Hazardous and Toxic Waste Management January 1989 - May 1993

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HAZARDOUS AND TOXIC WASTE MANAGEMENT

SEARCH STRATEGY

Line Command

- 1. s (toxic? or hazard? or biohazard? or chemical?)()(Waste? or substance? or garbage or refuse)
- 2. s s1 and (dispos? or transport? or stor? or treat? or incinerat? or manag? or site? ? or regulat?)
- 3. s s2 and PY=1989:1993

Hazardous and Toxic Waste Management

1 NAL Call No: TD1020.F67 1991 Abstract proceedings Third Forum on Innovative Hazardous Waste Treatment Technologies, Domestic and International : Dailas, TX, June 11-13, 1991. (Third Forum on Innovative Hazardous Waste Treatment Technologies, Domestic and International.)

United States, Environmental Protection Agency, Office of Solid Waste and Emergency Response, Risk Reduction Engineering Laboratory (U.S.)

Forum on Innovative Hazardous Waste Treatment Technologies: Domestic and International 3rd : 1991 : Dallas, TX.

Washington, D.C. : Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency; Cincinnati, OH : Risk Reduction Engineering Laboratory, U.S. Environmental Protection Agency.

74 p.; 23 cm. Office of Solid Waste and Emergency Response. September 1991. EPA/540/2-91/016.

Language: English

Descriptors: Hazardous wastes

2 NAL Call No: Videocassette no.709 Accidents will happen a small town guide to planning for hazardous materials response. (Small town guide to planning for hazardous materials response.)

National Center for Small Communities (National Association of Towns and Townships), National Center for Hazard Communication (U.S.), Maguire/Reeder Ltd

Washington, D.C. : Maguire/Reeder : National Association of Towns and Townships.

1 videocassette (14 min.) : sd., col. ; 1/2 in. + 1 guidebook + 1 audio-visual facilitator's guide. VHS. "Training package was funded by a grant from the W.K. Kellogg Foundation of Battle Creek, Mich.", P. [i] of guidebook.

Language: English

Descriptors: Hazardous substances; Accidents; Management

3 NAL Call No: KF27.P89632 1991a Administration of the federal Superfund program hearings before the Subcommittee on Investigations and Oversight of the Committee on Public Works and Transportation, House of Representatives, One Hundred Second Congress, first session, October 3, 29; November 12, 13, 1991.

United States. Congress. House. Committee on Public Works and Transportation. Subcommittee on Investigations and Oversight

Washington : U.S. G.P.O. : For sale by the U.S. G.P.O., Supt. of Docs., Congressional Sales Office; Y 4.P 96/11:102-44.

v, 763 p. : ill. ; 24 cm. Distributed to some depository libraries in microfiche. Shipping list no.: 92-321-P. 102-44. Includes bibliographical references.

Language: English

Descriptors: Liability for hazardous substances pollution damages; Hazardous waste sites

4 NAL Call No: TD1030.A48 Alternative biological treatment processes for remediation of creosote- and PCP-contaminated materials bench-scale treatability studies.

Environmental Research Laboratory (Gulf Breeze, Fla.)

Gulf Breeze, Florida : U.S. Environmental Protection Agency, Office of Research and Development, Environmental Research Laboratory,.

vii, 88 p. : ill., map ; 28 cm. Contract number 68-033479. EPA/600/9-90/049. March 1991.

Language: English

Descriptors: Creosote; Pollutants; Hazardous substances

5 NAL Call No: TP248.65.E59T47 1991 Applications of molecular biology techniques to the remediation of hazardous waste. Ensiey, B.D.

New York : Plenum Press.

Applications of enzyme biotechnology / edited by Jeffery W. Kelly and Thomas O. Baldwin. p. 181-190; 1991. (Industry-university cooperative chemistry program symposia). Paper presented at the Texas A&M University IUCCP Ninth Annual Symposium, March 18-21, 1991, College Station, Texas. Includes references.

Language: English

Descriptors: Bacteria; Escherichia coli; Metabolic detoxification; Organic compounds; Wastes; Biological treatment; Bioremediation; Molecular biology; Molecular genetics; Recombinant DNA; Genetic engineering; Microbial degradation

6 NAL Call No: NBUQH545 W3 A676 1990 Aquatic toxicology and risk assessment Thirteenth volume.

Landis, Wayne G.; Schalie, William H. van der ASTM Committee E-47 on Biological Effects and

Environmental Fate, ASTM Committee E-47 on Biological Effects and Environmental Fate, Subcommittee E47.01 on Aquatic Toxicology Philadelphia, PA : ASTM,.

378 p. ill. maps; 24 cm. (ASTM special technical publication; 1096). "The 13th Symposium on Aquatic Toxicology and Risk Assessment was held in Atlanta, Georgia, on 16-18 April 1989.", Foreword. "The event was sponsored by ASTM Committee D-47 on Biological Effects and Environmental Fate and its Subcommittee E47.01 on Aquatic Toxicology.", Foreword. Includes bibliographical references and indexes.

Language: English

Descriptors: Water; Pollution; Toxicology; Congresses; Water; Pollution; Environmental aspects; Congresses; Hazardous substances; Risk assessment; Congresses; Risk assessment; Congresses

7 NAL Call No: TD1060.B64 Assessing the geochemical fate of deep-wellinjected hazardous waste a reference guide. Boulding, Russell

Center for Environmental Research Information (U.S.), Robert S. Kerr Environmental Research Laboratory

Cincinnati, OH : U.S. Environmental Protection Agency, Office of Research and Development, Center for Environmental Research Information; Ada, Okla. : Robert S. Kerr Environmental Research Laboratory; EP 1.8:G 29/2.

xvi, 183 p. : ill., maps ; 28 cm. June 1990. EPA/625/6-89/025a. Includes bibliographical references.

Language: English

Descriptors: Waste disposal in the ground; Hazardous wastes; Hazardous substances; Injection wells

8 NAL Call No: RA1270.P35A1 Bacterial abundance and activity in hazardous waste-contaminated soil.

Dean-Ross, D.

New York, N.Y. : Springer-Verlag.

Bulletin of environmental contamination and toxicology v. 43 (4): p. 511-517; 1989 Oct. Includes references.

Language: English

Descriptors: Soil pollution; Waste treatment; Microbial degradation; Bacterial count; Phenols; Models; Substrates

9 NAL Cali No: TD1042.C22L56 Baseline public health assessment for CERCLA investigations at the LLNL Livermore Site.

Layton, David W.; Daniels, J. I.; Isherwood, W. I.; Bogen, Kenneth

Lawrence Livermore National Laboratory

Livermore, Calif. : Lawrence Livermore National Laboratory, University of California,.

xiii, 297 p. : ill. ; 28 cm. Manucript date: September 30, 1990. UCRL-53953. Includes bibliographical references.

Language: English

Descriptors: Hazardous wastes; Pollution

10 NAL Call No: TD1052.P58 Basic concepts of contaminant sorption at hazardous waste sites.

Piwoni, Marvin D.; Keeley, Jack W.

United States, Environmental Protection Agency, Office of Research and Development, United States, Environmental Protection Agency, Office of Solid Waste and Emergency Response

Ada, OK : Superfund technology Support Center for Ground Water, Robert S. Kerr Environmental Research Laboratory,.

7 p. : ill.; 28 cm. (Ground water issue). Caption title. At head of title: United States Environmental Protection Agency, Office of Research and Development, Office of Solid waste and Emergency Response. EPA/540/4-90/053. October 1990. Includes bibliographical references (p. 6-7).

Language: English

Descriptors: Hazardous waste sites; Soil absorption and adsorption

11 NAL Call No: aT55.3.H3U5 Beltsville area safety, occupational health, and environmental protection I. Hazardous Waste Management Symposium.

United States. Agricultural Research Service. Beltsville Area Safety, Occupational Health, and Environmental Protection Section

Beltsville, Md.? : The Section?, 1990?

1 v. (loose-leaf) ; 30 cm. + 1 pamphlet + 1 program agenda. Cover title. Accompanied by: RCRA Training Program Agenda, January 18, 1990, and 1 pamphlet entitled BARC emergency procedures.

Language: English

Descriptors: Hazardous wastes; United States; Congresses 12 NAL Call No: GB701.W375 no.91-4140 Benthic invertebrates in Lake Marion and selected tributaries in the vicinity of a hazardous-waste landfill near Pinewood, South Carolina, 1988. Belval. Donna L.

South Carolina Public Service Authority, Geological Survey (U.S.)

Columbia, S.C. : U.S. Dept. of the Interior, U.S. Geological Survey; Denver, CO : Books and Open-File Reports Section [distributor].

iv, 52 p. : ill. ; 28 cm. (Water-resources investigations report ; 91-4140). Includes bibliographical references (p. 52).

Language: English

Descriptors: Benthos; Hazardous waste sites; Freshwater fauna

13 NAL Call No: TD196.P38L66 Beyond long-range transport: a model of a global gas chromatographic system.

Risebrough, R.W.

Chelsea, Mich. : Lewis Publishers.

Long range transport of pesticides / David A. Kurtz, editor. p. 417-426; 1990. Literature review. Includes references.

Language: English

Descriptors: Organochlorine compounds; Pesticide residues; Toxic substances; Water pollution; Air pollutants; Gas chromatography; Literature reviews; Movement; Simulation models

14 NAL Call No: TX501.R48 Bioavailability to plants of sludge-borne toxic organics.

O'Connor, G.A.; Chaney, R.L.; Ryan, J.A.

New York, N.Y. : Springer-Verlag.

Reviews of environmental contamination and toxicology v. 121: p. 129-155; 1991. Literature review. Includes references.

Language: English

Descriptors: Sludges; Waste disposal; Plants; Toxic substances; Organic compounds; Bioavailability; Literature reviews

15 NAL Call No: QD1.A45 Biodegradation of munition waste, TNT (2,4,6trinitrotoluene), and RDX (hexahydro-1,3,5trinitro-1,3,5-triazine) by Phanerochaete chrysosporium.

Fernando, T.; Aust, S.D.

Washington, D.C. : The Society.

ACS Symposium series - American Chemical Society (468): p. 214-232; 1991. In the series analytic: Emerging technologies in hazardous waste management ii / edited by P. W. Tedder and F. G. Pohland, Includes references.

Language: English

Descriptors: Phanerochaete chrysosporium; Biodegradation; Triazines; Soil pollution

Abstract: Rapid biodegradation of TNT (2,4,6trinitro-toluene) and RDX (hexahydro-1.3.5trinitro-1,3,5-triazine) by the white rot fungus Phanerochaete chrysosporium BKM F-1767 was observed. At an initial concentration of 1.25 nmoles/10 ml cultures of P. chrysosporium, 50.8 +/-3.2% of the [(14)C] TNT was degraded to (14)CO2 in 30 days and only 2.8% of the initial TNT could be recovered. In RDX contaminated liquid cultures, (1.25 nmoles/10 ml cultures), 66.6 +/-4.1% of the [(14)C] RDX was converted to (14)CO2 over a 30 day period and only 4% of the initial RDX was recovered. In soil, slow but sustained degradation, 6.3 + / - 0.6% of the [(14)C] TNT initially present, i.e., 57.9 nmoles/110 g soil, was mineralized over a 30 day incubation. In contrast. 76.0 + /- 3.9% of the [(14)C] RDX added, (1.25 nmoles/10 g soil), was degraded to (14)CO2 in 30 days. Mass balance analyses of liquid and soil cultures contaminated with TNT revealed that polar metabolites were formed, and HPLC analysis indicated that not more than 5% of the radioactivity remained as undegraded TNT. However, the mass balance analyses of liquid (10 ml) and soil (10 g) cultures contaminated with 1.25 nmoles of [(14)C] RDX showed no metabolites. When the concentration of TNT in cultures (both liquid and soil) was adjusted to contamination levels in the environment, i.e., 10,000 mg/kg in soil and 100 mg/liter in water, 18.4 +/- 2.9% and 19.6 +/-3.5% of the initial TNT was converted to (14)CO2 in 90 days in soil and liquid cultures, respectively. In both systems, about 85% of the initial TNT disappeared over a 90 day incubation period. These results suggest that P. chrysosporium may be useful for the reclamation of sites contaminated with TNT and RDX.

16 NAL Call No: TD419.R47 Biological fixed-film systems.

Hao, O.J.; Davis, A.P.; Phull, K.K.

Alexandria, Va. : The Federation.

Research journal of the Water Pollution Control Federation v. 62 (4): p. 406-413; 1990 Jun. Includes references.

