water Pollution Research and Control, held May
24-30, 1992, Washington, D.C. Includes references.

Language: English

Descriptors: Refuse; Waste water treatment; Water reuse; Irrigation water;
Water quality; Quality standards

3 NAL Call. No.: GB1001.G76

Agricultural chemical news: apparent shift in EPA's ground water policy.

Cohen, S.

Dublin, OH : Ground Water Pub. Co., c1993-; 1994.

Ground water monitoring & remediation v. 14 (3): p. 97-98; 1994.

Language: English

Descriptors: Pesticides; Groundwater; Water policy; Groundwater pollution;
Monitoring; Environmental legislation; Federal government; State government

4 NAL Call. No.: aTD428.A37M34 1992

Agricultural nonpoint source pollution and economic incentive policies

issues in the reauthorization of the Clean Water Act : water quality.

Malik, Arun S.; Larson, Bruce A.; Ribaud, Marc

United States, Dept. of Agriculture, Economic Research Service, Resources
and Technology Division

Washington, DC : U.S. Dept. of Agriculture, Economic Research Service,
Resources and Technology Division; 1992.

iv, 14 p. ; 28 cm. (ERS staff report ; no. AGES 9229.). Cover title.

"November 1992"--P. iii. Includes bibliographical references (p. 12-14).

Language: English

Descriptors: Agricultural pollution; Water

5

NAL Call. No.: TD195.A34B34 1991

Agriculture and the polluter pays principle a study of six EC countries.
Baldock, David; Bennett, Graham
London : Institute for European Environmental Policy,; 1991.
231 p. : ill., maps ; 24 cm. "December 1991,"--T.p. verso. Includes
bibliographical references.

Language: English

Descriptors: Agricultural pollution; Water; Liability for water pollution
damages

6

NAL Call. No.: 57.8 So4

Agriculture targeted in debate over Clean Water Act.
Myrick, C.
St. Louis, Mo. : Solutions Magazine; 1993 Jul.
Solutions : journal of the fluid fertilizer industry v. 37 (5): p. 42-43;
1993 Jul.

Language: English

Descriptors: U.S.A.; Cabt; Agricultural chemicals; Environmental
legislation; Water pollution; Pollution control

7

NAL Call. No.: KF3790.F74 1993

Air and water pollution regulation accomplishments and economic
consequences.
Freedman, Martin; Jaggi, Bikki
Westport, Conn. : Quorum Books,; 1993.
xii, 266 p. : ill. ; 25 cm. Includes bibliographical references and index.

Language: English; English

Descriptors: Water; Air; Law

8

NAL Call. No.: TD171.U5

Amending the Safe Drinking Water Act: view from Congress.
Waxman, H.
Washington, U.S. Environmental Protection Agency; 1994.
EPA journal v. 20 (1/2): p. 32-33; 1994. Includes references.

Language: English

Descriptors: U.S.A.; Cabt; Drinking water; Legislation; Water quality;
Contamination

9

NAL Call. No.: 275.29 T313

Animal waste management.
Sweeten, J.M.; Baird, C.; Manning, L.
College Station, Tex. : The Service; 1991 Sep.
Leaflet L - Texas Agricultural Extension Service, Texas A & M University
System (5043): 4 p.; 1991 Sep. Includes references.

Language: English

Descriptors: Texas; Animal wastes; Feedlots; Dairy farms; Waste disposal; Regulation; Runoff; Water pollution; Water quality

10 NAL Call. No.: TD427.T7A77 1988
Arsenic water quality standards criteria summaries a compilation of state/federal criteria.. Water quality standards criteria summaries United States, Environmental Protection Agency, Office of Water Regulations and Standards, Criteria and Standards Division, Standards Branch, Battelle Memorial Institute
Washington, D.C. : U.S. Environmental Protection Agency ; Springfield, VA : distributed by NTIS,; 1988.
57 p. ; 28 cm. Cover title. Contract 68-03-3534. "Office of Water Regulation and Standards"--Cover. September 1988. EPA 440/5-88/018. PB89-141501. Includes bibliographical references (p. 4-6).

Language: English

Descriptors: Arsenic wastes; Water quality; Water

11 NAL Call. No.: HD1401.S75
Atrazine and water quality: an updated CEEPES analysis.
Ames, Iowa : Center for Agricultural and Rural Development, 1986-; 1992 Dec. Staff report / (59): 49 p.; 1992 Dec. Includes references.

Language: English

Descriptors: Corn belt states of U.S.A.; Cabt; Zea mays; Sorghum; Atrazine; Water quality; Crop yield; Application rates

12 NAL Call. No.: 47.8 W89
Avoiding pollution from poultry manure.
Archer, J.
Oxford : Butterworth-Heinenmann Ltd; 1993 Jul.
World's poultry science journal v. 49 (2): p. 167-170; 1993 Jul. Includes references.

Language: English

Descriptors: Uk; Cabt; Poultry manure; Nitrates; Surface water; Water pollution; Groundwater pollution; Air pollution; Odors; Legislation

13 NAL Call. No.: TD196.076C36 1992
Canadian water quality guidelines for organotins.
Moore, D. R. G.
Canada, Ecosystem Sciences and Evaluation Directorate, Canada, Ecosystem Sciences and Evaluation Directorate, Eco-Health Branch
Ottawa, Ont. : Ecosystem Sciences and Evaluation Directorate, Eco-Health Branch,; 1992.
vii, 145 p. : ill. ; 28 cm. (Scientific series (Canada. Ecosystem Sciences and Evaluation Directorate) ; no. 191.). Summary in French. Errata sheet inserted. At head of title: Environment Canada, Conservation and

Protection.
Includes bibliographical references (p. 31-40).

Language: English

Descriptors: Water quality monitoring; Organotin compounds

14 NAL Call. No.: TD226.C388 1992
Canadian water quality guidelines for triallate.
Kent, R. A.; Trotter, D. M.; Gareau, J.
Canada, Ecosystem Sciences and Evaluation Directorate, Eco-health Branch,
Canada, Conservation and Protection
Ottawa, Ont. : Ecosystem Sciences and Evaluation Directorate, Eco-Health
Branch; 1992.
v, 47 p. ; 28 cm. (Scientific series (Canada. Ecosystem Sciences and
Evaluation Directorate) ; no. 195.). Abstract also in French. First draft
prepared under contract by: D.M. Trotter and J. Gareau. At head of title:
Environment Canada, Conservation and Protection. Includes bibliographical
references (p. 15-19).

Language: English; English

Descriptors: Water quality management; Herbicides; Water quality

15 NAL Call. No.: 292.9 C1282
Changing practices in ground water management--the pros and cons of
regulation.
Riverside, Calif. : The Center; 1992 Sep.
Report - California Water Resources Center, University of California (77):
205 p.; 1992 Sep. Proceedings of the 18th biennial conference on ground
water, held September 16-17, 1991, Sacramento, California.

Language: English

Descriptors: California; Kansas; Arkansas; Arizona; Groundwater; Water
management; Regulations; Groundwater pollution; State government; Federal
government; Water quality; Wells; Nitrates

16 NAL Call. No.: TD171.U5
The Clean Water Act: has it worked? We have a long way to go.
Adler, R.
Washington, U.S. Environmental Protection Agency; 1994.
EPA journal v. 20 (1/2): p. 10-14; 1994.

Language: English

Descriptors: Water pollution; Water quality; Legislation; Environmental
protection; Water recreation; Drinking water; Pollutants; Fish; Shellfish;
Food contamination; Wetlands

17 NAL Call. No.: Q225.I7
Cleaner water, but not clean enough.
Foran, J.A.; Adler, R.W.

Richardson, TX : The University of Texas at Dallas; 1993-1994.
Issues in science and technology v. 10 (2): p. 33-39; 1993-1994. Includes references.

Language: English

Descriptors: U.S.A.; Cabt; Water quality; Environmental legislation; Water pollution; Pollution control

18 NAL Call. No.: TD403.G7
Common sense in ground-water protection and management in the United States.
LeGrand, H.E.; Rosen, L.
Dublin, Ohio : Ground Water Pub. Co; 1992 Nov.
Ground water v. 30 (6): p. 867-872; 1992 Nov. Includes references.

Language: English

Descriptors: U.S.A.; Groundwater pollution; Protection; Management; Legislation; Policy

19 NAL Call. No.: HD1775.A2A5
Compliance with environmental regulations protecting water quality.
Molnar, J.J.; Van Woerkum, C.M.J.; Perez, K.
Auburn, Ala. : The Service; 1992.
Alabama agribusiness - Auburn University, Alabama Cooperative Extension Service v. 31 (1): p. 9-10; 1992.

Language: English

Descriptors: U.S.A.; Netherlands; Water quality; Animal wastes; Animal manures; Environmental legislation; Intensive livestock farming

20 NAL Call. No.: SB610.W39
Computer models for fate assessment during the registration process: data needs.
Behl, E.
Champaign, Ill. : The Society; 1992 Jul.
Weed technology : a journal of the Weed Science Society of America v. 6 (3): p. 696-700; 1992 Jul. Paper presented at a Symposium on the, "Role of Modeling in Regulatory Affairs," at the Weed Science Society of America, February 4, 1991, Louisville, Kentucky. Includes references.

Language: English

Descriptors: Pesticides; Registration; Simulation models; Groundwater; Water quality

21 NAL Call. No.: TD420.W374
Contrasting problems of implementing European Community water protection zone policies in Ireland and the UK.
Foster, I.D.L.; Thorn, R.H.
London : The Institution of Water and Environmental Management; 1993 Feb.
Water and environmental management v. 7 (1): p. 62-67; 1993 Feb. Includes

references.