Language: English

Descriptors: Waste water treatment; Toxic substances; Techniques; Biological fixed-film systems; Research projects

17 NAL Call No: TD1052.B56 1989 Biological monitoring systems for hazardous waste sites production and analysis of analytical reference materials.

Bohman, V. R.

Environmental Monitoring Systems Laboratory (Las Vegas, Nev.)

Las Vegas, Nevada : Environmental Monitoring Systems Laboratory, Office of Research and Development, U.S. Environmental Protection Agency.

xvi, 174 p. : ill. February 1989. "Prepared for Environmental Monitoring Systems Lab. Las Vegas, NV", Cover. PB89-155204. EPA/600/4-89/007. Contract numbers CR-809787, 68-03-3100 (Task 2), 68-03-3050 (Task 75), 68-02-3173 (Task 67). Includes bibliographical references (p. 92-93).

Language: English

Descriptors: Hazardous waste sites; Cattle; Biological monitoring

18 NAL Call No: TD420.A1P7 Biophysical treatment facility for hazardous waste landfill leachates.

Lebel, A.; Meeden, R.; Stirrat, B.A.

Oxford : Pergamon Press.

Water science and technology : a journal of the International Association on Water Pollution Research and Control v. 21 (12): p. 1655-1656; 1989. Paper presented at the "Fourteenth Biennial Conference of the International Association on Water Pollution Research and Control," July 18-21, 1988, Brighton, United Kingdom. Includes references.

Language: English

Descriptors: California; Groundwater; Water pollution; Landfill leachates; Landfills; Hazards; Wastes; Biophysics; Treatment

19 NAL Call No: QH540.J6 Biotechnology and hazardous waste treatment. Stroo, H.F.

Madison, Wis. : American Society of Agronomy. Journal of environmental quality v. 21 (2): p. 167-175; 1992 Apr. Includes references.

Language: English

Descriptors: Pesticides; Industrial wastes; Biological treatment; Biotechnology; Fungi; Microbial degradation

Abstract: Despite considerable speculation and research on the potential for biotechnology to improve the treatment of hazardous wastes, little progress has been made to date in developing commercially available products and processes. This paper examines the current state of the art and the progress to date, as well as the barriers to biotechnological advances in hazardous waste treatment. The potential applications of biotechnology are also discussed, in terms of the contaminated matrix, the type of reactor technology used and the types of compounds present. The most promising areas for technology development efforts are identified, as well as the critical issues which must be addressed in moving from laboratory-scale testing to the development of commercially-viable technologies.

20 NAL Call No: TD1050.T43B56 1988 Biotechnology Applications in Hazardous Waste Treatment.

Lewandowski, Gordon Engineering Foundation (U.S.) Biotechnology Applications in Hazardous Waste Treatment 1988 : Longboat Key, Fla. New York, NY : Engineering Foundation,. xii, 423 p. ; 26 cm. Includes bibliographical references and index.

Language: English

Descriptors: Hazardous wastes

21 NAL Call No: SB950.A1V4 Bird control on containment pond sites. Martin, L.R.; Hagar, S. Davis, Calif. : University of California. Proceedings ... Vertebrate Pest Conference (14th): p. 307-310; 1990 Jul. Meeting held March 6-8, 1990, Sacramento, California. Includes references.

Language: English

Descriptors: Toxic substances; Ponds; Polluted water; Waterfowl; Protection; Bird control; Wire netting; Design; Scarers

22 NAL Call No: RA1221.T69 Cadmium as an uncoupler of respiration in Ulva lactuca.

Webster, E.A.; Gadd, G.M.

New York, N.Y. : John Wiley & Sons. Environmental toxicology and water quality v. 7 (2): p. 189-200; 1992 May. Includes references.

Language: English

Descriptors: Algae; Cadmium; Pollutants; Toxic substances; Water pollution; Toxicity; Respiration pathways; Stimulation; Inhibition; Dosage effects; 2,4-dinitrophenol; Carbonyl compounds; Oligomycin; Potassium nitrate

Abstract: The effect of cadmium on the respiration of Ulva lactuca was examined using an oxygen electrode. Discs of U. lactuca thallus in filtered seawater were either incubated in the dark for 24 h or treated with 20 micromolar 3(3,4dichlorophenyl) 1,1-dimethylurea to inhibit photosystem II dependent noncyclic electron transfer. In both cases, the addition of cadmium, as sulphate, increased respiration, with maximum stimulation occurring at approximately 15 mM; above this concentration respiration declined and at >21 mM inhibitory effects were significant. Dinitrophenol (DNP, 50 micromolar) and carbonyl cyanide m-chlorophenylhydrazone (CCCP, 10 micromolar) also uncoupled respiration of U. lactuca, and when these compounds were used in conjunction with Cd the effects were found to be additive. Oligomycin (12.5 microgram mL-1), which inhibits the mitochondrial ATPase, inhibited U. lactuca respiration but subsequent Cd addition (to 6 mM) resulted in a 2.5 x increase in respiration over control values. DNP had a similar effect when used with oligomycin. DNP and CCCP had a negligible effect on the respiration of KCN-treated discs but the addition of Cd restored respiration to control values, probably because of the formation of insoluble Cd(CN)2. These results demonstrate that Cd can act as a respiratory uncoupler in U. lactuca.

23 NAL Call No: 381 C426 California EPA threatens to ax pesticides. Kirschner, E.

New York, N.Y.: McGraw-Hill :. Chemical week v. 150 (4): p. 9; 1992 Jan29.

Language: English

Descriptors: California; Diethyltoluamide; Pesticides; Regulations; Toxic substances

24 NAL Call No: RC963.A1A7 Cancer mortality in U.S. counties with hazardous waste sites and ground water pollution. Griffith, J.; Duncan, R.C.; Riggan, W.B.; Pellom, A.C.

Washington, D.C. : Heldref Publications.

Archives of environmental health v. 44 (6): p. 360; 1989 Nov. Errata: Tables 5 and 6 from Archives of Environmental Health, vol. 44 (2), March/April 1989.

Language: English

Descriptors: U.S.A.; Groundwater pollution; Waste disposal; Hazards; Carcinogens; Carcinoma; Toxic substances; Risks; Mortality; Drinking water; Trends

25 NAL Call No: RC963.A1A7 Cancer mortality in U.S. counties with hazardous waste sites and ground water pollution.

Griffith, J.; Duncan, R.C.; Riggan, W.B.; Pellom, A.C.

Washington, D.C. : Heldref Publications.

Archives of environmental health v. 44 (2): p. 69-74; 1989 Mar. Includes references.

Language: English

Descriptors: U.S.A.; Groundwater pollution; Waste disposal; Hazards; Carcinogens; Carcinoma; Toxic substances; Risks; Mortality; Drinking; Water; Trends

26 NAL Call No: GB701.W375 no.90-4065 Characterization of ground-water flow and chemical transport beneath two irrigated fields in south-central Kansas, 1988. (Characterization of ground water flow and chemical transport beneath two irrigated fields in south-central Kansas, 1988.)

Rutledge, A. T.; Helgesen, John O.

Toxic Waste-Ground-Water Contamination Program (U.S.), Geological Survey (U.S.)

Lawrence, Kan. : U.S. Dept. of the Interior, U.S. Geological Survey ; Denver, Colo. : Books and Open-File Reports Section [distributor],.

vi, 37 p. : ill., map ; 28 cm. (Water-resources investigations report ; 90-4065). Includes bibliographical references (p. 36-37).

Language: English

Descriptors: Groundwater flow; Geochemistry

27 NAL Call No: TD420.A1E5 Characterization of the carboxylate groups on Datura innoxia using Eu(III) luminescence. Ke, H.Y.D.; Birnbaum, E.R.; Darnall, D.W.; Rayson, G.D.; Jackson, P.J.

Washington, D.C. : American Chemical Society. Environmental science & technology v. 26 (4): p. 782-788; 1992 Apr. Includes references.

Language: English

Descriptors: Datura fastuosa; Cell walls; Carboxylation; Groups; Binding; Heavy metals; Ions; Binding site; Fluorescence; Waste water treatment; Extraction; Toxic substances

28 NAL Call No: TD930.A32 Charred waste of oxalic acid plant as an adsorbent of toxic ions and dyes.

Shukia, N.; Pandey, G.S.

Essex : Elsevier Applied Science Publishers.

Biological wastes v. 32 (2): p. 145-148; 1990. Includes references.

Language: English

Descriptors: Terminalia tomentosa; Bark products; Oxalic acid; Waste utilization; Adsorbents; Toxic substances; Dyes; Industrial wastes; Waste water treatment

29 NAL Call No: RA565.A1E54 Chemical substance transport in soils and its effect on groundwater quality.

Khublarian, M.G.

Research Triangle Park, N.C. : National Institute of Environmental Health Sciences.

E.H.P. Environmental health perspectives v. 83: p. 31-37; 1989 Nov. Includes references.

Language: English

Descriptors: Soil chemistry; Water composition and quality; Seepage; Groundwater pollution

30 NAL Call No: KF26.E675 1989 Chemicals and food crops hearing before the Subcommittee on Toxic Substances, Environmentai Oversight, Research and Development of the Committee on Environment and Public Works, United States Senate, One Hundred First Congress, first session, May 15, 1989.

United States. Congress. Senate. Committee on Environment and Public Works. Subcommittee on Toxic Substances, Environmental Oversight, Research and Development

Washington [D.C.]: U.S. G.P.O.: For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.,.

iii, 256 p. : ill. ; 24 cm. (S. hrg. ; 101-107). Distributed to some depository libraries in microfiche. Item 1045-A, 1045-B (microfiche). Includes bibliographical references.

Language: English

Descriptors: Pesticides; Toxicology; United States

Abstract: This hearing reviews the regulatory framework in place to address the safe use of chemicals on foods. The potential health consequences of dieting exposure to neurotoxic substances and the carcinogenic risks of pesticides in general and fungicides in particular are considered. Testimony was received from federal government officials (General Accounting Office and the Environmental Protection Agency), consumer advocates environmentalists, medicial school faculty and industry representatives.

31 NAL Call No: SB951.C57 1990 Citizen's guide to pesticides., 4th ed.

United States, Environmental Protection Agency Washington, DC : U.S. Environmental Protection Agency; EP 5.8:C 49/2.

24 p. : ill., map ; 23 cm. Cover title. Pesticides and toxic substances (H7506C). April 1990. 20T-1003.

Language: English

Descriptors: Pesticides; Handbooks, manuals, etc

Abstract: This EPA pesticides guide for the general public includes information on pest control options, safe pesticide handling, storage and disposal practices, calculating proper dosage, selecting a pest control company, reducing pesticide exposure, and dealing with a pesticide poisoning emergency. Addresses and telephone numbers of EPA Regional Offices and Headquarters and State Pesticide Agencies are provided.

32 NAL Call No: KF27.E5585 1989 Cleanup at federal facilities hearing before the Subcommittee on Transportation and Hazardous Materials of the Committee on Energy and Commerce, House of Representatives, One Hundred First Congress, first session, on H.R. 765 ... February 23, 1989.

United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Transportation and Hazardous Materials

Washington, [D.C.] : U.S. G.P.O. : For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.En 2/3:101-4.

iii, 292 p. : ill., 1 map ; 24 cm. Distributed to some depository libraries in microfiche. Shipping list no.: 89-321-P. Serial no. 101-4. Includes bibliographical

references.

Language: English

Descriptors: Hazardous wastes; Law and legislation; United States; Refuse and refuse disposal; United States

33 NAL Cail No: TD1050.T43U54 1992 Cleanup technology better management for DOE's technology development program : report to Congressional requesters. (Better management for DOE's technology development program.)

United States. General Accounting Office Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20877) : The Office

[distributor; GA 1.13:RCED-92-145.

10 p. ; 28 cm. Cover title. April 1992. GAO/RCED-92-145. "B-247569", P. 1. Includes bibliographical references.

Language: English

Descriptors: Hazardous wastes

34 NAL Call No: 293.8 SE8 Colorado's biomonitoring regulation: a blueprint for the future.

Michael, G.Y.; Egan, J.T.; Grimes, M.M.

Alexandria, Va. : The Federation.

Journal - Water Pollution Control Federation v. 61 (3): p. 304-309. ill; 1989 Mar. Includes references.

Language: English

Descriptors: Colorado; Toxic substances; Waste water treatment; Regulations; Monitoring; Water composition and quality; Water pollution; Law enforcement; Effluents

35 NAL Call No: TD1040.C65 Coming clean Superfund problems can be solved. (Superfund problems can be solved, .)

United States, Congress, Office of Technology Assessment

Washington, DC : Congress of the U.S., Office of Technology Assessment : For sale by the Supt. of Docs., U.S. G.P.O.,.

vi, 223 p. : ill. ; 26 cm. "October 1989", P. [4] of cover. "OTA-ITE-433", P. [4] of cover. Includes bibliographical references and index.

Language: English

Descriptors: Hazardous waste sites; United States; Hazardous waste sites; Government policy; United States; Liability for hazardous substances pollution damages; United States; Environmental policy; United States

36 NAL Call No: QL55.15 Controlling hazardous substances in animal rooms and laboratories.

Waterman, L.

Sussex : The Institute.

Animal technology : journal of the Institute of Animal Technology v. 42 (1): p. 19-22; 1991 Apr. Includes references.

Language: English

Descriptors: Health hazards; Laboratories; Hygiene; Sanitation; Safety at work; Risk; Disinfectants; Drugs; Allergens; Legislation

Abstract: An overall approach to implementing the new Control of Substances Hazardous to Health (COSHH) Regulations 1988 is discussed. Examples discussed to illustrate the issues raised are the use of disinfectants, animal dosing and laboratory animal allergy. The strategy of assessment, control and monitoring is elucidated in the context of these examples.

37 NAL Call No: TD883.H66 Countermeasures to airborne hazardous chemicals.

Holmes, J. M.; Byers, C. H.

Park Ridge, N.J. : Noyes Data Corp.,.

xiii, 330 p. : ill. ; 24 cm. (Pollution technology review, no. 182). Includes bibliographical references (p. 316-326).

Language: English

Descriptors: Air quality management; Hazardous substances; Environmental aspects

38 NAL Call No: TP669.I57 Cutting hazardous waste in edible oil facilities. Wilson, S.C.

Champaign, Ill. : American Oil Chemist's Society. International news on fats, oils and related materials v. 3 (2): p. 177, 179-180, 182-184, 186; 1992 Feb. Includes references.

Language: English

Descriptors: Oils; Hazards; Waste disposal; Health hazards; Pollution; Waste treatment

39 NAL Call No: TD420.A1P7 Decomposition of pentachlorophenol by anaerobic digestion.

Kudo, A.

Oxford : Pergamon Press.

Water science and technology : a journal of the International Association on Water Pollution Research and Control v. 21 (12): p. 1685-1688. ill; 1989. Paper presented at the "Fourteenth Biennial Conference of the International Association on Water Pollution Research and Control," July 18-21, 1988, Brighton, United Kingdom. Includes references.

Language: English

Descriptors: Pentachlorophenol; Toxic substances; Anaerobic treatment; Biological treatment; Decomposition

40 NAL Call No: KF27.G655 1987c Delays and weaknesses in EPA's program to ensure proper closure of hazardous waste sites hearing before a subcommittee of the Committee on Government Operations, House of Representatives, One Hundredth Congress, first session, December 15, 1987.

United States. Congress. House. Committee on Government Operations. Environment, Energy, and Natural Resources Subcommittee

Washington [D.C.] : U.S. G.P.O. : For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.G 74/7:H 33/10.

iii, 163 p. : ill. ; 24 cm. Distributed to some depository libraries in microfiche.

Language: English

Descriptors: Hazardous waste sites; United States; Environmental protection; United States

41 NAL Call No: TD1064.D47 1992 Deserts as dumps? the disposal of hazardous materials in arid ecosystems., 1st ed.

Reith, Charles C.; Thomson, Bruce M.,

Albuquerque : University of New Mexico Press,. xvii, 330 p. : ill., maps ; 27 cm. Includes bibliographical references and index.

Language: English

Descriptors: Hazardous wastes; Waste disposal in the ground; Arid regions

42 NAL Call No: TD1060.M34 1991 Design and operational parameters of transportable supercritical water oxidation waste destruction unit.

McFarland, Robert D.; Brewer, G. Ray; Rofer, Cheryl K.

Los Alamos National Laboratory

Los Alamos, N.M. : Los Alamos National Laboratory.

27 p. : ill. ; 28 cm. Issued: December 1991. LA-12216-MS. UC-940. Includes bibliographical references (p. 27).

Language: English

Descriptors: Hazardous wastes

43 NAL Call No: QH540.J6 Determination of total metals in sewage sludges by ion chromatography.

Basta, N.T.; Tabatabai, M.A.

Madison, Wis. : American Society of Agronomy. Journal of environmental quality v. 20 (1): p. 79-88; 1991 Jan. Includes references.

Language: English

Descriptors: Iowa; Sewage sludge; Soil analysis; Methodology; Soil pollution; Waste disposal; Heavy metals; Cadmium; Copper; Lead; Nickel; Zinc; Toxic substances

Abstract: An accurate and precise ion chromatographic (IC) method for determination of total Cu, Mn, Ni, Pb, and Zn was developed. The method consists of three steps: (i) digestion of the soil sample by using HNO3, HClO4 and HF; (ii) extraction of the metals by using dithizone in CHCl3; and (iii) destruction of the metal-dithizonate complex with HNO3 and determination of the metals by IC. The IC system consisted of a guard (HPIC-CG5) column and separator (HPIC-CS5) column followed by postcolumn reaction with 4-(2pyridylazo) resorcinol (PAR) to form colored metal complexes. The absorbance of the metal-PAR complexes was measured by a UV-VIS detector at 520 nm. Two different eluents were required for separation of these metals. Simultaneous determination of Cd, Cu, Mn, and Zn was achieved by using in eluent containing 4 mM 2,6pyridinedicarboxylic acid and 50 mM HOAc-NaOAc buffer (pH 4.8). Simultaneous determination of Cu, Ni, Pb, and Zn was accomplished by using an eluent containing 40 mM oxalic acid and 50 mM HOAc-LiOAc buffer (pH 4.8). Results by the IC method for determination of total Cu, Mn, Nt Pb, and Zn in several diverse sewage sludges were in good agreement with those obtained by atomic absorption spectrophotometry (AA). Results also showed that the proposed IC method is precise and has the same degree of precision as that of AA. Also, the sensitivity and detection limits of IC for these metals are similar to those of flame AA.

44 NAL Call No: QD1.A45 Detoxification of organophosphorus pesticide solutions: immobilized enzyme system.

Havens, P.L.; Rase, H.F.

Washington, D.C. : The Society.

ACS Symposium series - American Chemical Society (468): p. 261-281; 1991. In the series analytic: Emerging technologies in hazardous waste management ii / edited by P. W. Tedder and F. G. Pohland. Includes references.

Language: English

Descriptors: Organophosphorus pesticides; Biodegradation; Hydrolases; Immobilization

Abstract: Increased regulation of pesticidal chemicals has made the disposal of wastes generated by pesticide users an increasing concern from both an environmental and an economic standpoint. This work utilizes an immobilized enzyme system to degrade pesticides in the organophosphate (OP) class which, while extensively used worldwide on many crops, are often highly toxic to non-target organisms. An enzyme derived from an overproducing strain of Pseudomonas diminuta, called parathion hydrolase (PH), carries out a hydrolysis of the phosphate ester bond in the OP molecule, resulting in an as much as 100-fold reduction in toxicity. Partially purified PH was covalently immobilized upon several rigid supports and retained a large degree of its activity upon immobilization. Three activated controlled pore glasses and a beaded polymer were found to be promising supports for application of the enzyme to the detoxification of contaminated waste waters, offering high mechanical stability and high enzyme capacities. A comparison was made of the four supports on the basis of specificity of binding, amount of protein loading and stability over time. The immobilized enzyme was capable of reducing the concentration of several OP pesticides to subppm levels in both solutions of purified OP's and commercial formulations of commonly used compounds. A fieldscale system was designed and its economics were evaluated.

45 NAL Call No: 64.8 C883 Differential genotypic response to drought stress and subsoil aluminum in soybean.

Goldman, I.L.; Carter, T.E. Jr; Patterson, R.P. Madison, Wis. : Crop Science Society of America. Crop science v. 29 (2): p. 330-334; 1989 Mar. Includes references.

Language: English

Descriptors: North Carolina; Glycine max; Genotypes; Stress response; Drought; Water stress; Aluminum; Subsoil; Toxic substances; Genotype environment interaction; Introduced species; Transpiration; Water potential; Dry matter accumulation; Diffusion resistance; Water content

Abstract: Soybean [Glycine max (L.) Merr.] producers in the southeastern USA are often confronted with the problems of drought and toxic levels of subsoil Al. Our objective in this study was to determine the reaction of diverse soybean genotypes to combined effects of these two stress factors. Greenhouse studies were initiated to examine the problem. Two levels of Al saturation in a subsoil layer (6 and 71%), two levels of soil moisture (watered vs. unwatered), three genotypes ('Forrest', breeding line N77-114, and PI 416937), and three sampling dates were used as treatments. Data were collected during a 14-d drying cycle imposed at early to midpodfilling. Control pots were watered daily. Traits measured were relative water content, water potential, transpiration, diffusive resistance, leaf weight, and stem weight. In the combined presence of drought and Al stress, the Plant Introduction (PI) maintained a substantially higher relative water content, water potential, transpiration, and leaf weight than Forrest or N77-114. Under drought stress alone, the water status of the PI was inferior to that of Forrest and N77-114. These data suggest that Al tolerance can impart drought tolerance when subsoil Al is present. In regions where subsoil Al toxicity and drought are common, breeders should consider Al screening of germplasm to efficiently characterize and develop drought tolerant cultivars.

46 NAL Call No: TD196.C5D56 1991 Dioxin treatment technologies.

United States, Congress, Office of Technology Assessment

Washington, DC : Congress of the U.S., Office of Technology Assessment : For sale by the U.S. G.P.O., Supt. of Documents,.

vii, 68 p. : ill. ; 26 cm. (Background paper). "November 1991", P. [4] of cover. "OTA-BP-O-93", P. [4] of cover. Includes bibliographical references.

Language: English

Descriptors: Dioxins; Hazardous waste sites

47 NAL Call No: 275.29 AL14 Disposal of household chemical wastes.

Speakman, G. Auburn, Ala. : The Service.

Circular HE - Alabama Cooperative Extension Service, Auburn University (623): 4 p.; 1990 Nov. In subseries: Housing and Equipment. Includes references.

Language: English

Descriptors: Toxic substances; Chemicals; Waste disposal; Drinking water; Contamination; Households

48 NAL Call No: S544.3.N3C66 Disposal of household hazardous waste.

Crites, A.; Haldeman, V.; Sorenson, C.

Reno, Nev. : The College.

Fact sheet - College of Agriculture, University of Nevada-Reno, Nevada Cooperative Extension (91-15): 4 p.; 1991.

Language: English

Descriptors: Refuse; Contaminants; Waste disposal; Pollutants

49 NAL Call No: 275.29 W27P Disposal of household bazardous waste.

Wagenet, L.; Lemley, A.; Stewart, J.

Pullman, Wash. : The Service.

Extension bulletin - Washington State University, Cooperative Extension Service v.): 4 p.; 1991 May. Includes references.

Language: English

Descriptors: Waste disposal; Health hazards; Toxic substances; Recycling; Non-food products

50 NAL Call No: KF27.E5585 1988c DOE pollution at Fernald, Ohio : hearing before the Subcommittee on Transportation, Tourism, and Hazardous Materials of the Committee on Energy and Commerce, House of Representatives, One Hundredth Congress, second session, on H.R. 3783, H.R. 3784, and H.R. 3785 ... October 14, 1988.

United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Transportation, Tourism, and Hazardous Materials

Washington, [D.C.]: U.S. G.P.O.: For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.En 2/3:100-236.

iii, 210 p. : 1 map ; 24 cm. Distributed to some

depository libraries in microfiche. Serial no. 100-236. Bibliography: p. 77.

Language: English

Descriptors: Radioactive waste disposal; Ohio; Fernald; Hazardous wastes; Law and legislation; United States; Nuclear facilities; Law and legislation: United States

51 NAL Cail No: SB950.2.A1J58 Downgrading dioxin's cancer risk: Where's the science?

Webster, T.

Eugene, Or. : The Coalition.

Journal of pesticide reform : a publication of the Northwest Coalition for Alternatives to Pesticides v. 11 (1): p. 11-14; 1991. Includes references.

Language: English

Descriptors: U.S.A.; Wood preservatives; Toxic substances; Regulations; Carcinogens; Standards; Neoplasms; Risk; Government organizations

52 NAL Call No: TD1.E2 no.89-013 Ecological assessment of hazardous waste sites a field and laboratory reference.

Warren-Hicks, William; Parkhurst, Benjamin R.; Baker, Samuel S.