Language: English

Descriptors: Uk; Irish republic; Water pollution; Prevention; Nitrates; Pollution control; Policy; Legislation; European communities

Abstract: The 1991 EC nitrate Directive has significant implications for agricultural and pollution prevention enforcement agencies throughout the European Community. Contrasting physical backgrounds, water supply sources and leaching rates, together with pre-existing nationally-based pollution control policies, means that implementing the Directive will cause different problems for member states. This paper examines the contrasting physical and legislative backgrounds in Ireland and the UK and looks at some of the problems in implementing EC policy.

22

NAL Call. No.: TD433.C67 1992

The Cost of compliance with the proposed federal drinking water standards for radionuclides final report.. Cost of compliance--radionuclides RCG/Hagler, Bailly, Inc, American Water Works Association, Water Industry Technical Action Panel

Denver, CO : Water Industry Technical Action Fund, American Water Works Association; 1991.

1 v. (various pagings) : ill. ; 28 cm. Spine title: Cost of compliance--radionuclides. Prepared for American Water Works Association, Water Industry Technical Action Panel. October 10, 1991. Includes bibliographical references.

Language: English; English

Descriptors: Drinking water; Radioactive pollution of water; Radon; Radium; Uranium

23

NAL Call. No.: 44.8 J822

Dairy manure and plant nutrient management issues affecting water quality and the dairy industry.

Lanyon, L.E.

Champaign, Ill. : American Dairy Science Association; 1994 Jul.

Journal of dairy science v. 77 (7): p. 1999-2007; 1994 Jul. Includes references.

Language: English

Descriptors: U.S.A.; Cabt; Cattle manure; Water pollution; Pollution control; Dairy farms; Cattle feeding; Production costs; Environmental policy

Abstract: Specific requirements for dairy manure management to protect water quality from nutrient pollution depend on the organization of individual farms. Further, the management requirements and options are different for point (farmstead) and nonpoint (field-applied) sources of pollution from farms. A formal management process can guide decisions about existing crop nutrient utilization potential, provide a framework for tracking nutrients supplied to crops, and identify future requirements for dairy manure management to protect water quality. Farm managers can

use the process to plan daily activities, to assess annual nutrient management performance, and to chart future requirements as herd size increases. Agronomic measures of nutrient balance and tracking of inputs and outputs for various farm management units can provide the quantitative basis for management to allocate better manure to fields, to modify dairy rations, or to develop alternatives to on-farm manure application. Changes in agricultural production since World War II have contributed to a shift from land-based dairy production to a reliance on capital factors of production supplied by the dairy industry. Meanwhile, management of dairy manure to meet increasingly stringent water quality protection requirements is still a land-based activity. Involving the dairy industry and off-farm stakeholders as participants in the management process for field, farm, and regional dairy production can be the basis for decision-making to reconcile the sometimes conflicting demands of production and water quality protection.

24 NAL Call. No.: KF27.P8968 1992d
DeLauro-Lowey Water Pollution Control and Estuary Restoration Financing Act hearing before the Subcommittee on Water Resources of the Committee on Public Works and Transportation, House of Representatives, One Hundred Second Congress, second session, on H.R. 5070, to amend the Federal Water Pollution Control Act to provide special funding to states for implementation of national estuary conservation and management plans, and for other purposes, October 13, 1992 in Milford, CT.. DeLauro Lowey Water Pollution Control and Estuary Restoration Financing Act United States. Congress. House. Committee on Public Works and Transportation.
Subcommittee on Water Resources
Washington : U.S. G.P.O. : For sale by the U.S. G.P.O., Supt. of Docs., Congressional Sales Office, ; 1992; Y 4.P 96/11:102-87.
xxvii, 185 p. ; 24 cm. Distributed to some depository libraries in microfiche. Shipping list no.: 93-0142-P. 102-87. Includes bibliographical references.

Language: English

Descriptors: Estuaries; Estuarine pollution; Estuarine area conservation

25 NAL Call. No.: TD224.C3D45 1991
Delta water quality a report to the Legislature on trihalomethanes and the quality of drinking water available from the Sacramento-San Joaquin Delta. California, State Water Resources Control Board
Sacramento : The Board, ; 1991.
viii, 41, 4 p. : maps ; 28 cm. October 1991.

Language: English; English

Descriptors: Water quality; Drinking water; Trihalomethanes

26 NAL Call. No.: TD420.A1P7
Determining tradeoffs between water quality and profitability in agricultural production: implications for nonpoint source pollution policy. Contant, C.K.; Duffy, M.D.; Holub, M.A.
Oxford ; New York : Pergamon Press, c1981-; 1993.

Water science and technology : a journal of the International Association on Water Pollution Research v. 28 (3/5): p. 27-34; 1993. Paper presented at the IAWQ First International Conference on "Diffuse (Nonpoint) Pollution: Sources, Prevention, Impact, Abatement." September 19-24, 1993, Chicago, Illinois. Includes references.

Language: English

Descriptors: Iowa; Cabt; Water pollution; Sources; Agricultural production; Water quality

27

NAL Call. No.: HC79.E5E5

Development of a decision support system for prioritization of multimedia dischargers.

Keyes, A.M.; Palmer, R.N.

New York, N.Y. : Springer-Verlag; 1993 Sep.

Environmental management v. 17 (5): p. 601-612; 1993 Sep. Includes references.

Language: English

Descriptors: Water pollution; Air pollution; Hazards; Wastes; Risk; Environmental protection; Government organizations; Regulations; Environmental impact

28

NAL Call. No.: 292.8 W295

Economic and environmental impacts of water quality protection policies. 1. Framework for regional analysis.

Bernardo, D.J.; Mapp, H.P.; Sabbagh, G.J.; Geleta, S.; Watkins, K.B.; Elliott, R.L.; Stone, J.F.

Washington : American Geophysical Union, 1965-; 1993 Sep.

Water resources research v. 29 (9): p. 3069-3079; 1993 Sep. Includes references.

Language: English

Descriptors: Groundwater pollution; Groundwater; Water quality; Water policy; Agricultural chemicals; Agricultural production; Economic impact; Environmental impact; Simulation models; Mathematical models; Programming; Models

Abstract: Agricultural production systems provide some unique challenges for assessing the regional impacts of water quality protection policies. A modeling framework is proposed for assessing the environmental and economic consequences of groundwater quality protection policies at the regional level. The model consists of three components: (1) a crop simulation/chemical transport model, (2) a regional economic optimization model, and (3) an aquifer groundwater flow model. The three submodels are linked and run recursively to simulate producer response to alternative water quality policies over a multiple-year time horizon. Model solutions provide projections of production practices employed on various resource situations across the region. Economic evaluation of alternative policies may be based upon regional agricultural income, crop production levels, input use, and changes in aquifer water levels over time. Measures of agricultural nonpoint source pollution provided by the model include

nitrate, phosphorus and pesticide loadings in deep percolation and runoff water, as well as sediment losses.

29

NAL Call. No.: 292.8 W295

Economic and environmental impacts of water quality protection policies. 2. Application to the Central High Plains.

Bernardo, D.J.; Mapp, H.P.; Sabbagh, G.J.; Geleta, S.; Watkins, K.B.; Elliott, R.L.; Stone, J.F.

Washington : American Geophysical Union, 1965-; 1993 Sep.

Water resources research v. 29 (9): p. 3081-3091; 1993 Sep. Includes references.

Language: English

Descriptors: Oklahoma; Cabt; Kansas; Cabt; Texas; Cabt; New Mexico; Cabt; Colorado; Cabt; Groundwater pollution; Groundwater; Water quality; Water policy; Agricultural chemicals; Agricultural production; Economic impact; Environmental impact; Mathematical models; Programming; Simulation models; Models

Abstract: A three-stage modeling framework is applied to evaluate the potential economic and environmental impacts of agricultural groundwater protection policies in the Central High Plains Region. Three alternative policies (limitations on total nitrogen applications, limitations on unit-area nitrogen applications, and restrictions on the use of selected herbicides) are compared to a baseline scenario that reflects the absence of any form of groundwater quality protection measures. In general, nitrogen restrictions are more effective in reducing nitrate loadings in percolation water if implemented on a unit-area basis rather than as a total (farm level) restriction. In contrast, the total restriction is more effective in controlling runoff losses of nitrogen. Both nitrogen restrictions have significant impacts on crop production levels and regional agricultural income, while the economic consequences of the pesticide restriction are much less pronounced. The proposed regional modeling framework provides critical information necessary to assess the economic and environmental tradeoffs of policy alternatives aimed at controlling agricultural nonpoint source pollution.

30

NAL Call. No.: S544.3.N6N62

Economic impacts of the Water Supply Watershed Protection Act.

Cox, U.N.; Jennings, G.; Danielson, L.E.; Hogg, D.L.

Raleigh : North Carolina Agricultural Extension Service,; 1993 Sep.

AG (473-8): 7 p.; 1993 Sep. Includes references.

Language: English

Descriptors: North Carolina; Cabt; Watersheds; Water resources; Drinking water; Water quality; Waterways; Water pollution; Protection; Regulations; Land use; Residential areas; Industrialization; Economic impact

31

NAL Call. No.: 292.9 Am34

Economic incentives for agricultural nonpoint source pollution control.

Malik, A.S.; Larson, B.A.; Ribaldo, M.

Herndon, Va. : American Water Resources Association; 1994 May.

Water resources bulletin v. 30 (3): p. 471-480; 1994 May. Includes references.

Language: English

Descriptors: Water pollution; Pollution control; Environmental legislation; Incentives; Economic policy

Abstract: The limited success of command-and-control policies for reducing nonpoint source (NPS) water pollution mandated under the Federal Water Pollution Control Act (FWPCA) has prompted increased interest in economic incentive policies as an alternative control mechanism. A variety of measures have been proposed ranging from fairly minor modifications of existing policies to substantial revisions including watershed-wide policies that rely on economic incentives. While greater use of economic incentive policies, such as environmental bonds and point/nonpoint source trading is being advocated in the reauthorization of the CWA, the expected effects of individual proposals will be modest. The characteristics of NPS pollution, namely uncertainty and asymmetrical information, underscores that there is no single, ideal policy instrument for controlling the many types of agricultural NPS water pollution. Some of the usual incentive-based policies, such as effluent taxes, are not well suited to the task. Individual incentive policies proposed for the reauthorized CWA, such as pollution trading or deposit/refund systems, are not broadly applicable for heterogeneous pollution situations. Economic incentive policies may be appropriate in some cases, and command- and-control policies will be preferable in others and may in fact complement incentive policies.

32

NAL Call. No.: TX501.R48

EEC water quality objectives for chemicals dangerous to aquatic environments (List 1).

New York : Springer-Verlag, 1987-; 1994.

Reviews of environmental contamination and toxicology v. 137: p. 83-110; 1994. Includes references.

Language: English

Descriptors: Chemicals; Water quality; Guidelines; Policy; European communities

33

NAL Call. No.: 475 J824

Environmental Protection Agency and other methods for the determination of priority pesticides and their transformation products in water.

Barcelo, D.

Amsterdam : Elsevier Science Publishers; 1993 Jul23.

Journal of chromatography v. 643 (1/2): p. 117-143; 1993 Jul23. Literature review. Includes references.

Language: English

Descriptors: U.S.A.; Europe; Pesticide residues; Water pollution; Determination; Regulations; Chromatography; European communities

34

NAL Call. No.: QD1.A45

Environmental restoration and separation science.
Reed, D.T.; Tasker, I.R.; Cunnane, J.C.; Vandegrift, G.F.
Washington, D.C. : American Chemical Society, 1974-; 1992.
ACS symposium series (509): p. 1-19; 1992. In the series analytic:
Environmental remediation: Removing organic and metal ion pollutants /
edited by G.F. Vandegrift, D.T. Reed and I.R. Tasker. Includes references.

Language: English

Descriptors: Soil pollution; Groundwater pollution; Reclamation; Separation;
Wastes; Radioactive wastes; Regulations; Technology; Literature reviews

Abstract: The problem of environmental restoration, specifically the
cleanup of contaminated soils and groundwaters, is one of the most important
technical and societal problems we face today. To provide a background to
this problem, the extent and cost, laws and regulations, important
contaminants, and key issues in environmental restoration are discussed.
A brief introduction to the role of separation science, in relation to
environmental restoration, is also given.

35

NAL Call. No.: 57.8 C734

EPA releases final sludge management rule.
Goldstein, N.
Emmaus, Pa. : J.G. Press; 1993 Jan.
BioCycle v. 34 (1): p. 59-63; 1993 Jan.

Language: English

Descriptors: U.S.A.; Sewage sludge; Federal government; Regulations; Public
health; Pollutants; Pathogens; Water policy; Wetlands; Application rates

36

NAL Call. No.: KF27.G655 1991d

EPA's efforts to control the nation's worst toxic water pollution problems :
hearing before the Environment, Energy, and Natural Resources Subcommittee
of the Committee on Government Operations, House of Representatives, One
Hundred Second Congress, first session, July 25, 1991.
United States. Congress. House. Committee on Government Operations.
Environment, Energy, and Natural Resources Subcommittee
Washington : U.S. G.P.O. : For sale by the G.P.O., Supt. of Docs.,
Congressional Sales Office; 1992; Y 4.G 74/7:T 66/8.
iii, 284 p. : ill. ; 23 cm. Distributed to some depository libraries in
microfiche. Shipping list no.: 93-0161-P. Includes bibliographical
references.

Language: English

Descriptors: Water; Hazardous wastes; Pollution control industry

37

NAL Call. No.: 302.8 T162

EPA's proposed cluster rule: the end of end-of-pipe.
Hinsey, N.W.
Norcross, Ga. : The Technical Association of the Pulp and Paper Industry;
1994 Sep.
Tappi journal. -- v. 77 (9): p. 65-74; 1994 Sep. Includes references.

Language: English

Descriptors: U.S.A.; Cabt; Pulp and paper industry; Air pollution; Water pollution; Pollution control; Public agencies; Pulp mill effluent; Factory fumes

38

NAL Call. No.: 302.8 P11

EPA's proposed cluster rules shape U.S. paper industry's near future.
Nichols, B.

San Francisco, Calif. : Miller Freeman Inc; 1994 Sep.

Pulp & paper v. 68 (9): p. 75-76, 81-82, 85; 1994 Sep. Includes references.

Language: English

Descriptors: U.S.A.; Cabt; Pulp and paper industry; Air pollutants; Pollutants; Environmental legislation; Federal government

39

NAL Call. No.: 56.8 J822

Factors affecting attitudes toward groundwater pollution among Ohio farmers.
Napier, T.L.; Brown, D.E.

Ankeny, Iowa : Soil Conservation Society of America, 1946-; 1993 Sep.

Journal of soil and water conservation v. 48 (5): p. 432-439; 1993 Sep.

Includes references.

Language: English

Descriptors: Ohio; Cabt; Groundwater pollution; Farmers' attitudes; Learning theory; Farm management; Innovation adoption; Agricultural policy; Farm structure; Models; Agricultural chemicals; Health hazards; Knowledge; Perception

40

NAL Call. No.: 275.29 W27P

Farming practices for groundwater protection.

Adams, E.B.

Pullman, Wash. : The Service; 1992 Aug.

Extension bulletin - Washington State University, Cooperative Extension

Service (1716): 4 p.; 1992 Aug. In subseries: Clean water for Washington.

Language: English

Descriptors: Washington; Groundwater pollution; Water conservation; Agricultural wastes; Waste disposal; Cultural methods; Environmental legislation

41

NAL Call. No.: 99.8 F768

Forest water quality protection: a comparison of regulatory and voluntary programs.

Hawks, L.J.; Cabbage, F.W.; Haney, H.L. Jr; Shaffer, R.M.; Newman, D.H.

Bethesda, Md. : Society of American Foresters; 1993 May.

Journal of forestry v. 91 (5): p. 48-54; 1993 May. Includes references.

Language: English

Descriptors: Maryland; Virginia; Forests; Water quality; Legislation;
Resource conservation

42 NAL Call. No.: KK6251.L56 1993
Gewässerschutz und landwirtschaftliche Bodennutzung dargestellt am Beispiel
der Düngung unter besonderer Berücksichtigung der Nitratproblematik
[Protection of water and agricultural soil use].
Linden, Werner,
Heidelberg : R. v. Decker, ; 1993.
xii, 273 p. ; 22 cm. (Umwelt- und Technikrecht ; Bd. 19). Originally
presented as the author's thesis--Universität Trier, 1993. Includes
bibliographical references (p. 257-273).

Language: German

Descriptors: Water pollution; Agricultural pollution; Fertilizers

43 NAL Call. No.: TD171.U5
Great water bodies at a watershed.
Marx, W.
Washington, D.C. : U.S. Environmental Protection Agency; 1992 Sep.
EPA journal v. 18 (4): p. 45-47; 1992 Sep.

Language: English

Descriptors: Pennsylvania; Maryland; Virginia; Watersheds; Body water; Water
pollution; Environmental degradation; Environmental protection;
Environmental policy

44 NAL Call. No.: 292.9 C1282
Ground water pollution update: causes and implications of slow remediation.
Kopania, A.A.; Mackay, D.M.
Riverside, Calif. : The Center; 1992 Sep.
Report - California Water Resources Center, University of California (77):
p. 57-62; 1992 Sep. In the series analytic: Changing practices in ground
water management--the pros and cons of regulation. Proceedings of the 18th
biennial conference on ground water, held September 16-17, 1991, Sacramento,
California. Includes references.

Language: English

Descriptors: California; Groundwater pollution; Organic compounds; Geology;
Aquifers; Wells; Regulations; Water management

45 NAL Call. No.: SB321.G85
A guide for understanding the atrazine ground and surface water risk
reduction measures.
Storrs, Conn. : Coop. Ext. Serv., USDA, College of Agriculture & Natural
Resources, Univ. of Conn; 1993 Apr.
The Grower : vegetable and small fruit newsletter v. 93 (4): p. 8-12; 1993
Apr.

Language: English

Descriptors: U.S.A.; Atrazine; Water pollution; Application rates; Pollution control; Regulations

46 NAL Call. No.: TD171.5.G3S33 1992
Handbuch Umwelt, Technik, Recht Luftreinhaltung, Abfallwirtschaft, Gewässerschutz, Larmschutz, Umweltschutzbeauftragte, EG-Umweltrecht [Handbook on environment, technology, law]., 2., vollig neubearbeitete Aufl.. Schedler, Karl
Ehningen bei Boblingen : Expert Verlag,; 1992.
679 p. : ill., maps ; 21 cm. (Expert Bucherei). Includes bibliographical references (p. 624-668) and index.

Language: German

Descriptors: Environmental protection; Environmental law; Air quality management; Refuse and refuse disposal; Water quality management; Noise control

47 NAL Call. No.: HD9000.6.A1S88 Bd.1
Handelbare Emissionsrechte als Instrument zur Reduzierung der Nitratbelastung des Grundwassers durch die Landwirtschaft [Negotiable emissions rights as an instrument for reducing nitrate contamination of ground water by agriculture]., 1. Aufl..
Niedermeyer, Dirk
Witterschlick, Bonn : Wehle,; 1989.
viii, 149 p. : ill. ; 21 cm. (Studien zur Wirtschafts- und Agrarpolitik ; Bd. 1). Includes bibliographical references (p. 140-149).