Kilkelly Environmental Associates, Corvallis Environmental Research Laboratory

Ecological Assessments of Hazardous Waste Sites Workshop 1988 : Seattle, Wash.

Corvallis, OR : U.S. Environmental Protection Agency, Environmental Research Laboratory,.

1 v. (various pagings) : ill. ; 28 cm. March 1989. "Contract number 68-03-3439 to Kilkelly Environmental Associates", T.p. verso. EPA/600/3-89/013. Includes bibliographical references.

Language: English

Descriptors: Hazardous waste sites; United States; Congresses

53 NAL Call No: TD420.A1E5 Ecotoxicity and ecological risk assessment.

Bascietto, J.; Hinckley, D.; Plafkin, J.; Slimak, M. Washington, D.C. : American Chemical Society. Environmental science & technology v. 24 (1): p. 10-15. ill; 1990 Jan. First of a series. Subtitle: Regulatory applications at EPA. Includes references.

Language: English

Descriptors: U.S.A.; Environmental protection; En-

Hazardous and Toxic Waste Management

vironmental pollution; Government organizations; Regulations; Ecology; Risks; Assessment; Pesticide residues; Toxic substances; Water composition and quality; Health hazards

54 NAL Call No: TD420.A1E5 Effect of chemical modification of algal carboxyl groups on metal ion binding.

Gardea-Torresday, J.L.; Becker-Hapak, M.K.; Hosea, J.M.; Darnall, D.W.

Washington, D.C. : American Chemical Society. Environmental science & technology v. 24 (9): p. 1372-1378; 1990 Sep. Includes references.

Language: English

Descriptors: Algae; Biomass; Chemicals; Metal ions; Binding; Methanol; Treatment; Extraction; Toxic substances; Metals; Waste waters

55 NAL Call No: 49 J82 The effect of natural toxins on reproduction in livestock.

James, L.F.; Panter, K.E.; Nielsen, D.B.; Molyneux, R.J.

Champaign, Ill. : American Society of Animal Science.

Journal of animal science v. 70 (5): p. 1573-1579; 1992 May. Literature review. Includes references.

Language: English

Descriptors: Cattle; Sheep; Poisonous plants; Reproductive efficiency; Adverse effects; Toxins

Abstract: Reproductive efficiency is the most important economic factor in livestock production. Thus, the hypothalamo-pituitary-gonadal regulatory axis, accessory sexual organ functionality, and the complex events involved in fertilization, implantation, and embryonic and fetal development may be sensitive to therapeutic agents, environmental pollutants, and natural toxicants. There are many factors that adversely affect reproduction, one of which is toxic substances in the diets of animals. Toxic materials can affect reproductive success by causing abortions, interfering with libido, estrus, oogenesis, or spermatogenesis, causing emaciation and subsequent abnormal mating behavior, birth defects, and increasing the time between parturition annd rebreeding. Examples of natural toxicants in poisonous plants interfering with reproduction are numerous. Abortion in livestock from locoweeds, ponderosa pine needles, broom snakeweeds, fescue, and others are reported in studies. Seelnium and seleniferous forage inhibit estrus in cattle and swine. Emaciation and temporary illness from sneezeweeds, bitterweed, locoweed, larkspur, lupines, and others may interfere with mating. Embryonic loss and birth defects from Veratrum, lupines, locoweeds, poison hemlock, and so on, may occur. As suggested, toxins have many diverse and economically adverse effects on reproductive performance in livestock.

56 NAL Call No: HD205.P84 Effective toxics management: a multi-media perspective.

Morell, D.L.

New York : Praeger.

Public interest in the use of private lands / edited by Benjamin C. Dysart III and Marion Clawson. p. 27-46; 1989. (Environmental regeneration series). Includes references.

Language: English

Descriptors: U.S.A.; Waste treatment; Municipal refuse disposal; Toxic substances; Groundwater pollution; Risks; Air pollution; Environmental policy; Land use

57 NAL Call No: HC79.E5N3 Effects of hazardous waste risks on property transfers: legal liability vs. direct regulation. Dinan, T.; Johnson, F.R.

Albuquerque, N.M. : University of New Mexico School of Law.

Natural resources journal v. 30 (3): p. 521-536; 1990. Includes references.

Language: English

Descriptors: New Jersey; U.S.A.; Land transfers; Waste disposal sites; Regulations; Environmental legislation; Legal liability; Incentives; Public agencies; Federal programs; Cost benefit analysis; Mathematical models

58 NAL Call No: 407 G29W no.2390 Effects of low-level radioactive-waste disposal on water chemistry in the unsaturated zone at a site near Sheffield, Illinois, 1982-84. Peters, C. A.

Washingto [D.C.]: U.S. G.P.O.; Denver, CO: For sale by the Books and Open-File Reports Section, U.S. Geological Survey [distributor],.

vi, 74 p. : ill., maps ; 28 cm. (U.S. Geological Survey water-supply paper ; 2390). Includes bibliographical references.

Language: English

Descriptors: Radioactive waste disposal in the ground; Tritium; Hazardous waste sites

59 NAL Call No: TD172_J6 Electrochemical processing of soils: theory of pH gradient development by diffusion, migration, and linear convection.

Acar, Y.B.; Gale, R.J.; Putnam, G.A.; Hamed, J.; Wong, R.L.

New York, N.Y. : Marcel Dekker.

Journal of environmental science and health : Part A : Environmental science and engineering v. 25 (6): p. 687-714; 1990. Includes references.

Language: English

Descriptors: Soil pollution; Decontamination; Soil treatment; Water; Electrolysis; Ph; Gradients; Movement in soil; Contaminants; Removal; Models; Finite element analysis; Inorganic compounds; Toxic substances

60 NAL Call No: QD1.A45 no.422 Emerging technologies in hazardous waste management.

Tedder, D. W.1946-; Pohland, F. G.

American Chemical Society, Division of Industrial and Engineering Chemistry, American Chemical Society, Division of Industrial and Engineering Chemistry, Winter Symposium(1989: Atlanta, Ga.) Washington, DC: American Chemical Society,. xii, 402 p.: ill.; 24 cm. (ACS symposium series, 422). Developed from a symposium sponsored by the Division of Industrial and Engineering Chemistry, Inc., of the American Chemical Society at the Industrial and Engineering Chemistry Winter Symposium, Atlanta, Georgia, May 1-4, 1989. Includes bibliographical references and indexes.

Language: English

Descriptors: Hazardous wastes; Management; Congresses; Sewage; Purification; Congresses

61 NAL Call No: QD1.A45 no.468 Emerging technologies in hazardous waste management II.

Tedder, D. W.1946-; Pohland, F. G.

American Chemical Society, Division of Industrial and Engineering Chemistry

Washington, DC : American Chemical Society,.

x, 444 p. : ill. ; 24 cm. (ACS symposium series, 468). Developed from a symposium sponsored by the Division of Industrial and Engineering Chemistry, Inc., of the American Chemical Society at the Industrial and Engineering Chemistry Special Symposium, Atlantic City, New Jersey, June 4-7, 1990. Includes bibliographical references and indexes.

Language: English

Descriptors: Hazardous wastes; Sewage; Refuse and refuse disposal

62 NAL Call No: QD1.A45 no.518 Emerging technologies in bazardous waste management III.

Tedder, D. W.1946-; Pohland, F. G.

American Chemical Society, Division of Industrial and Engineering Chemistry

Washington, DC : American Chemical Society,.

xii, 466 p. : ill. ; 24 cm. (ACS symposium series, 518). Developed from a symposium sponsored by the Division of Industrial and Engineering Chemistry, Inc., of the American Chemical Society at the Industrial and Engineering Chemistry Special Symposium, Atlanta, Georgia, October 1-3, 1991. Includes bibliographical references and index.

Language: English

Descriptors: Hazardous wastes; Sewage

63 NAL Call No: QH545.A1E58 Environmental factors affecting toluene degradation in ground water at a hazardous waste site. Armstrong, A.Q.; Hodson, R.E.; Hwang, H.M.; Lewis, D.L.

Elmsford, N.Y. : Pergamon Press.

Environmental toxicology and chemistry v. 10 (2): p. 147-158; 1991. Includes references.

Language: English

Descriptors: Groundwater pollution; Toluene; Microbial degradation; Uptake; Mineralization; Environmental factors

64 NAL Call No: KF27.M434 1991 Environmental bazards created by abandoned barges hearing before the Subcommittee on Coast Guard and Navigation of the Committee on Merchant Marine and Fisheries, House of Representatives, One Hundred Second Congress, first session ... April 29, 1991.

United States. Congress. House. Committee on Merchant Marine and Fisheries. Subcommittee on Coast Guard and Navigation

Washington [D.C.] : U.S. G.P.O. : For sale by the

Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.M 53:102-13.

iii, 63 p. ; 24 cm. Distributed to some depository libraries in microfiche. Shipping list no.: 91-556-P. Serial no. 102-13.

Language: English

Descriptors: Barges; Hazardous substances; Water; Air

65 NAL Call No: TD1030.M56 1991 Environmental hazards toxic waste and hazardous material : a reference handbook.

Miller, E. Willard; Miller, Ruby M. Santa Barbara, Calif. : ABC-CLIO,. xii, 286 p. ; 24 cm. (Contemporary world issues). Includes bibliographical references and index.

Language: English

Descriptors: Hazardous wastes; Hazardous waste sites; Pollution; Environmental law

Abstract: A guide to information on the environmental problems caused by toxic wastes, with suggestions for possible solutions.

66 NAL Call No: TD1032.K6 Environmental management handbook toxic chemical materials and waste.

Kokoszka, Leopold C.; Flood, Jared W.,

New York : M. Dekker,.

xvi, 632 p. : ill. ; 23 cm. Includes bibliographies and index.

Language: English

Descriptors: Hazardous wastes; Handbooks, manuals, etc; Hazardous wastes; United States; Handbooks, manuals, etc; Hazardous substances; Handbooks, manuals, etc; Hazardous substances; United States; Handbooks, manuals, etc

67 NAL Call No: TD420.A1P7 Environmentally desirable approaches for regulating effluents from pulp mills.

Sprague, J.B.

Oxford : Pergamon Press.

Water science and technology : a journal of the International Association on Water Pollution Research and Control v. 24 (3/4): p. 361-371; 1991. In the series analytic: Forest Industry Wastewaters / edited by J. Puhakka, J. Rintala, J. Wartiovaara and P. Heinonen. Proceedings of the 3rd IAWPRC Symposium on Forest Industry Wastewaters, June 5-8, 1990, Tampere, Finland. Includes references. Language: English

Descriptors: Australia; U.S.A.; Canada; Sweden; Finland; Pulp and paper industry; Pulp mill effluent; Water quality; Requirements; Regulations; Toxicity; Waste treatment

68 NAL Call No: QR351.B56 EPA regulations governing release of genetically engineered microorganisms. Milewski, E.A.

New York : McGraw-Hill.

Biotechnology of plant-microbe interactions / [edited by] James P. Nakas and Charles Hagedorn. p. 319-340; 1989. Includes references.

Language: English

Descriptors: Biotechnology; Insecticides; Microbial genetics; Antifungal agents; Rodenticides; Toxic substances

69 NAL Call No: QH545.P4P4844 EPA superfund data bases on the occurrence and distribution of organochlorine pesticides in waters and soils from hazardous waste sites.

McCarty, H.; Eckel, W.; Isaacson, P.; Lynch, M.; Fisk, J.

Blacksburg : Virginia Water Resources Research Center, VPI and State University.

Pesticides in terrestrial and aquatic environments : proceedings of a national research conference, May 11-12, 1989 / edited by Diana L. Weigmann. p. 173-182; 1989. Includes references.

Language: English

Descriptors: U.S.A.; Organochlorine pesticides; Pesticide residues; Soil pollution; Water pollution; Waste disposal sites

70 NAL Call No: HC79.E5N3 Errata: Effects of hazardous waste risks on property transfers: legal liability vs. direct regulation. Dinan, T.; Johnson, R.F.

Albuquerque, N.M. : University of New Mexico School of Law.

Natural resources journal v. 30 (4): p. 918; 1990. In the series analytic: The international law of natural resources and the environment: a selected bibliography / compiled by A. Szekely.

Language: English

Descriptors: New Jersey; U.S.A.; Land transfers; Waste disposal sites; Regulations; Environmental legislation; Legal liability; Incentives; Public agencies; Federal programs; Cost benefit analysis; Mathematical models

71 NAL Call No: 449.9 AI7 Evaluation of a statewide matching grant program for the collection of household hazardous waste.