Language: German

Descriptors: Nitrates; Water, underground; Agricultural pollution

48 NAL Call. No.: TD201.U61
How clean is clean? An agricultural perspective.
Swader, F.
Carbondale, Ill. : The Council,; 1994.
Water resources update / (94): p. 61-67; 1994. Special Issue: The Clean Water Act Revisited: Accomplishments and Issues for Reauthorization.
Includes references.

Language: English

Descriptors: Water quality; Water pollution; Agriculture; Environmental policy; Agricultural policy; Usda

49 NAL Call. No.: 275.29 Ok41C
How do we improve water quality in the Illinois River basin?.
Stillwater, Okla. : The Service,; 1994 Apr.
Circular / (E-933): 12 p.; 1994 Apr.

Language: English

Descriptors: Illinois; Cabt; Water quality; Water pollution; Polluted water; Pollutants; Sources; Wastes; Waste disposal; Water erosion; Pollution by tourism; Recreation; Prevention; Law enforcement; Education

50 NAL Call. No.: 290.9 Am32P
Impact of water quality laws on dairy profitability.
Leatham, D.J.; Schmucker, J.F.; Lacewell, R.D.; Schwart, R.B.; Lovell, A.; Allen, G.
St. Joseph, Mich. : American Society of Agricultural Engineers,; 1991.
Paper / (914019): 11 p.; 1991. Paper presented at the "1991 International Summer Meeting sponsored by the American Society of Agricultural Engineers," June 23-26, 1991, Albuquerque, New Mexico. Includes references.

Language: English

Descriptors: Texas; Cabt; Dairy wastes; Waste water; Runoff; Water quality; Legislation

51 NAL Call. No.: 290.9 Am32P
Impacts of agricultural chemical policies on groundwater quantity.
Sabbagh, G.J.; Mapp, H.P.; Stone, J.F.; Geleta, S.; Bernardo, D.J.; Elliott, R.L.; Watkins, K.B.
St. Joseph, Mich. : American Society of Agricultural Engineers,; 1992.
Paper / (922024): 23 p.; 1992. Paper presented at the "1992 International Summer Meeting sponsored by the American Society of Agricultural Engineers," June 21-24, 1992, Charlotte, North Carolina. Includes references.

Language: English

Descriptors: Groundwater; Water quality; Chemicals

52 NAL Call. No.: S494.5.S86S8
Impacts of uncertainty on policy costs of managing nonpoint source ground water contamination.
Halstead, J.M.; Batie, S.S.; Taylor, D.B.; Heatwole, C.D.; Diebel, P.L.; Kramer, R.A.
Binghamton, N.Y. : Food Products Press; 1991.
Journal of sustainable agriculture v. 1 (4): p. 29-48; 1991. Includes references.

Language: English

Descriptors: Virginia; Groundwater pollution; Nitrates; Stochastic models; Stochastic programming; Agricultural policy; Costs

53 NAL Call. No.: SD143.S64
Implementation of the Clean Water Act (PL92-500) through best management practices implementation and monitoring.
Parker, T.
Bethesda, Md. : The Society; 1991.
Proceedings of the ... Society of American Foresters National Convention. p. 593-594; 1991. Meeting held Aug 4-7, 1991, San Francisco, California.

Includes references.

Language: English

Descriptors: Oregon; Washington; Water quality; Water management; Water pollution; Law; Federal government; National forests

54

NAL Call. No.: HD1401.S75

Integrating economic and environmental process models: an application of CEEPES to atrazine.

Cabe, R.; Kuch, P.J.; Shogren, J.F.

Ames, Iowa : Center for Agricultural and Rural Development, 1986-; 1991 May. Staff report / (54): 22 p.; 1991 May. Includes references.

Language: English

Descriptors: U.S.A.; Cabt; Atrazine; Groundwater pollution; Surface water; Environmental policy; Agricultural chemicals; Economic evaluation; Models

55

NAL Call. No.: S589.7.E57 1994

Involving agricultural procedures in the development of localized best management practices.

Waskom, R.M.; Walker, L.R.

St. Joseph, Mich. : American Society of Agricultural Engineers; 1994.

Environmentally sound agriculture : proceedings of the second conference : 20-22 April 1994 / . p. 22-29; 1994. Includes references.

Language: English

Descriptors: Colorado; Cabt; Groundwater pollution; Agricultural chemicals; Pollution control; Water quality; Environmental protection; Legislation; Management

56

NAL Call. No.: TD172.I58 1987-no.1

Konsequenzen des Neuen Gewässerschutzrechts für die Unternehmen

[Consequences of new water protection laws for businesses].

Institut für Gewerbliche Wasserwirtschaft und Luftreinhaltung (North Rhine-Westphalia, Germany)

Köln : Institut für gewerbliche Wasserwirtschaft und Luftreinhaltung, ; 1987. vi, 126 p. : ill. ; 21 cm. (IWL-Forum, 1987-1). Includes bibliographical references.

Language: German

57

NAL Call. No.: 292.9 Am34

Laws and programs for controlling nonpoint source pollution in forest areas.

Brown, T.C.; Brown, D.; Binkley, D.

Bethesda, Md. : American Water Resources Association; 1993 Jan.

Water resources bulletin v. 29 (1): p. 1-13; 1993 Jan. Includes references.

Language: English

Descriptors: U.S.A.; Cabt; Water pollution; Water quality; Pollution

control; Monitoring; Legislation; Programs; State government; Federal government

Abstract: Recent federal legislation strengthened nonpoint source pollution regulations and helped to support and standardize pollution control efforts. A comprehensive review of current state and federal programs for forest areas reveals a substantial increase in agency water quality protection activities. These new efforts emphasize monitoring to assess the use and effectiveness of best management practices (BMPs). Recent monitoring reveals that BMP use is increasing and that such use typically maintains water quality within standards. However, information is generally lacking about the cost effectiveness of BMP programs. Carefully designed and executed monitoring is the key to better specification of BMPs and more cost effective water quality protection.

58

NAL Call. No.: TD370.L43 1988

Lead water quality standards criteria summaries : a compilation of state/federal criteria.. Water quality standards criteria summaries United States, Environmental Protection Agency, Office of Water Regulations and Standards, Criteria and Standards Division, Standards Branch, Battelle Memorial Institute
Washington, D.C. : U.S. Environmental Protection Agency ; Springfield, VA : distributed by NTIS,; 1988.
56 p. ; 28 cm. Cover title. "Office of Water Regulation and Standards"--Cover. September 1988. EPA 440/5-88/030. PB89-141626. Includes bibliographical references (p. 3-5).

Language: English

Descriptors: Water quality; Water; Lead

59

NAL Call. No.: KF26.G676 1991a

Legal pollution of the Great Lakes hearing before the Subcommittee on Oversight of Government Management of the Committee on Governmental Affairs, United States Senate, One Hundred Second Congress, first session, October 4, 1991.
United States. Congress. Senate. Committee on Governmental Affairs. Subcommittee on Oversight of Government Management
Washington : U.S. G.P.O. : For sale by the U.S. G.P.O., Supt. of Docs., Congressional Sales Office,; 1992; Y 4.G 74/9:S.hrg.102-460.
iv, 206 p. : ill., maps ; 24 cm. (S. hrg. ; 102-460). Distributed to some depository libraries in microfiche. Shipping list no.: 92-217-P. Includes bibliographical references.

Language: English

Descriptors: Great Lakes; Water; Transboundary pollution; Liability for water pollution damages

60

NAL Call. No.: SB379.A9A9

A management plan for the Santa Clara River.
DePuydt, R.
Carpinteria, Calif. : Rincon Information Management Corporation; 1993 May.
California grower v. 17 (5): p. 44-46; 1993 May.

Language: English

Descriptors: California; Rivers; Water management; Farmers' associations; Environmental management; Federal government; State government; Law; Habitat destruction; Mining

61 NAL Call. No.: 292.9 C1282

Managing California's water quality in the 1990s.

Maughan, W.D.

Riverside, Calif. : The Center; 1992 Sep.

Report - California Water Resources Center, University of California (77): p. 29-30; 1992 Sep. In the series analytic: Changing practices in ground water management--the pros and cons of regulation. Proceedings of the 18th biennial conference on ground water, held September 16-17, 1991, Sacramento, California.

Language: English

Descriptors: California; Water quality; Water management; Pollution; Regulations; State government

62 NAL Call. No.: 292.9 C1282

Managing the Salinas River Basin for quantity and quality.

Hurst, W.F.; Howard, L.L.; Win, U.

Riverside, Calif. : The Center; 1992 Sep.

Report - California Water Resources Center, University of California (77): p. 93-101; 1992 Sep. In the series analytic: Changing practices in ground water management--the pros and cons of regulation. Proceedings of the 18th biennial conference on ground water, held September 16-17, 1991, Sacramento, California. Includes references.

Language: English

Descriptors: California; Groundwater; Water management; Sea water; Pollution; Nitrates; Groundwater level; Water quality; State government; Organizations; Federal government

63 NAL Call. No.: TD427.M4M49 1988

Mercury water quality standards criteria summaries a compilation of state/federal criteria.. Water quality standards criteria summaries United States, Environmental Protection Agency, Office of Water Regulations and Standards, Criteria and Standards Division, Standards Branch, Battelle Memorial Institute

Washington, D.C. : U.S. Environmental Protection Agency ; Springfield, VA : distributed by NTIS,; 1988.

60 p. ; 28 cm. Cover title. Contract 68-03-3534. "Office of Water Regulation and Standards"--Cover. September 1988. EPA 440/5-88/005. PB89-141378. Includes bibliographical references (p. 3-5).

Language: English

Descriptors: Mercury wastes; Water quality; Water

64

NAL Call. No.: 292.8 W295

Metamodels and nonpoint pollution policy in agriculture.

Bouzaher, A.; Lakshminarayan, P.G.; Cabe, R.; Carriquiry, A.; Gassman, P.W.; Shogren, J.F.

Washington : American Geophysical Union, 1965-; 1993 Jun.

Water resources research v. 29 (6): p. 1579-1587; 1993 Jun. Includes references.

Language: English

Descriptors: Herbicides; Agricultural chemicals; Groundwater; Surface water; Water pollution; Water quality; Simulation models; Statistical analysis

Abstract: Complex mathematical simulation models are generally used for quantitative measurement of the fate of agricultural chemicals in soil. But it is less efficient to use them directly for regional water quality assessments because of the large number of simulations required to cover the entire region and because the entire set of simulation runs must be repeated for each new policy. To make regional water quality impact assessment on a timely basis, a simplified technique called metamodeling is suggested. A metamodel summarizes the input-output relationships in a complex simulation model designed to mimic actual processes such as groundwater leaching. Metamodels are constructed and validated to predict groundwater and surface water concentrations of major corn and sorghum herbicides in the Corn Belt and Lake States regions of the United States. The usefulness of metamodeling in the evaluation of agricultural nonpoint pollution policies is illustrated using an integrated environmental economic modeling system. For the baseline scenario, we estimate that 1.2% of the regional soils will lead to groundwater detection of atrazine exceeding 0.12 micrograms/L, which compares well with the findings of an Environmental Protection Agency monitoring survey. The results suggest no-till practices could significantly reduce surface water concentration and a water quality policy, such as an atrazine ban, could increase soil erosion despite the conservation compliance provisions.

65

NAL Call. No.: TD224.M6M577 1992

Minnesota nonpoint source management progress in federal fiscal year 1992

the 1992 report to U.S. Environmental Protection Agency.

Minnesota Pollution Control Agency; United States, Environmental Protection Agency

St. Paul : The Agency, ; 1992.

238 p. : maps ; 28 cm.

Language: English

Descriptors: Water quality management; Nonpoint source pollution

66

NAL Call. No.: TD370.M59 1988

Mixing zones water quality standards criteria summaries a compilation of state/federal criteria.. Water quality standards criteria summaries

United States, Environmental Protection Agency, Office of Water Regulations and Standards, Criteria and Standards Division, Standards Branch, Battelle Memorial Institute

Washington, D.C. : U.S. Environmental Protection Agency ; Springfield, VA :

distributed by NTIS,; 1988.
82 p. ; 28 cm. Cover title. Contract 68-03-3534. "Office of Water
Regulation and Standards"--Cover. September 1988. EPA 440/5-88/015.
PB89-141477. Bibliography: p. 4-6.

Language: English

Descriptors: Water quality; Water

67 NAL Call. No.: TD420.A1P7
Monitoring large scale wastewater reclamation systems--policy and
experience.
Azov, Y.; Juanico, M.; Shelef, G.
Oxford : Pergamon Press; 1992.
Water science and technology : a journal of the International Association on
Water Pollution Research and Control v. 26 (7/8): p. 1545-1553; 1992. In
the series analytic: Water Quality International '92. Part 4 / edited by M.
Suzuki, et al. Proceedings of the Sixtennth Biennial Conference of the
International Association on Water Pollution Research and Control, held May
24-30, 1992, Washington, D.C. Includes references.

Language: English

Descriptors: Israel; Waste water treatment; Effluents; Quality controls;
Monitoring; Programs; Water reuse; Irrigation water

68 NAL Call. No.: S544.3.N7A4
New USDA incentive program an alternative to more farm regulations.
Sumner, K.
Middletown, N.Y. : Cornell Cooperative Ext.--Orange County Agriculture
Program, Education Center; 1992 Dec.
Agfocus : publication of Cornell Cooperative Extension--Orange County. p. 7,
16; 1992 Dec.

Language: English

Descriptors: Environmental protection; Water pollution; Residues; Water
conservation; Incentives; Usda; Regulations

69 NAL Call. No.: S590.S68
Nitrate leaching and intensive outdoor pig production.
Worthington, T.R.; Danks, P.W.
Oxford : Blackwell Scientific Publications; 1992 Jun.
Soil use and management v. 8 (2): p. 56-60; 1992 Jun. Includes references.

Language: English

Descriptors: Uk; Pig farming; Nitrate; Leaching; Losses from soil; Nitrogen
cycle; Water pollution; Legislation

Abstract: The production of pigs in outdoor units is gaining in popularity
in the United Kingdom and is often concentrated on free-draining soils over
important aquifers. Originally, stocking rates were sufficiently low to
ensure the maintenance of a grass crop, but recently they have increased.

Pigs are natural 'rooters' and wallowers and so cause damage to vegetation and soil structure. With overstocking these natural activities lead to considerable areas of bare, uncropped ground for much of the year. This paper assesses the potential for leaching of nitrate from such land, and makes recommendations for decreasing it.

70 NAL Call. No.: HC103.Z9W32 1991
Nonpoint source pollution.. Nonpoint source
Doyle, Paul; Morandi, Larry B.
National Conference of State Legislatures
Denver, Colo. : National Conference of State Legislatures,; 1991.
11 p. ; 28 cm. (Financing clean water.). Caption title. "August 1991."--P.
[4] of cover. Running title: Nonpoint source. "Fourth in a series that
presents state legislative options to finance water programs."--P. [1].
Includes bibliographical references (p. 10).

Language: English; English

Descriptors: Water quality management; Water, Underground; Water

71 NAL Call. No.: KF3790.A5N66 1992
Nonpoint source water pollution causes, consequences, and cures.
National Center for Agricultural Law Research and Information (U.S.),
Arkansas Water Resources Research Center
Fayetteville, Ark. : National Center for Agricultural Law Research and
Information, University of Arkansas School of Law,; 1992.
1 v. (various pagings) : ill. ; 30 cm. At head of title: Conference
handbook. "October 30-31, 1992"--T.p. Includes bibliographical references.

Language: English; English

Descriptors: Water; Water, Underground; Agricultural pollution; Agriculture

72 NAL Call. No.: HC107.N8R47
North Carolina regulatory programs to protect groundwater.
Patte, D.E.M.; Danielson, L.E.
Raleigh, N.C. : North Carolina Agricultural Extension Service; 1989 Dec.
Resource economics (10): 8 p.; 1989 Dec.

Language: English

Descriptors: North Carolina; Groundwater pollution; Regulations; Water
quality; Standards; Pollutants; Leaching; Pesticides; Water conservation

73 NAL Call. No.: S589.7.E57 1994
Opportunities available to the vertical integrator or food processor to
achieve water quality benefits in the dairy and poultry industries.
Manale, A.; Narrod, C.; Trachtenberg, E.
St. Joseph, Mich. : American Society of Agricultural Engineers; 1994.
Environmentally sound agriculture : proceedings of the second conference :
20-22 April 1994 / . p. 344-352; 1994. Includes references.

Language: English

Descriptors: Dairy industry; Poultry industry; Animal wastes; Waste disposal; Management; Water pollution; Externalities; Pollution control; Environmental policy; Water quality

74

NAL Call. No.: 292.9 C1282

Orange County ground water management.
Mills, W.R.
Riverside, Calif. : The Center; 1992 Sep.
Report - California Water Resources Center, University of California (77): p. 133-138; 1992 Sep. In the series analytic: Changing practices in ground water management--the pros and cons of regulation. Proceedings of the 18th biennial conference on ground water, held September 16-17, 1991, Sacramento, California.

Language: English

Descriptors: California; Groundwater; Water management; Waste water treatment; Local government; Urban areas; Watershed management; Water quality; Wells

75

NAL Call. No.: SB610.2.B74

Pesticide contamination of water sources: current policies for protection and a multidisciplinary proposal to aid future planning.
Carter, A.D.; Hollis, J.M.; Thompson, T.R.E.; Oakes, D.B.; Binney, R. Surrey : BCPC Registered Office; 1991.
Brighton Crop Protection Conference-Weeds v. 2: p. 491-498; 1991.
Conference held November 18-21, 1991, Brighton, England. Includes references.

Language: English

Descriptors: Uk; Pesticide residues; Water pollution; Water quality; Herbicides; Environmental policy

76

NAL Call. No.: 56.8 J822

Pesticide fate research trends within a strict regulatory environment: the case of Germany.
Gassman, P.W.
Ankeny, Iowa : Soil and Water Conservation Society of America; 1993 May.
Journal of soil and water conservation v. 48 (3): p. 178-187; 1993 May.
Includes references.

Language: English

Descriptors: Germany; Groundwater pollution; Water quality; Pesticide residues; Contamination; Environmental legislation; Interdisciplinary research; Agricultural research

77

NAL Call. No.: HD101.S6

Pesticide tax, cropping patterns, and water quality in south central Texas.
Shumway, C.R.; Chesser, R.R.
Lexington, Ky. : Southern Agricultural Economics Association, 1993-; 1994

Jul.

Journal of agricultural and applied economics v. 26 (1): p. 224-240; 1994
Jul. Includes references.

Language: English

Descriptors: Texas; Cabt; Pesticides; Cropping systems; Water quality; Water supply; Taxes; Economic impact; Demand; Groundwater; Equations; Agricultural production

Abstract: The impact of an ad valorem pesticide tax on cropping patterns and pesticide use was examined in the South Central Texas Crop Reporting District. Output supply equations were econometrically estimated and used in the simulation. A 25 percent tax on pesticide was estimated to have major impacts on cropping patterns and on pesticide use. Assuming other input and output prices were unaffected, the supply of one important crop would fall by more than half. Demand for some of the highly soluble and persistent pesticides, which present the greatest threat to groundwater quality, would also decrease substantially (some as much as 50 percent).