Kelley, B.G.; Goldwater, C.S.; Brown, M.S.

Pittsburgh, Pa. : Air & Waste Management Association.

JAPCA v. 39 (4): p. 427-430; 1989 Apr. Includes references.

Language: English

Descriptors: Massachusetts; Households; Waste disposal; State government; Program evaluation; Grants; Participation; Cost benefit analysis; Community programs

72 NAL Call No: GB701.W375 no.88-4178 An experiment in representative ground-water sampling for water-quality analysis.

Huntzinger, Thomas L.; Stullken, Lloyd E.

Toxic Waste-Ground-Water Contamination Program (U.S.)

Lawrence, Kan. : The Survey ; Denver, Colo. : Books and Open-File Reports [distributor], 1988 [i.e.; I 19.42/4:88-4178.

iv, 12 p. : ill., 1 map ; 28 cm. (Water-resources investigations report ; 4178.). Bibliography: p. 12.

Language: English

Descriptors: Water, Underground; Kansas; Sampling

73 NAL Call No: 151.65 P96 Exposure to toxic waste sites: an investigative approach.

Stehr-Green, P.A.; Lybarger, J.A.

Washington, D.C. : Public Health Service.

Public health reports v. 104 (1): p. 71-74; 1989 Jan. Includes references.

Language: English

Descriptors: U.S.A.; Environmental pollution; Toxic substances; Health hazards; Waste disposal; Risks; Management; Decision making; Site factors; Pilot projects; Epidemiology; Public health; Surveys

Abstract: Improper dumping and storage of hazardous substances and whether these practices produce significant human exposure and health effects are growing concerns. A sequential approach

has been used by the Centers for Disease Control and the Agency for Toxic Substances and Disease Registry in investigating potential exposure to and health effects resulting from environmental contamination with materials such as heavy metals, volatile organic compounds, and pesticide residues at sites throughout the United States. The strategy consists of four phases: site evaluation, pilot studies of exposure or health effects, analytic epidemiology studies, and public health surveillance. This approach offers a logical, phased strategy to use limited personnel and financial resources of local. State, national, or global health agency jurisdictions optimally in evaluating populations potentially exposed to hazardous materials in waste sites. Primarily, this approach is most helpful in identifying sites for etiologic studies and providing investigative leads to direct and focus these studies. The results of such studies provide information needed for making risk-management decisions to mitigate or eliminate human exposures and for developing interventions to prevent or minimize health problems resulting from exposures that already have occurred.

74 NAL Call No: TD788.F3 Facing America's trash what's next for municipal solid waste?

United States, Congress, Office of Technology Assessment

Washington, DC : Congress of the U.S. Office of Technology Assessment : for sale by the Supt. of Docs., U.S. G.P.O.,.

viii, 377 p. : ill. ; 26 cm. "October 1989", P. [4] of cover. "OTA-O-424", P. [4] of cover. Includes bibliographical references and index.

Language: English

Descriptors: Refuse and refuse disposal; United States; Hazardous wastes; Environmental aspects; United States; Health risk assessment; United States; Sanitary engineering; United States; Environmental policy; United States

75 NAL Cail No: KF26.E647 1991e Federal Facilities Compliance Act of 1991 hearing before the Subcommittee on Environmental Protection of the Committee on Environment and Public Works, United States Senate, One Hundred Second Congress, first session, on S. 596 ... April 16, 1991.

United States. Congress. Senate. Committee on Environment and Public Works. Subcommittee on Environmental Protection Washington : U.S. G.P.O. : For sale by the Supt. of Docs. Congressional Sales Office, U.S. G.P.O.; Y 4.P 96/10:S.hrg.102-70.

iii, 78 p. : ill. ; 24 cm. (S. hrg. ; 102-70). Distributed to some depository libraries in microfiche. Shipping list no.: 91-456-P. Item 1045-A, 1045-B (MF).

Language: English

Descriptors: Hazardous wastes; Environmental law; Government liability; Administrative agencies; Executive departments; Radioactive waste disposal

76 NAL Call No: KF1299.H39Q37 Federal liabilities under hazardous waste laws. Quasebarth, Mollie V.

United States, Congressional Budget Office, United States, Congress, Senate, Committee on Governmental Affairs

Washington : U.S. G.P.O.; Y 4.G 74/9:S.prt.101-95.

iii, 169 p. : ill. ; 24 cm. (S. prt. ; 101-95). Cover title. "Mollie Quasebarth of CBO's Natural Resources and Commerce Division wrote this study", P. 1. At head of title: 101st Congress, 2d session, Committee print. May 1990. Includes bibliographical references.

Language: English

Descriptors: Liability for hazardous substances pollution damages; United States; Liability for environmental damages; United States; Hazardous waste sites; Law and legislation; United States; Toxic torts; United States

77 NAL Call No: KF27.P89632 1989a Food, chemical, garbage backhauling hearing before the Subcommittee on Investigations and Oversight of the Committee on Public Works and Transportation, House of Representatives, One Hundred First Congress, first session, August 2, 1989 (garbage backhauling), October 5, 1989 (food/chemical backhauling).

United States. Congress. House. Committee on Public Works and Transportation. Subcommittee on Investigations and Oversight

Washington [D.C.]: U.S. G.P.O.: For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.P 96/11:101-35.

v, 655 p. : ill. ; 24 cm. Distributed to some depository libraries in microfiche. 101-35.

Language: English

Descriptors: Trucking; United States; Sanitation;

Refuse and refuse disposal; Environmental aspects; United States; Hazardous substances; United States; Transportation; Public health; United States

Abstract: This publication contains testimony presented to the House Subcommittee on Investigations and oversight. The topic discussed is the practice of trucks backhauling on the same trailer that hauls fresh food products. Backhauling chemicals, garbage and municipfal solid waste on trucks that subsequently carry food may pose a food safety problem. Testimony was presented by government and industry officials.

78 NAL Call No: TD1020.P33 1990 From grave to cradle trends in hazardous waste management : an edited compilation of papers from the 1990 Pacific Basin Conference on Hazardous Waste of the Pacific Basin Consortium for Hazardous Waste Research, Honolulu, Hawaii, USA.

Carpenter, Richard A.; Cirillo, Richard R.

Pacific Basin Consortium for Hazardous Waste Research, Carl Duisberg Gesellschaft

Pacific Basin Conference on Hazardous Waste 1990 : Honolulu, Hawaii.

Honolulu, Hawaii : East-West Center, Environment and Policy Institute,.

xi, 452 p. : ill., maps ; 28 cm. Sponsored by Pacific Basin Consortium for Hazardous Waste Research; cosponsored by Carl Duisberg Gesellschaft e.V. ... [et al.]. Includes bibliographical references.

Language: English

Descriptors: Hazardous wastes

79 NAL Call No: TP248.2.B46 Genetic engineering approach to toxic waste management: case study for organophosphate waste treatment.

Coppella, S.J.; DelaCruz, N.; Payne, G.F.; Pogell, B.M.; Speedie, M.K.; Karns, J.S.; Sybert, E.M.; Connor, M.A.

New York, N.Y. : American Institute of Chemical Engineers.

Biotechnology progress v. 6 (1): p. 76-81; 1990 Jan. Includes references.

Language: English

Descriptors: Organophosphorus compounds; Toxicity; Waste treatment; Genetic engineering; Streptomyces

80 NAL Call No: SB950.2.A1J58 Ghosts of pesticides past: DDT and silvex haunt the 1990s.

Bridges, A.

Eugene, Or. : The Coalition.

Journal of pesticide reform : a publication of the Northwest Coalition for Alternatives to Pesticides v. 12 (1): p. 32; 1992. Includes references.

Language: English

Descriptors: Pesticides; Ddt; Phenoxy herbicides; Toxic substances; Waste disposal

81 NAL Call No: HD9975.A2M69 Global dumping ground the international traffic in hazardous waste.

Moyers, Bill D.

Center for Investigative Reporting (U.S.)

Washington : Seven Locks Press,.

xvii, 152 p. : ill. ; 23 cm. Includes bibliographical references (p. 129-138) and index.

Language: English

Descriptors: Hazardous waste management industry; Hazardous waste management industry

82 NAL Call No: TX341.C6 Global trends indicate 4th criterion inevitable. Washington, D.C. : Community Nutrition Institute. Nutrition week v. 21 (28): p. 4-5; 1991 Jul19.

Language: English

Descriptors: Food safety; Codex alimentarius; Federal government; Health protection; Regulations; Health hazards; Hormones; International cooperation; Trends

Abstract: At home and abroad, the federal government is being forced to confront the distasteful reality that U.S. policy on how to protect human health and safeguard the environment is out of touch and out of step. The Codex Alimentarius Commission, the governing body of Codex, overwhelmingly rejected a U.S.-led effort to declare that hormones used to promote growth in food animals do not endanger human health. Codex is the organization that recommends international standards for food additives, chemicals such as hormones, pesticides and other hazardous substances, and contaminants.

83 NAL Call No: TX571.P4G68 Government regulation of pesticides in food the need for administrative and regulatory reform :

report.

United States, Congress, Senate, Committee on Environment and Public Works, Subcommittee on Toxic Substances, Environmental Oversight, Research and Development, United States, Congress, Senate, Committee on Environment and Public Works, United States, Congress. 1989)

Washington : U.S. G.P.O. : For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.,. v, 97 p. ; 24 cm. (S. prt. ; 101-55; Committee print (United States. Congress)). At head of title: 101st Congress, 1st session. Committee print. October 1989. Includes bibliographical references (p. 73-75).

Language: English

Descriptors: Pesticide residues in food; United States; Food adulteration and inspection; United States

Abstract: This report describes the Environmental Protection Agency's (EPA) regulation of pesticide products and recent problems with that regulatory process. The report also presents recommendations for regulatory reform. The history of pesticide statutes and the conflicts between the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and the Federal Food, Drug and Cosmetic Act (FFDCA) is reviewed. The history of the regulation of Alar is an example of the problems that exist in EPA regulations of pesticides.

84 NAL Call No: T55.3.H3Z56 1990 Governmental management of chemical risk regulatory processes for environmental health. Zimmerman, Rae

Chelsea, MI : Lewis Publishers,.

xix, 345 p. : ill. ; 25 cm. (Toxicology and environmental health series). Includes bibliographical references (p. 309-331) and index.

Language: English

Descriptors: Hazardous substances; Risk management

85 NAL Call No: QD1.A45 Great Lakes water quality: a case study. Williams. D.J.

Washington, D.C. : The Society.

ACS Symposium series - American Chemical Society (483): p. 207-223; 1992. In the series analytic: The science of global change: the impact of human activities on the environment / edited by D.A. Dunnette and R.J. O'Brien. Includes references.

Language: English

Descriptors: Water quality; Lakes; Water pollution; Environmental protection; Case studies

Abstract: Pollution of the Laurentian Great Lakes exemplifies the serious problems associated with the impact of human activities on a major aquatic ecosystem. Problems have included serious bacteriological contamination, cultural eutrophication and contamination by hundreds of anthropogenic, potentially toxic substances. Management of the Great Lakes is divided between Canada and the United States and involves eleven governments at federal, state and provincial levels. Despite this environmental and institutional complexity, the Great Lakes have responded dramatically to remediation initiatives. Human impacts on the lakes associated with development of the Great Lakes Basin are discussed in the context of the unique binational arrangements agreed to by the two countries to restore and protect this shared, unique global ecosystem.

86 NAL Call No: QE33.2.R33G76 1991 Ground penetrating radar data acquisition system.

Beck, Robert

Pittsburgh, Pa. : Carnegie Mellon University, Robotics Institute,.

iii, 11 p. : ill. ; 28 cm. (Technical report (Carnegie Mellon University. Robotics Institute) ; CMU-RI-TR-91-11.). June 1991. AD-A240 765. 91-11096. Includes bibliographical references.

Language: English

Descriptors: Ground penetrating radar; Hazardous waste sites; Robots

87 NAL Call No: TD427.H3G76 1992 Groundwater contamination and analysis at hazardous waste sites.

Lesage, Suzanne, 1952-; Jackson, R. E. New York : M. Dekker,.

xv, 545 p. : ill. ; 24 cm. (Environmental science and pollution control ; 4.). Includes bibliographical references and index.

Language: English

Descriptors: Hazardous wastes; Water, Underground; Hazardous waste sites

88 NAL Call No: 500 F66 Ground-water contamination programs of the U.S. Geological Survey in Florida. Kantrowitz, I.H.

Orlando, Fla. : Florida Academy of Sciences. Florida scientist v. 52 (3): p. 214-219. maps; 1989. Includes references.