78

NAL Call. No.: S589.7.E57 1994

Petroleum storage tanks in the agriculture industry.

Ward, C.G.; Harriman, J.R.; Fontaine, A.R.

St. Joseph, Mich. : American Society of Agricultural Engineers; 1994.

Environmentally sound agriculture : proceedings of the second conference : 20-22 April 1994 /. p. 399-406; 1994. Includes references.

Language: English

Descriptors: Agricultural sector; Petroleum; Fuel tanks; Leakage; Environmental policy; Regulations; Environmental legislation; Groundwater pollution; Pollution control

79

NAL Call. No.: S589.7.E57 1994

"Planned intervention": merging voluntary CAFO pollution abatement with command-and-control regulation.

Frarey, L.C.; Jones, R.

St. Joseph, Mich. : American Society of Agricultural Engineers; 1994.

Environmentally sound agriculture : proceedings of the second conference : 20-22 April 1994 /. p. 215-222; 1994. Includes references.

Language: English

Descriptors: Texas; Cabt; Livestock farming; Animal feeding; Water pollution; Point sources; Pollution control; Regulations; State government; Water quality; Objectives

80

NAL Call. No.: 280.8 J822

Point/nonpoint source trading of pollution abatement: choosing the right trading ratio.

Malik, A.S.; Letson, D.; Crutchfield, S.R.

Ames, Iowa : American Agricultural Economics Association; 1993 Nov.

American journal of agricultural economics v. 75 (4): p. 959-967; 1993 Nov. Includes references.

Language: English

Descriptors: U.S.A.; Cabt; Pollution control; Law enforcement; Costs; Water quality; Trading; Uncertainty; Mathematical models; Ratios

Abstract: In programs for trading pollution abatement between point and nonpoint sources, the trading ratio specifies the rate at which nonpoint source abatement can be substituted for point source abatement. The appropriate value of this ratio is unclear because of qualitative differences between the two classes of sources. To identify the optimal trading ratio, we develop and analyze a model of point/nonpoint trading. We find the optimal trading ratio depends on the relative costs of enforcing point versus nonpoint reductions and on the uncertainty associated with nonpoint loadings. The uncertainty does not imply a lower bound for the optimal trading ratio.

81

NAL Call. No.: SB317.5.H68

Political perspective on water quality impact.

Bolusky, B.; Regelbrugge, C.

Alexandria, VA : American Society for Horticultural Science; 1992 Jan.

HortTechnology v. 2 (1): p. 80-82; 1992 Jan. Proceedings of the Workshop, "Impact of Runoff Water Quality on Future Nursery Crop Production," held at the 87th ASHS Annual Meeting, November 8, 1990, Tucson, Arizona.

Language: English

Descriptors: U.S.A.; Agriculture; Water use; Politics; Water quality; Government; Regulations; Environmental legislation; Pesticides; Surface water; Groundwater; Water pollution

82

NAL Call. No.: KF27.S675 1992a

Pollution and the Columbia River protecting a national treasure : hearing before the Subcommittee on Regulation, Business Opportunities, and Energy of the Committee on Small Business, House of Representatives, One Hundred Second Congress, second session, Portland, OR, January 18, 1992.

United States. Congress. House. Committee on Small Business. Subcommittee on Regulation, Business Opportunities, and Energy

Washington : U.S. G.P.O. : For sale by the U.S. G.P.O., Supt. of Docs., Congressional Sales Office; 1992; Y 4.Sm 1:102-59.

iii, 123 p. : ill., map ; 24 cm. Distributed to some depository libraries in microfiche. Shipping list no: 92-0487-P. Serial no. 102-59. Includes bibliographical references.

Language: English; English

Descriptors: Columbia River; Water; Dioxins; Environmental policy

83

NAL Call. No.: TD420.A1P7

Potential and present wastewater reuse in Jordan.

Gur, A.; Al Salem, S.S.

Oxford : Pergamon Press; 1992.

Water science and technology : a journal of the International Association on Water Pollution Research and Control v. 26 (7/8): p. 1573-1581; 1992. In

the series analytic: Water Quality International '92. Part 4 / edited by M. Suzuki, et al. Proceedings of the Sixteenth Biennial Conference of the International Association on Water Pollution Research and Control, held May 24-30, 1992, Washington, D.C. Includes references.

Language: English

Descriptors: Jordan; Waste water treatment; Effluents; Water quality; Regulations; Water reuse

84 NAL Call. No.: S590.C63
Precision nutrient management--impact on the environment and needs for the future.
Swader, F.; Woodward, M.
New York, N.Y. : Marcel Dekker; 1994.
Communications in soil science and plant analysis v. 25 (7/8): p. 881-888; 1994. Paper presented at the 1993 International Symposium on Soil Testing and Plant Analysis: Precision Nutrient Management, August 14-19, 1993, Olympia, Washington. Part 1. Includes references.

Language: English

Descriptors: U.S.A.; Cabt; Water quality; Water pollution; Point sources; Pollution control; Nutrients; Management; Application to land; Environmental protection; Profitability; Trends; Regulations; Sustainability

85 NAL Call. No.: QH541.5.L3P74 1991
A Prescription for healthy Great Lakes report of the Program for Zero Discharge.
National Wildlife Federation, Canadian Institute for Environmental Law and Policy
Ann Arbor, Mich. : National Wildlife Federation,; 1991.
iv, 63 p. : ill ; 28 cm. Cover title. February, 1991. Includes bibliographical references.

Language: English

Descriptors: Ecology; Water

86 NAL Call. No.: TD171.U5
President Clinton's Clean Water Act Initiative: costs and benefits.
Luttner, M.
Washington, U.S. Environmental Protection Agency; 1994.
EPA journal v. 20 (1/2): p. 30-31; 1994.

Language: English

Descriptors: Legislation; Water quality; Water pollution; Costs

87 NAL Call. No.: TD172.5.A99 1990
Proceedings, AWWA Seminar on Current Research Activities in Support of USEPA'S Regulatory Agenda, annual conference, Cincinnati, Ohio, June 17-21, 1990.

American Water Works Association, Research Division
AWWA Seminar on Current Research Activities in Support of USEPA's Regulatory
Agenda 1990 : Cincinnati, Ohio.
Denver, CO : American Water Works Association,; 1990.
vi, 140 leaves : ill. ; 28 cm. Cover title. Includes bibliographical
references.

Language: English

Descriptors: Environmental protection; Drinking water

88 NAL Call. No.: TD426.N37 1986
Proceedings of a National Symposium on Liability Issues and Ground Water
Pollution Control, May 22-23, 1986 conducted by the University of Oklahoma
Environmental and Ground Water Institute and the Science and Public Policy
Program in cooperation with other universities, sponsored by the U.S.
Environmental Protection Agency Office of Ground Water Protection.
Canter, Larry W.
University of Oklahoma, Environmental and Ground Water Institute, University
of Oklahoma, Science and Public Policy Programs, United States,
Environmental Protection Agency, Office of Ground-Water Protection
National Symposium on Liability Issues and Ground Water Pollution Control
1986 : Cambridge, Mass.
Norman, Okla. : University of Oklahoma,; 1986.
vi, 166 p. : ill., maps ; 28 cm. September, 1986. Includes bibliographical
references.

Language: English

Descriptors: Water, Underground; Water quality

89 NAL Call. No.: SB433.34.V8V47
Programs to protect the Chesapeake Bay and the turf industry.
Shank, R.F.
Blacksburg, Va. : Virginia Cooperative Extension Service; 1991 Dec.
Proceedings - Virginia Turfgrass Landscape Conference (31st): p. 82-86; 1991
Dec. Meeting held on January 14-17, 1991, Richmond, Virginia.

Language: English

Descriptors: Lawns and turf; Ecosystems; Water pollution; Algae;
Environmental policy; Tines

90 NAL Call. No.: ArUKF5627.A314P767 1991
Proposed guidance specifying management measures for sources of nonpoint
pollution in coastal waters, proposed under the authority of Section 6217(g)
of the Coastal Zone Act Reauthorization Amendments of 1990.
United States, Environmental Protection Agency, Office of Water
Washington, D. C. : United States Environmental Protection Agency, Office of
Water,; 1991.
1 v. (various pagings) : ill. ; 28 cm. Includes bibliographical references.

Language: English; English

Descriptors: Coastal zone management; Water; Marine pollution

91 NAL Call. No.: 292.9 C1282
Pros and cons of ground water management or "look out for some extremely bogus thinking."
Kidman, A.G.
Riverside, Calif. : The Center; 1992 Sep.
Report - California Water Resources Center, University of California (77): p. 155-163; 1992 Sep. In the series analytic: Changing practices in ground water management--the pros and cons of regulation. Proceedings of the 18th biennial conference on ground water, held September 16-17, 1991, Sacramento, California.

Language: English

Descriptors: California; Groundwater; Water management; Groundwater pollution; Regulation; Local government; State government; Public utilities; Organic compounds; Water policy; Courts; Wells; Collectivization; Ownership

92 NAL Call. No.: aSD11.A42
Protection and management of riparian areas through water quality programs in Arizona.
Randall, K.E.
Fort Collins, Colo. : Rocky Mountain Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture; 1993.
General technical report RM / (226): p. 107-111; 1993. In the series analytic: Riparian management: common threads and shared interests. Paper presented at a conference on Feb. 4-6, 1993, Albuquerque, New Mexico. Includes references.

Language: English

Descriptors: Arizona; Cabt; Rivers; Riverbank protection; Water pollution; Conservation; Regulations

93 NAL Call. No.: S544.3.V8V52
The protection of groundwater resources: action at the local level.
Blacksburg, Va. : Extension Division, Virginia Polytechnic Institute and State University; 1990.
Publication - Virginia Cooperative Extension Service (462-010): 22 p.; 1990. Includes references.