Language: English

Descriptors: Florida; U.S.A.; Groundwater pollution; Federal programs; Hydrology; Toxic substances; Wastes; Water composition and quality; Water resources; Water use; Federal programs

89 NAL Call No: GB701.W375 no.88-4138 Ground-water levels, water quality, and potential effects of toxic-substance spills or cessation of quarry dewatering near a municipal ground-water supply, southern Franklin County, Ohio. (Ground water levels, water quality, and potential effects of toxic -substance spills or cessation of quarry dewatering near a municipal ground-water supply, southern Franklin County, Ohio.)

Sedam, Alan C.; Eberts, Sandra M.; Bair, E. Scott Columbus (Ohio), Geological Survey (U.S.)

Columbus, Ohio : Dept. of the Interior, U.S. Geological Survey ; Denver, CO : Books and Open-File Reports [distributor].

Open-File Reports [distributor],. vii, 111 p. : ill., forms, maps ; 28 cm. (Waterresources investigations report ; 88-4138). Bibliography: p. 92-95.

Language: English

Descriptors: Water, Underground; Ohio; Franklin County; Water quality; Ohio; Franklin County; Groundwater flow; Ohio; Franklin County

90 NAL Call No: KF27.E5546 1989b Groundwater monitoring at RCRA land disposal facilities hearing before the Subcommittee on Oversight and Investigations of the Committee on Energy and Commerce, House of Representatives, One Hundred First Congress, first session, April 27, 1989.

United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Oversight and Investigations

Washington [D.C.]: U.S. G.P.O. : For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.En 2/3:101-47.

iii, 357 p. : ill. ; 24 cm. Distributed to some depository libraries in microfiche. Shipping list no.: 89-590-P. Serial no. 101-47. Includes bibliographical references.

Language: English

Descriptors: Water, Underground; Pollution;

United States; Hazardous waste sites; United States; Hazardous waste treatment facilities; United States; Environmental monitoring; United States

91 NAL Call No: 275.29 109PA Groundwater quality: toxic cleanup day, community planning guide for lowa.

Stone, J.

Ames, Iowa : The Service.

PM - Iowa State University, Cooperative Extension Service (1364): 39 p.; 1989 May.

Language: English

Descriptors: Iowa; Toxic substances; Waste disposal; Community involvement; Community programs

92 NAL Call No: TD1042.G84 Guide to treatment technologies for hazardous wastes at Superfund sites.

United States, Environmental Protection Agency, Office of Environmental Engineering and Technology Demonstration, Risk Reduction Engineering Laboratory (U.S.)

Washington, DC: Office of Environmental Engineering and Technology Demonstration, U.S. Environmental Protection Agency; Cincinnati, Ohio : Risk Reduction Engineering Laboratory, Office of Research and Development, U.S. Environmental Protection Agency; EP 1.8:H 33/5.

26 p. ; 23 cm. March 1989. EPA/540/2-89/052. Bibliography: p. 21-26.

Language: English

Descriptors: Hazardous wastes; Hazardous waste treatment facilities

93 NAL Call No: TD1064.H3 Handbook on in situ treatment of hazardous waste-contaminated soils.

Risk Reduction Engineering Laboratory (U.S.), PEI Associates

Cincinnati, Ohio : Risk Reduction Engineering Laboratory, Office of Research and Development, U.S. Environmental Protection Agency,.

xi, 157 p. : ill.; 28 cm. "An update of volume 1 of ... Review of in-place treatment techniques for contaminated surface soils (Sims and Bass 1984)", P. 1. Jan. 1990. "This material has been funded ... by the United States Environmental Protection Agency under contract 68-03-3413 to PEI Associates, Inc.", P. ii. Includes index. EPA/540/2-90/002. Includes bibliographical references (p. 125-142).

Language: English

Descriptors: Waste disposal in the ground; Hazardous wastes

94 NAL Call No: KF3775.H365 1991 Harnessing science for environmental regulation. Graham, John D.

New York : Praeger,.

viii, 242 p. : ill. ; 25 cm. Includes bibliographical references (p. [231]) and index.

Language: English

Descriptors: Environmental law; Hazardous substances; Pollution

95 NAL Call No: aZ5071.N3 Hazardous and toxic waste management, January 1979-May 1989.

Reynneils, L.

Beltsville, Md. : The Library.

Quick bibliography series - U.S. Department of Agriculure, National Agricultural Library (U.S.). (90-06): 22 p.; 1989 Oct. Updates QB 88-44. Bibliography.

Language: English

Descriptors: Pollution; Toxic substances; Waste waters; Waste treatment; Waste disposal; Bibliographies

96 NAL Call No: TX24.N8H46 Hazardous household products.

Hammett, W.

Raleigh, N.C. : The Service.

HE - North Carolina Agricultural Extension Service (368-1): 6 p.; 1991 Jan. Includes references.

Language: English

Descriptors: Home safety; Health hazards; Toxic substances; Storage

97 NAL Call No: TD1030.M37 Hazardous waste chemistry, toxicology and treatment.

Manahan, Stanley E.

Chelsea, Mich. : Lewis Publishers,.

xiii, 378 p. : ill. ; 25 cm. Includes bibliographical references.

Language: English

Descriptors: Hazardous wastes

98 NAL Call No: TD1040.U51 Hazardous waste funding of postclosure liabilities remains uncertain : report to the Congress. (Funding of postclosure liabilities remains uncertain.)

United States. General Accounting Office

Washington, D.C. : The Office; GA 1.13:RCED-90-64.

45 p. : ill. ; 28 cm. Cover title. June 1990. GAO/RCED-90-64. "B-237563", P. [1].

Language: English

Descriptors: Hazardous waste treatment facilities; Hazardous waste sites

99 NAL Call No: TD1040.U524 1992 Hazardous waste impediments delay timely closing and cleanup of facilities : report to the Chairman, Environment, Energy, and Natural Resources Subcommittee, Committee on Government Operations, House of Representatives. (Impediments delay timely closing and cleanup of facilities.)

United States. General Accounting Office; United States, Congress, House, Committee on Government Operations, Environment, Energy, and Natural Resources Subcommittee

Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20877) : The Office [distributor; GA 1.13:RCED-92-84.]

48 p. : ill. ; 28 cm. Cover title. April 1992. GAO/RCED-92-84. "B-246603", P. [1]. Includes bibliographical references.

Language: English

Descriptors: Hazardous waste sites; Water, Underground

100 NAL Call No: aHN90.C6R873 Hazardous waste incineration.

Reynnells, M.L. (comp.)

Beltsville, Md. : The Center.

Rural Information Center publication series (1): 29 p.; 1991 Dec. Bibliography.

Language: English

Descriptors: Waste disposal; Rural communities; Environmental impact; Information

101 NAL Call No: KF27.E5585 1989c Hazardous waste landfills hearing before the Subcommittee on Transportation and Hazardous Materials of the Committee on Energy and

Commerce, House of Representatives, One Hundred First Congress, first session, August 9, 1989.

United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Transportation and Hazardous Materials

Washington [D.C.] : U.S. G.P.O. : For sale by the Supt. of Docs., Congressional Sales Office; Y 4.En 2/3:101-89.

iii, 179 p. : ill. ; 24 cm. Distributed to some depository libraries in microfiche. Serial no. 101-89.

Language: English -

Descriptors: Hazardous waste sites; United States; Hazardous waste treatment facilities; United States

102 NAL Call No: Z7914.W37H39 1991 Hazardous waste management.

United States, Environmental Protection Agency, Office of Research and Development, United States, Environmental Protection Agency, Office of International Activities, United States, Environmental Protection Agency, Office of Solid Waste and Emergency Response

Washington, DC: U.S. Environmental Protection Agency, Office of Research and Development : Office of International Activities : Office of Solid Waste and Emergency Response; EP 1.2:H 33/27. 16 p. : ill. ; 22 x 28 cm. Cover title. "EPA TIPs, Technical Information Packages", P. 4 of cover. Shipping list no.: 91-755-P. September 1991. EPA/600/M-91/031.

Language: English

Descriptors: Hazardous waste management industry; Hazardous wastes

103 NAL Call No: TD1040.H375 Hazardous waste management facilities directory treatment, storage, disposal, and recycling. United States, Environmental Protection Agency, Versar, Inc, Camp, Dresser & McKee Park Ridge, NJ., U.S.A. : Noyes & Andrews,. x, 327 p. : ill. ; 25 cm.

Language: English

Descriptors: Hazardous waste treatment facilities; United States; Directories

104 NAL Call No: S900.N34 v.23 Hazardous waste management selected papers from an international expert workshop convened

by UNIDO in Vienne, Austria, 22-26 June 1987. Maltezou, Sonia P.; Biswas, Asit K.; Sutter, Hans United Nations Industrial Development Organization, International Association for Clean Technology

London ; New York : Tycooly,.

xviii, 344 p. : ill., maps ; 24 cm. (Natural resources and the environment series ; v. 23). Published on behalf of United Nations Industrial Development Organization and International Association for Clean Technology. Includes bibliographies.

Language: English

Descriptors: Hazardous wastes; Management; Congresses; Hazardous wastes; Congresses; Hazardous wastes; Developing countries; Congresses

105 NAL Call No: KF27.E5585 1989b Hazardous Waste Reduction Act hearing before the Subcommittee on Transportation and Hazardous Materials of the Committee on Energy and Commerce, House of Representatives, One Hundred First Congress, first session, on H.R. 1457 ... May 25, 1989.

United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Transportation and Hazardous Materials

Washington : U.S. G.P.O. : For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.En 2/3:101-35.

iii, 177 p.; 24 cm. Distributed to some depository libraries in microfiche. Shipping list no.: 89-531-P. Serial no. 101-35. Item 1019-A, 1019-B (microfiche). Includes bibliographical references.

Language: English

Descriptors: Hazardous wastes; Grants-in-aid

106 NAL Call No: KF27.E5585 1988a Hazardous Waste Reduction Act hearing before the Subcommittee on Transportation, Tourism, and Hazardous Materials of the Committee on Energy and Commerce, House of Representatives, One Hundredth Congress, second session on H.R. 2800 ... April 21, 1988.

United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Transportation, Tourism, and Hazardous Materials

Washington [D.C.]: U.S. G.P.O.: For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.En 2/3:100-211.

iii, 299 p.; 24 cm. Distributed to some depository libraries in microfiche. Serial no. 100-211. Includes bibliographical references. Language: English

Descriptors: Hazardous wastes; Law and legislation; United States

107 NAL Cail No: TD1052.H39 Hazardous waste status and resources of EPA's corrective action program : report to the Chairman, Subcommittee on Oversight and Investigations, Committee on Energy and Commerce, House of Representatives. (Status and resources of EPA's corrective action program.)

United States, General Accounting Office

Washington, D.C. : U.S. General Accounting Office,.

39 p. : ill. ; 28 cm. Cover title. April 1990. GAO/RCED-90-144. "B-239014", p. [1].

Language: English

Descriptors: Hazardous waste sites

108 NAL Call No: TD419.R47 Hazardous wastes treatment technologies. Kim, BJ.; Gee, C.S.; Bandy, J.T.; Huang, C.S.; Guzewich, D.C.

Alexandria, Va. : The Federation. Research journal of the Water Pollution Control Federation v. 62 (4): p. 511-519; 1990 Jun. Includes references.

Language: English

Descriptors: Wastes; Health hazards; Waste treatment; Technology

109 NAL Call No: TD420.A1E5 Hazardous-waste management at the Mexican-U.S. border.

Davis, A.M.; Altamirano Perez, R.

Washington, D.C. : American Chemical Society. Environmental science & technology v. 23 (10): p. 1208-1210. ill; 1989 Oct.

Language: English

Descriptors: Mexico; U.S.A.; Environmental pollution; Health hazards; International agreements; Imports; Exports; Regulations; Environmental protection; Government organizations; Wastes

110 NAL Call No: HD9001.N46 no.1 Health and safety regulation of small, high-risk subpopulations.

Williams, Richard A., Jr; Brown, Robert N. University of Connecticut, Food Marketing Policy Center Storrs, Conn. : Food Marketing Policy Center, Dept. of Agricultural Economics and Rural Sociology, University of Connecticut.

27 leaves ; 28 cm. (NE-165 private strategies, public policies and food system performance. Working paper series ; WP-1). Includes bibliographical references (leaves 21-27).

Language: English

Descriptors: Hazardous substances; Public administration; Risk assessment

111 NAL Call No: RA565.A1E54 A health-based approach for sampling shallow soils at hazardous waste sites using the AAL(soil contact) criterion.