Language: English

Descriptors: Virginia; Groundwater pollution; Water quality; Water resources; Environmental protection; Local government; Legislation; Programs

94 NAL Call. No.: RA565.A1J6
Reevaluation of dioxin bioconcentration and bioaccumulation factors for regulatory purposes.
Sherman, W.R.; Keenan, R.E.; Gunster, D.G.
Washington, D.C. : Hemisphere Publishing; 1992 Oct.
Journal of toxicology and environmental health v. 37 (2): p. 211-229; 1992

Oct. Includes references.

Language: English

Descriptors: U.S.A.; Chlorinated hydrocarbons; Kraft mill effluent; Water pollution; Water quality; Regulations; Methodology; Aquatic environment; Fishes; Animal tissues; Calculation

95

NAL Call. No.: HC79.P55J6

Regulating agricultural groundwater contamination: a comment.

Miceli, T.J.; Segerson, K.

Orlando, Fla. : Academic Press; 1993 Sep.

Journal of environmental economics and management v. 25 (2): p. 196-200; 1993 Sep. Original article published in this journal, v. 22 (1), p. 1-11. includes references.

Language: English

Descriptors: Georgia; Cabt; Idaho; Cabt; Minnesota; Cabt; Vermont; Cabt; Groundwater; Environmental legislation; Regulations; Legal liability; Game theory; Dynamic models; Agricultural chemicals

Abstract: This comment argues that the model specification used by Wetzstein and Centner in a recent paper is not an appropriate representation of the problem of groundwater contamination from agricultural chemicals and that their conclusions regarding the efficiency of alternative liability rules are incorrect. In particular, the modified strict liability rule proposed by the authors will not lead to efficiency for what we argue is the correct model specification. Likewise, a pure negligence rule, which they argue is inefficient, is in fact efficient.

96

NAL Call. No.: 292.8 W295

The regulation of groundwater quality with delayed responses.

Kim, C.S.; Hostetler, J.; Amacher, G.

Washington, D.C. : American Geophysical Union; 1993 May.

Water resources research v. 29 (5): p. 1369-1377; 1993 May. Includes references.

Language: English

Descriptors: Groundwater pollution; Pollution control; Groundwater; Water quality; Regulations; Dynamic models; Algorithms; Nitrogen fertilizers; Farm inputs; Leachates; Nitrates; Usage; Costs; Agricultural policy

Abstract: This research develops a dynamic model of input regulation in the presence of externalities that do not occur simultaneously with input use. The model is formulated to study the regulation of firms that apply fertilizer, where leachate from the application of fertilizer accumulates in groundwater over time. In the model we show the derivation of an optimal nitrogen user fee and the consequences of regulatory design when time lags between nitrogen application and nitrate contamination are present. This research also responds to the need of developing a general solution algorithm for an optimal control model when the control variable exhibits a delayed response. A multistage solution algorithm presented in this paper is different from other studies in that a typical relationship is not

assumed for the state and adjoint variables.

97 NAL Call. No.: 57.09 F41
Regulation update--clean water & phosphogypium.
Johnson, K.
Glen Arm, Md. : Fertilizer Industry Round Table; 1992.
Proceedings /. p. 98-100; 1992. Meeting held on October 26-28, 1992,
Baltimore, Maryland.

Language: English

Descriptors: Phosphogypsum; Fertilizer industry; Water pollution; Pollution control; Regulations; Point sources

98 NAL Call. No.: 57.8 SO4
Regulations generate business for resourceful dealers.
Luporter, C.
St. Louis, Mo. : Solutions Magazine; 1993 Feb.
Solutions v. 37 (2): p. 28-31; 1993 Feb.

Language: English

Descriptors: U.S.A.; Pesticides; Testing; Businesses; Regulations; Federal government; Environmental impact; Water quality

99 NAL Call. No.: TD427.P35K44 1991
Report to the Legislature on pesticides in ground water submitted pursuant to Special act 86-44.. Pesticides in ground water
Keeney, Timothy R. E.
Connecticut, Dept. of Environmental Protection
Hartford? : Dept. of Environmental Protection,; 1991.
22 p. : ill. ; 28 cm. Cover title. December 1991.

Language: English; English

Descriptors: Pesticides; Water, Underground

100 NAL Call. No.: KF3792.M58R62 1994
Restoring the Big River a clean water act blueprint for the Mississippi.
Robinson, Ann Y.; Marks, Robbin
Minneapolis, MN : Midwest Office, Izaak Walton League of America ;
Washington, D.C. : National Office, Natural Resources Defense Council,;
1994. 53 p. : ill. ; 28 cm. February 1994. Includes bibliographical references (p. 49-53).

Language: English; English

Descriptors: Mississippi River; Water quality management

101 NAL Call. No.: 292.9 C1282
The role of law in managing ground water quality--why has it failed?.
Tarlock, A.D.

Riverside, Calif. : The Center; 1992 Sep.
Report - California Water Resources Center, University of California (77):
p. 39-46; 1992 Sep. In the series analytic: Changing practices in ground
water management--the pros and cons of regulation. Proceedings of the 18th
biennial conference on ground water, held September 16-17, 1991, Sacramento,
California. Includes references.

Language: English

Descriptors: California; Utah; Groundwater; Water quality; Regulations;
State government; Federal government; Law; Urban areas; Rural areas;
Groundwater pollution; Courts; Environmental impact; Ownership

102 NAL Call. No.: TD201.U61
Safe Drinking Water Act Amendments of 1986.
Cotruvo, J.A.
Carbondale, Ill. : The Council,; 1994 May.
Water resources update / (77): p. 11-14; 1994 May.

Language: English

Descriptors: U.S.A.; Cabt; Drinking water; Legislation; Contaminants;
Pollutants; Monitoring; Public health

103 NAL Call. No.: 290.9 Am32P
Seepage: a GIS model for groundwater pollution potential.
Richert, S.E.; Young, S.E.; Johnson, C.
St. Joseph, Mich. : American Society of Agricultural Engineers,; 1992.
Paper / (92-2592): 15 p.; 1992. Paper presented at the "1992 International
Winter Meeting sponsored by the American Society of Agricultural Engineers,"
December 15-18, 1992, Nashville, Tennessee. Includes references.

Language: English

Descriptors: Pennsylvania; Cabt; Groundwater pollution; Mathematical models;
Evaluation; Screening; Geographical distribution; Decision making;
Environmental policy

104 NAL Call. No.: QL461.A52
State departments of agriculture: pesticide and environmental specialists of
the 1990's.
Whitford, F.; Neu, J.A.; Brousseau, B.; Hardy, T.N.; Impson, J.W.; Rider,
D.A. Lanham, Md. : Entomological Society of America; 1991.
American entomologist v. 37 (1): p. 27-34. maps; 1991.

Language: English

Descriptors: Louisiana; U.S.A.; Pesticides; Legislation; Pollutants; Public
health; Regulations; State government; Water pollution

105 NAL Call. No.: GB1197.82.M67 1989
State groundwater protection policies a legislator's guide.
Morandi, Larry B.; Schwoch, Sharon

National Conference of State Legislatures
Denver, Colo. : National Conference of State Legislatures,; 1989.
ix, 80 p. ; 23 cm. May 1989. Includes tables. Includes references and an
appendix.

Language: English; English

Descriptors: Water, Underground

106 NAL Call. No.: SB433.34.V8V47
Stormwater management.
Pokrifka, G.M.
Blacksburg, Va. : Virginia Cooperative Extension Service; 1990 Dec.
Proceedings - Virginia Turfgrass Landscape Conference (30th): p. 93-95; 1990
Dec. Meeting held January 15-18, 1990, Richmond, Virginia.

Language: English

Descriptors: Runoff water; Water management; Legislation; Pollutants; Water
conservation

107 NAL Call. No.: TD223.P369 1992
Surface water quality have the laws been successful?.
Patrick, Ruth
Princeton, N.J. : Princeton University Press,; 1992.
xvii, 198 p. : ill., maps ; 25 cm. Includes bibliographical references (p.
[158]-186) and index.

Language: English; English

Descriptors: Water quality; Water; Water quality management; Freshwater
fauna

108 NAL Call. No.: TD420.A1P7
Technical guidance for implementing BMPS in the Coastal zone.
Frederick, R.E.; Dressing, S.A.
Oxford ; New York : Pergamon Press, c1981-; 1993.
Water science and technology : a journal of the International Association on
Water Pollution Research v. 28 (3/5): p. 129-135; 1993. Paper presented at
the IAWQ First International Conference on "Diffuse (Nonpoint) Pollution:
Sources, Prevention, Impact, Abatement." September 19-24, 1993, Chicago,
Illinois. Includes references.

Language: English

Descriptors: U.S.A.; Cabt; Water pollution; Coastal areas; Technical aid;
Guidelines; Pollution; Sources

109 NAL Call. No.: SB319.2.F6F56
"The Guide": an industry response to new regulations.
Lamberts, M.; Marewski, G.; Monteith, R.H.; Rabin, M.
S.l. : The Society; 1990 May.
Proceedings of the ... annual meeting of the Florida State Horticulture

Society v. 102: p. 246-248; 1990 May. Proceedings held October 31-November 2, 1989, Tampa, Florida. Includes references.

Language: English

Descriptors: Florida; Regulations; Hazards; Labor; Nurseries; Pesticides; Water quality

110 NAL Call. No.: KF27.G655 1992c
Thirty years after Silent spring status of EPA's review of older pesticides : hearing before the Environment, Energy, and Natural Resources Subcommittee of the Committee on Government Operations, House of Representatives, One Hundred Second Congress, second session, July 23, 1992.
United States. Congress. House. Committee on Government Operations. Environment, Energy, and Natural Resources Subcommittee
Washington : U.S. G.P.O. : For sale by the U.S. G.P.O., Supt. of Docs., Congressional Sales Office,; 1993; Y 4.G 74/7:P 43/5.
iii, 232 p. : ill. ; 24 cm. Distributed to some depository libraries in microfiche. Shipping list no.: 93-0353-P. Includes bibliographical references.

Language: English

Descriptors: Carson, Rachel 1907-1964 Silent spring; Pesticides; Pesticide residues in food

111 NAL Call. No.: 302.8 P11
Tighter regulations spur design of zero-discharge recycled mills.
Kohler, C.W.
San Francisco, Calif. : Miller Freeman Inc; 1994 May.
Pulp & paper v. 68 (5): p. 89-91; 1994 May.

Language: English

Descriptors: U.S.A.; Cabt; Pulp and paper industry; Recycling; Pollutants; Waste water; Factory effluents; Water conservation; Environmental legislation; Federal government

112 NAL Call. No.: TD420.A1P7
Trace metal soil quality criteria to protect groundwater.
Lee, J.; Chen, B.; Allen, H.E.; Huang, C.P.; Sparks, D.L.; Sanders, P.
Oxford : Pergamon Press; 1992.
Water science and technology : a journal of the International Association on Water Pollution Research and Control v. 26 (9/11): p. 2327-2329; 1992. In the series analytic: Water Quality International '92. Part 5 / edited by M. Suzuki, et.al. Proceedings of the Sixteenth Biennial Conference of the International Association on Water Pollution Research and Control held May 24-30, 1992, Washington, D.C.

Language: English

Descriptors: New Jersey; Soil pollution; Pollutants; Standards; Metals; Groundwater pollution; Soil; Adsorption; Soil ph; Mathematical models

113

NAL Call. No.: 100 Ar4M

Trouble down along the river.

Kingdon, L.B.

Tucson : Agricultural Experiment Station, University of Arizona; 1992.
Research report. p. 6-7; 1992. Includes references.

Language: English

Descriptors: Arizona; Cabt; Waste water treatment; Riparian vegetation;
Federal government; River water; River regulation; Deserts; Law; State
government; Effluents; Groundwater pollution; Habitat destruction

114

NAL Call. No.: ArUKF5569.A2U53 1992

Uncovering the hidden resources groundwater law, hydrology, and policy in
the 1990s, June 15-17, 1992.

University of Colorado (Boulder), Natural Resources Law Center, Rocky
Mountain Ground-Water Conference, Colorado Ground Water Association
Boulder, CO : Natural Resources Law Center, University of Colorado School of
Law,; 1992.

1 v. (loose-leaf) : ill. ; 30 cm. "Sponsored by Natural Resources Law
Center, University of Colorado School of Law and the Rocky Mountain Ground-
Water Conference, organized by the Colorado Ground-Water Association"--P.
[1]. Includes bibliographical references.

Language: English; English

Descriptors: Water, Underground; Water resources development

115

NAL Call. No.: SB610.W39

Use of ground water monitoring data for pesticide regulation.

Barrett, M.R.; Williams, W.M.; Wells, D.

Champaign, Ill. : The Weed Science Society of America; 1993 Jan.

Weed technology : a journal of the Weed Science Society of America v. 7 (1):
p. 238-247; 1993 Jan. Includes references.

Language: English

Descriptors: U.S.A.; Cabt; Water quality; Groundwater pollution; Pesticides;
Leaching; Pesticide residues; Drinking water; Regulations; Health hazards;
Contaminants; Quality standards; Monitoring

116

NAL Call. No.: S544.3.V8V52

Use of incentives to enhance water quality program effectiveness.

Kerns, W.R.

Blacksburg, Va. : Extension Division, Virginia Polytechnic Institute and
State University; 1991.

Publication - Virginia Cooperative Extension Service (448-104): 12 p.; 1991.
Includes references.

Language: English

Descriptors: Virginia; Water quality; Incentives; Environmental policy;
Environmental protection; Pollutants

117 NAL Call. No.: SB610.W39
Use of modeling in developing label restrictions for agricultural chemicals.
Jones, R.L.
Champaign, Ill. : The Society; 1992 Jul.
Weed technology : a journal of the Weed Science Society of America v. 6 (3):
p. 683-687; 1992 Jul. Paper presented at a Symposium on the, "Role of
Modeling in Regulatory Affairs," at the Weed Science Society of America,
February 4, 1991, Louisville, Kentucky. Includes references.

Language: English

Descriptors: Agricultural chemicals; Pesticides; Simulation models;
Regulations; Labeling; Groundwater; Drinking water; Water quality

118 NAL Call. No.: S589.7.E57 1994
Virginia's integrated agricultural nonpoint source pollution control
strategies.
Croghan, M.B.
St. Joseph, Mich. : American Society of Agricultural Engineers; 1994.
Environmentally sound agriculture : proceedings of the second conference :
20-22 April 1994 /. p. 17-21; 1994.

Language: English

Descriptors: Virginia; Cabt; Agricultural land; Water pollution; Point
sources; Pollution control; Environmental protection; Water quality;
Environmental policy; State government

119 NAL Call. No.: TD172.I58 1978-no.2
Wasserrecht im Umbruch [Water law in flux].
Institut fur Gewerbliche Wasserwirtschaft und Luftreinhaltung (North
Rhine-Westphalia, Germany)
Koln : Das Institut,; 1978.
vi, 88 p. ; 21 cm. (IWL-Forum, 1978-2). Includes bibliographical
references.

Language: German

120 NAL Call. No.: KF3788.4.W37 1979
Water pollution control.
Bureau of National Affairs (Washington, D.C.)
Washington : Bureau of National Affairs, 1979-; 1979-9999.
1 v. (loose-leaf) ; 26 cm. (BNA policy and practice series). Cover title.
Has newsletter (1979-1986): Water pollution control ; Oct. 1986- : Air &
water pollution control. Includes index.

Language: English

Descriptors: Water

121 NAL Call. No.: TD745.U6 1992

Water pollution state revolving funds insufficient to meet wastewater treatment needs : report to the Chairman, Committee on Public Works and Transportation, House of Representatives.. State revolving funds insufficient to meet wastewater treatment needs State revolving fund program United States. General Accounting Office; United States, Congress, House, Committee on Public Works and Transportation Washington, D.C. : The Office,; 1992; GA 1.13:RCED-92-35. 83 p. : ill. ; 28 cm. Cover title. Running title: State revolving fund program. January 1992. GAO/RCED-92-35. "B-245465"--P. [1]. Includes bibliographical references.

Language: English; English

Descriptors: Sewage

122 NAL Call. No.: TD420.A1P7
Water protection in the pulp industry: Australian and central European situation.
Kroiss, H. \u University of Technology, Karlsplatz, Austria
Oxford ; New York : Pergamon Press, c1981-; 1994.
Water science and technology : a journal of the International Association on Water Pollution Research v. 29 (5/6): p. 33-48; 1994. Selected Proceedings of the 4th IAWQ Symposium on Forestry Industry Wastewaters, held June 8-11, 1993, Tampere, Finland. Includes references.

Language: English

Descriptors: Austria; Cabt; German federal republic; Cabt; Pulp and paper industry; Sulfate pulping; Sulfite pulping; Kraft mill effluent; Pulp mill effluent; Water pollution; Pollution control; Water quality; Waste water treatment; Biological treatment; Legislation

123 NAL Call. No.: TD424.35.T2W37
Water quality concerns in the EC.
Knoxville, Tenn. : Agricultural Extension Service, the University of Tennessee, Institute of Agriculture; 1992 Aug.
Water protection conservation management / v. 5 (3): p. 2-3; 1992 Aug.

Language: English

Descriptors: Water quality; Nitrates; Animal wastes; Nitrogen fertilizers; Application; Guidelines

124 NAL Call. No.: 79.9 C122
Water quality management planning for pesticides used in trees and vines.
Pepple, M.W.
Fremont, Calif. : California Weed Conference; 1994.
Proceedings / v. 46: p. 81-87; 1994. Meeting held January 17-19, 1994, San Jose, California.

Language: English

Descriptors: Pesticides; Environmental legislation; Water quality; Woody plants; Pesticide residues; Groundwater pollution

125

NAL Call. No.: aSD11.A42

Water quality management tools for national and western nonpoint source control.

Dean, R.

Fort Collins, Colo. : Rocky Mountain Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture; 1993.

General technical report RM / (226): p. 3-7; 1993. In the series analytic: Riparian management: common threads and shared interests. Paper presented at a conference on Feb. 4-6, 1993, Albuquerque, New Mexico.

Language: English

Descriptors: U.S.A.; Cabt; Water pollution; Environmental policy; Finance; Regulations

126

NAL Call. No.: S561.6.I8I572

Water quality proponent praises nitrogen reduction.

Carver, N.

Ames, Iowa : Integrated Farm Management/Model Farms, Iowa State Universtiy Extension Service; 1993 Jan.

Inside edge v. 3 (1): p. 1, 4; 1993 Jan.

Language: English

Descriptors: Iowa; Groundwater; Protection; Water quality; Nitrogen fertilizers; Usage; Pesticides; Legislation

127

NAL Call. No.: 56.8 J822

What progress in improving water quality?.

Wayland, R.

Ankeny, Iowa : Soil and Water Conservation Society of America; 1993 Jul.

Journal of soil and water conservation v. 48 (4): p. 261-266; 1993 Jul. In the special edition: The next generation of U.S. agricultural conservation policy. Paper presented at the conference "The Next Generation of U.S. Agricultural Policy", March 14-16, Kansas City, Missouri.

Language: English

Descriptors: U.S.A.; Water quality; Environmental legislation; Water pollution; Pollution control

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