Hadley, P.W.; Sedman, R.M.

Research Triangle Park, N.C. : National Institute of Environmental Health Sciences.

E.H.P. Environmental health perspectives v. 84: p. 203-207; 1990 Mar. Paper presented at the "Conference on the Calcium Messenger System: Implications for Toxicological Research," March 7-8, 1988, Research Triangle Park, NC. Includes references.

Language: English

Descriptors: California; Soil pollution; Waste disposal sites; Soil analysis; Sampling; Data collection; Public health; Contaminants

112 NAL Call No: 290.9 P972 Highlights of the Indiana Department of Transportation research program.

Partridge, B.K.

Lafayette, Ind. : The University.

Engineering extension series - Purdue University (162): p. 40-46; 1991. Proceedings of the 77th Annual Road School, March 12-14, 1991, West Lafayette, Indiana.

Language: English

Descriptors: Indiana; Roads; Research projects; State government; Federal aid; Recycling; Construction technology; Toxic substances; Traffic safety

113 NAL Call No: S544.3.K2K3 Household product disposal guide. Powell, G.M.; Bradshaw, M.H. Manhattan, Kan. : The Service. MF - Cooperative Extension Service, Kansas State University, Manhattan (965): 2 p.; 1990 Aug. Language: English

Descriptors: Households; Toxic substances; Waste disposal

114 NAL Call No: TD1040.H69 How to select hazardous waste treatment technologies for soils and sludges alternative, innovative, and emerging technologies.

Holden, Tim

Park Ridge, N.J., U.S.A. : Noyes Data Corp., x, 150 p. : ill. ; 24 cm. (Pollution technology review, no. 163). Includes bibliographical references.

Language: English

Descriptors: Hazardous waste treatment facilities; United States; Handbooks, manuals, etc; Sewage disposal in the ground; United States; Handbooks, manuals, etc; Land treatment of wastewater; United States; Handbooks, manuals, etc; Soik; United States; Handbooks, manuals, etc; Sewage; Purification; Activated sludge process; Handbooks, manuals, etc

115 NAL Call No: TD879.P4H828 1991 Hydrocarbon contaminated soils.

Calabrese, Edward J., 1946-; Kostecki, Paul T.

United States, Agency for Toxic Substances and Disease Registry

Conference on Hydrocarbon Contaminated Soils 5th : 1990 : School of Public Health, University of Massachusetts at Amherst.

Chelsea, Mich. : Lewis Publishers, c1991-.

v. : ill., maps ; 25 cm. Conference proceedings of the Fifth Annual Conference on Hydrocarbon Contaminated Soils held Sept. 24-27, 1990 at the School of Public Health, University of Massachusetts at Amherst, sponsored by the Agency for Toxic Substances and Disease Registry et al. Includes bibliographical references and index.

Language: English

Descriptors: Oil pollution of soils; Diesel fuels

116 NAL Call No: GB701.W375 no.91-4104 Hydrogeology and ground-water quality near a hazardous-waste landfill near Pinewood, South Carolina. (Hydrogeology and ground water quality near a hazardous waste landfill near Pinewood, South Carolina.)

Vroblesky, Don A.

U.S. Geological Survey, South Carolina Public Service Authority

Columbia, S.C. : U.S. Geological Survey ; Denver,

Colo. : Books and Open-File Reports [distributor].

v, 87 p. : ill., maps ; 28 cm. (Water-resources investigations report ; 91-4104). One map on 1 folded leaf in pocket. Includes bibliographical references (p. 55-59).

Language: English

Descriptors: Water, Underground; Waste disposal sites; Hazardous materials

117 NAL Call No: TD1052.H94 1990 Hydrogeology and management of hazardous waste by deep-well disposal a report of the Commission on Hydrogeology of Hazardous Wastes of the International Association of Hydrogeologists. LaMoreaux, Philip E.

International Association of Hydrogeologists, Commission on Hydrogeology of Hazardous Wastes

Hannover, Germany : Heinz Heise,.

vi, 136 p. : ill., maps ; 24 cm. (International contributions to hydrogeology, v. 12). Includes bibliographical references.

Language: English

Descriptors: Hazardous waste sites; Hydrogeology

118 NAL Cail No: GB701.W375 no.89-4081 Hydrogeology and results of aquifer tests in the vicinity of a hazardous-waste disposal site near Byron, Illinois.

Kay, Robert T.; Olson, David N.; Ryan, Barbara J. United States, Environmental Protection Agency, Geological Survey (U.S.)

Urbana, Ill. : Dept. of the Interior, U.S. Geological Survey ; Denver, CO : Books and Open-File Reports Section [distributor,.

vi, 56 p. : ill. ; 28 cm. (Water-resources investigations report ; 89-4081). July 1989. Includes bibliographical references (p. 49).

Language: English

Descriptors: Aquifers; Rock River Region (Wis. and Ill.); Water, Underground; Rock River Region (Wis. and Ill.); Hazardous waste sites; Rock River Region (Wis. and Ill.)

119 NAL Call No: GB701.W375 no.89-4093 Hydrogeology and water quality near a solid- and hazardous-waste landfill, Northwood, Ohio. De Roche, Jeffrey T.; Breen, Kevin J. Northwood (Ohio),Geological Survey (U.S.)

Columbus, Ohio : Dept. of the Interior, U.S.

Geological Survey ; Denver, CO : Books and Open-File Reports [distributor],.

v, 76 p. : ill., maps ; 28 cm. (Water-resources investigations report ; 89-4093). Bibliography: p. 58-62.

Language: English

Descriptors: Water, Underground; Ohio; Northwood; Hazardous waste sites; Ohio; Wood County

120 NAL Call No: GB701.W375 no.89-4144 Hydrogeology of a hazardous-waste disposal site near Brentwood, Williamson County, Tennessee. Tucci, Patrick; Hanchar, Dorothea Withington; Lee, Roger W.

Tennessee, Dept. of Health and Environment, Division of Superfund, Geological Survey (U.S.)

Nashville, Tenn. : Dept. of the Interior, U.S. Geological Survey ; Denver, Colo. : U.S. Geological Survey, Books and Open-File Reports Section [distributor].

v, 68 p. : ill., maps ; 28 cm. (Water-resources investigations report ; 89-4144). Includes bibliographical references (p. 53-54).

Language: English

Descriptors: Tennessee; Geology; Williamson County; Hydrogeology; Tennessee; Williamson County; Groundwater flow; Tennessee; Williamson County; Water, Underground; Tennessee; Williamson County; Hazardous waste sites; Environmental aspects; Tennessee; Williamson County; Waste disposal in the ground; Environmental aspects; Tennessee; Williamson County

121 NAL Call No: SB950.2.A1J58 If not risk assessment, then what?

O'Brien, M.

Eugene, Or. : The Coalition.

Journal of pesticide reform : a publication of the Northwest Coalition for Alternatives to Pesticides v. 10 (1): p. 2-6; 1990. Includes references.

Language: English

Descriptors: Environmental protection; Risk; Assessment; Toxic substances; Fosamine; Legislation; Regulations

122 NAL Call No: QD1.A45 Importance of soil-contaminant-surfactant interactions for in situ soil washing.

Chawla, R.C.; Porzucek, C.; Cannon, J.N.; Johnson, J.H. Jr Washington, D.C. : The Society.

ACS Symposium series - American Chemical Society (468): p. 316-341; 1991. In the series analytic: Emerging technologies in hazardous waste management ii / edited by P. W. Tedder and F. G. Pohland, Includes references.

Language: English

Descriptors: Soil pollution; Washing; Contaminants; Surfactants

Abstract: Organic pollutants can bind to soil matter by various types of physical and chemical interactions, hydrophobic bonding, hydrogen bonding, ion exchange, charge transfer, etc. They enter the environment from spills, leaks, leaching and other sources. They are emplaced in soils through capillary action or by the physical and chemical forces of sorption. The displacement and recovery of organic pollutants by in situ soil washing may use aqueous surfactant solutions. In a surfactantassisted soil-washing operation, soil-contaminantsurfactant interactions, and the surrounding soil environment all have major effects on the pollutant mobilities. The various soil-contaminant-surfactant properties, and their effects on the removal of organics, are reviewed. The interactions between soil/aquifer systems, contaminants, and surfactants are discussed in the context of the fate of contaminants in the subsurface system.

123 NAL Call No: KF26.E647 1990b Improving the superfund cleanup process hearing before the Subcommittee on Superfund, Ocean, and Water Protection of the Committee on Environment and Public Works, United States Senate, One Hundred First Congress, second session, June 21, 1990.

United States. Congress. Senate. Committee on Environment and Public Works. Subcommittee on Superfund, Ocean, and Water Protection

Washington [D.C.] : U.S. G.P.O. : For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.P 96/10:S.hrg.101-1187.

iii, 348 p. : b ill. ; 24 cm. (S. hrg. ; 101-1187). Distributed to some depository libraries in microfiche. Includes bibliographical references.

Language: English

Descriptors: Hazardous waste sites; Environmental policy

124 NAL Call No: TD879.H3814 1991 In situ treatment of hazardous waste-

contaminated soils., 2nd ed.

Chambers, Catherine D.

Park Ridge, N.J., U.S.A. : Noyes Data Corp.,. xiv, 533 p. : ill. ; 25 cm. (Pollution technology review, no. 199). Includes bibliographical references (p. 133-150).

Language: English

Descriptors: Hazardous wastes; Soil pollution

125 NAL Call No: 282.8 J82 Indivisible toxic torts: the economics of joint and several liability.

Tientenberg, T.H.

Madison, Wis. : University of Wisconsin Press. Land economics v. 65 (4): p. 306-319; 1989 Nov. Includes references.

Language: English

Descriptors: U.S.A.; Pollution; Legal liability; Law; Courts; Toxic substances; Waste disposal; Mathematical models

126 NAL Call No: TD420.A1P7 v.24, no.12 Industrial residuals management proceedings of the IAWPRC International Seminar, held in Salvador, Brazil, 7-9 November 1990., 1st ed. Almeida, Sergio A. S.; Fontes Lima, F. J. International Association on Water Pollution Research and Control IAWPRC International Seminar on Industrial Residuals Management 1990 : Salvador, Brazil. Oxford ; New York : Pergamon Press, 1991. vii, 268 p. : ill., 25 cm. (Water science and technology, v. 24, no. 12). Includes bibliographical references and index.

Language: English

Descriptors: Refuse and refuse disposal; Factory and trade waste; Hazardous waste

127 NAL Call No: SB950.2.A1J58 Information as power: the United Nation's consolidated list of hazardous products.

Nic, E.

Eugene, Or. : The Coalition. Journal of pesticide reform : a publication of the

Northwest Coalition for Alternatives to Pesticides v. 9 (2): p. 7-9; 1989.

Language: English

Descriptors: Toxic substances; Pesticides; Regulations; International cooperation

128 NAL Call No: KF27.B575 1991a Insurer liability for cleanup costs of hazardous waste sites hearing before the Subcommittee on Policy Research and Insurance of the Committee on Banking, Finance, and Urban Affairs, House of Representatives, One Hundred First Congress, second session, September 27, 1990.

United States. Congress. House. Committee on Banking, Finance, and Urban Affairs. Subcommittee on Policy Research and Insurance

Washington : U.S. G.P.O. : For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.B 22/1:101-175.

iv, 305 p. : ill. ; 24 cm. Distributed to some depository libraries in microfiche. Shipping list no.: 91-181-P. Serial no. 101-175. Item 1013-A, 1013-B (MF). Includes bibliographical references.

Language: English

Descriptors: Insurance, Pollution liability; Insurance companies; Hazardous waste sites; Liability for hazardous substances pollution damages

129 NAL Call No: TD196.P38L66 An integrated model of atmospheric and aquatic chemical fate useful for guiding regulatory decisions: a proposal.

Rodgers, P.W.; Dilks, D.W.; Samson, P.

Chelsea, Mich. : Lewis Publishers.

Long range transport of pesticides / David A. Kurtz, editor. p. 405-415; 1990. Includes references.

Language: English

Descriptors: U.S.A.; Toxic substances; Water pollution; Water quality; Air pollutants; Air quality; Environmental protection; Lakes; Mathematical models; Pesticides; Regulations

130 NAL Call No: KF27.G655 1988a International export of U.S. waste hearing before a subcommittee of the Committee on Government Operations, House of Representatives, One Hundredth Congress, second session, July 14, 1988. (International export of US waste.)

United States. Congress. House. Committee on Government Operations. Environment, Energy, and Natural Resources Subcommittee

Washington, [D.C.]. : U.S. G.P.O. : For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.G 74/7:W 28/10.

iv, 516 p. : ill., forms, maps ; 24 cm. Distributed to some depository libraries in microfiche. Shipping list no.: 89-376-P. Bibliography: p. 449.

Language: English

Descriptors: Hazardous wastes; United States; Hazardous waste management industry; Hazardous waste sites; Developing countries

131 NAL Call No: QD241.T6 The international register of potentially toxic chemicals (IRPTC) its databank and network partners.

Sunden, A.; Huismans, J.W.

London : Gordon and Breach Science Publishers. Toxicological and environmental chemistry v. 25 (2/3): p. 163-169; 1990. Includes references.

Language: English

Descriptors: Toxic substances; Databases; Information storage; Toxicology; Regulations; International cooperation

132 NAL Call No: TD1045.E85157 International technologies for hazardous waste site cleanup.

Nunno, T.

Park Ridge, N.J., U.S.A. : Noyes Data Corp., ix, 283 p. : ill.; 27 cm. (Pollution technology review, no. 183). Includes bibliographical references (p. 275-283).

Language: English

Descriptors: Hazardous wastes; Europe; Management; Hazardous wastes; Japan; Management; Hazardous wastes; Canada; Management

133 NAL Call No: KF27.E5585 1991a Interstate transportation of solid waste hearings before the Subcommittee on Transportation and Hazardous Materials of the Committee on Energy and Commerce, House of Representatives, One Hundred Second Congress, first session, April 30 and May 7, 1991.

United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Transportation and Hazardous Materials

Washington : U.S. G.P.O. : For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.En 2/3:102-13.

iv, 347 p. : ill., maps ; 24 cm. Distributed to some depository libraries in microfiche. Shipping list no.: 91-557-P. Item 1019-A, 1019-B (MF). Serial no. 102-13. Includes bibliographical references.

Language: English

Descriptors: Hazardous wastes; Refuse and refuse

disposal; Waste disposal sites; Sanitary landfills; Interstate commerce

134 NAL Call No: TD172_J68 Journal of the Air & Waste Management Association.

Air & Waste Management Association Pittsburgh, PA: The Association,. Journal of the Air & Waste Management Association. v. : ill. ; 28 cm; 1990-9999. Description based on vol. 40, no. 2 (Feb. 1990); title from cover.

Language: English

Descriptors: Air; Pollution; Periodicals; Air quality management; Periodicals; Hazardous wastes; Management; Periodicals

135 NAL Cail No: QH540.J6 Laboratory measurements of diffusion coefficients for trichloroethylene and orthoxylene in undisturbed tuff.

Fuentes, H.R.; Polzer, W.L.; Smith, J.L. Madison, Wis. : American Society of Agronomy. Journal of environmental quality v. 20 (1): p. 215-221; 1991 Jan. Includes references.

Language: English

Descriptors: New Mexico; Organic compounds; Contaminants; Diffusivity; Laboratory tests; Measurement; Soil pollution; Theory; Tuff soils; Waste disposal

Abstract: Exploratory laboratory research was performed to evaluate the fate of two organic contaminants in the unsaturated zone of the Bandelier Tuff at Los Alamos National Laboratory chemical waste site. Studies concentrated on vapor phase diffusion for trichloroethylene and orthoxylene known to occur in significant amounts at the site. This research was undertaken in support of the geohydrological characterization of the unsaturated zone and ultimately to facilitate environmental transport predictions. In these vapor phase diffusivity studies a laboratory method was developed for direct measurement of gaseous diffusion through undisturbed cores of Bandelier Tuff. Core preparation required careful handling to maintain the in situ structure of the tuff samples. which were mostly cohesionless. Effective diffusion coefficients were calculated from a onedimensional steady-state solution of Fick's first law. Effective diffusion coefficients for the target organics were determined for samples from two locations within each of two lithologic units of the Bandelier Tuff at two average extreme moisture contents, 1 to 3% and 12 to 15% (by mass). The higher moisture content decreased the flux of the organics by approximately one order of magnitude. Differences among effective diffusion coefficients between sampling locations and lithologic units were not significant for each organic at a 5% significant level. Results provide an insight on the effect of moisture content, but data are needed to further develop or validate a relationship between diffusion and moisture content.

136 NAL Call No: KF27.E5585 1991b Lead exposure reduction hearing before the Subcommittee on Transportation and Hazardous Materials of the Committee on Energy and Commerce, House of Representatives, One Hundred Second Congress, first session, on H.R. 3554, a bill to amend the Toxic Substances Control Act to reduce the levels of lead in the environment, October 23, 1991.

United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Transportation and Hazardous Materials

Washington : U.S. G.P.O. : For sale by the U.S. G.P.O., Supt. of Docs., Congressional Sales Office; Y 4.En 2/3:102-104.

iii, 301 p. : ill. ; 24 cm. Distributed to some depository libraries in microfiche. Shipping list no.: 92-330-P. Serial no. 102-104. Includes bibliographical references.

Language: English

Descriptors: Lead

137 NAL Call No: KF27.E5585 1990a Lead pollution prevention hearing before the Subcommittee on Transportation and Hazardous Materials of the Committee on Energy and Commerce, House of Representatives, One Hundred First Congress, second session, September 19, 1990.

United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Transportation and Hazardous Materials

Washington [D.C.]: U.S. G.P.O.: For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.En 2/3:101-198.

iv, 326 p. : ill. ; 24 cm. Distributed to some depository libraries in microfiche. Shipping list no.: 91-186-P. Serial no. 101-198. Includes bibliographical references.

Language: English

Descriptors: Lead; Hazardous substances; Chemicals; Pediatric toxicology

138 NAL Call No: HD7395.C5L55 1992 Limited-use chemical protective clothing for EPA Superfund activities. (Limited use chemical protective clothing for EPA Superfund activities.) Sawicki, Jack C.

Risk Reduction Engineering Laboratory (U.S.), Arthur D. Little, Inc

Cincinnati, OH: Risk Reduction Engineering Laboratory, Office of Research and Development, U.S. Environmental Protection Agency; EP 1.23/6:600/R-92/014.

vii, 41 p. : ill. ; 28 cm. Arthur D. Little, Inc. Shipping list no.: 92-0249-P. February 1992. EPA/600/R-92/014. Contract no. 68-03-3293, WA 3-60.1.

Language: English

Descriptors: Protective clothing; Hazardous waste management industry

139 NAL Call No: TD195.N85L6 Long-lived legacy managing high-level and transuranic waste at the DOE nuclear weapons complex. (Long lived legacy Managing high-level and transuranic waste at the DOE nuclear weapons complex.)

United States, Congress, Office of Technology Assessment

Washington, D.C.: Congress of the U.S., Office of Technology Assessment : For sale by the Supt. of Docs., U.S. G.P.O.; Y 3.T 22/2:2 W 28/3.

vi, 99 p. : ill., maps ; 26 cm. (Background paper (United States. Congress. Office of Technology Assessment)). "May 1991", P. [4] of cover. "OTA-BP-O-83", P. [4] of cover. Includes bibliographical references.

Language: English

Descriptors: Nuclear weapons industry; Nuclear facilities; Hazardous waste sites; Environmental policy

140 NAL Call No: GC1081.U84 1990 Management of bottom sediments containing toxic substances Proceedings of the 14th U.S./Japan Experts Meeting, 27 February-1 March 1990, Yokohoma, Japan.

Patin, Thomas R.

United States, Army, Corps of Engineers, Japan, Un'yusho, Water Resources Support Center (U.S.) U.S./Japan Experts Meeting on the Management of Bottom Sediments Containing Toxic Substances 14th : 1990 : Yokohama, Japan.

Ft. Belvoir, Va. : Water Resources Support Center,.

x, 290 p. : ill. ; 28 cm. The meeting is held annually through an agreement with the U.S. Army Corps of Engineers and the Japan Ministry of Transport ... March 1992. Includes abstracts. Includes bibliographies.

Language: English

Descriptors: Marine sediments; Dredging

141 NAL Call No: TD1030.M36 The Management of hazardous substances in the environment.

Zirm, K. L.; Mayer, J.

International Society for Environmental Protection Envirotech Vienna 1989 1989 International ISEP Congress (1st : 1989 : Vienna, Austria).

London; New York: Published on behalf of the International Society for Environmental Protection by Elsevier Applied Science,.

xiii, 200 p. : ill.; 23 cm. "Selected papers presented at Envirotech Vienna 1989, First International ISEP Congress, Vienna, Austria, on 20-22 February 1989", Includes bibliographical references.

Language: English

Descriptors: Hazardous wastes

142 NAL Call No: KF27.S6393 1989 Management of the San Gabriel superfund sites hearing before the Subcommittee on Environment and Labor of the Committee on Small Business, House of Representatives, One Hundred First Congress, first session, Baldwin Park, CA, June 5, 1989.

United States. Congress. House. Committee on Small Business. Subcommittee on Environment and Labor

Washington [D.C.]: U.S. G.P.O.: For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.,.

iii, 178 p. : ill. ; 24 cm. Serial no. 101-12.

Language: English

Descriptors: Hazardous waste sites; California; San Gabriel River Valley; Water, Underground; Pollution; California; San Gabriel River Valley

143 NAL Call No: KF27.S6393 1990a Management of the San Gabriel Valley superfund sites I-IV hearing before the Subcommittee on Environment and Labor of the Committee on Small Business, House of Representatives, One Hundred First Congress, second session, Baldwin Park, CA, October 30, 1990.

United States. Congress. House. Committee on Small Business. Subcommittee on Environment and Labor

Washington [D.C.]: U.S. G.P.O.: For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.Sm 1:101-84.

iii, 121 p. : map ; 24 cm. Distributed to some depository libraries in microfiche. Shipping list no.: 91-322-P. Serial no. 101-84.

Language: English

Descriptors: Hazardous waste sites; Water, Underground

144 NAL Cail No: GC1080.027 v.3 1989 Marine waste management science and policy., Original ed.

Champ, Michael A.; Park, P. Kilho

Malabar, Fla. : R.E. Krieger Pub. Co.,.

341 p. : ill. ; 29 cm. (Oceanic processes in marine pollution ; v. 3). Includes bibliographies and indexes.

Language: English

Descriptors: Sewage disposal in rivers, lakes, etc; Hazardous wastes; Waste disposal in the ocean; Law and legislation

145 NAL Call No: HC79.P55J6 Measuring hazardous waste damages with panel models.

Mendelsohn, R.; Hellerstein, D.; Huguenin, M.; Unsworth, R.; Brazee, R.

Orlando, Fla. : Academic Press.

Journal of environmental economics and management v. 22 (3): p. 259-271; 1992 May. Includes references.

Language: English

Descriptors: Massachusetts; Land prices; Waste disposal sites; Amenity and recreation areas; Value theory; Pollution; Housing costs; Property; Damage; Harbors; Polychlorinated biphenyls; Data analysis

Abstract: This study extends the use of panel data to analyze the damage associated with proximity to a hazardous waste site. Panel data can control for property specific factors which affect sale values, allowing the analysis to focus upon both the spatial and intertemporal factors associated with pollution. We contrast alternative econometric approaches which are applicable to panel data sets and discuss an important application which has led to sizeable natural resource damages actually being paid.

146 NAL Call No: TD427.P35N374 1990 National survey of pesticides in drinking water wells phase I report. (National pesticide survey.) United States, Environmental Protection Agency, Office of Pesticides and Toxic Substances

Washington, D.C. : United States Environmental Protection Agency, Office of Water, Office of Pesticides and Toxic Substances,.

1 v. (various pagings) : ill., map ; 28 cm. Cover title. Running title: National pesticide survey. November 1990. EPA 570/9-90-015.

Language: English

Descriptors: Pesticides; Drinking water; Wells; Water quality

147 NAL Call No: TD172.J6 New methods for modeling the transport of metals from mineral processing wastes into surface waters.

Brown, K.P.; Hosseinipour, E.Z.

New York, N.Y. : Marcel Dekker.

Journal of environmental science and health : Part A : Environmental science and engineering v. 26 (6): p. 813-853; 1991. Includes references.

Language: English

Descriptors: Montana; Water pollution; Copper; River water; Waste water; Mine spoil; Concentration; Movement; Prediction; Measurement; Models; Toxic substances; Pesticide residues; Root zone flux

148 NAL Call No: TD788.N6 Nonbazardous waste state management of municipal landfills and landfill expansions : briefing report to Congressional requesters. (State management of municipal landfills and landfill expansions.)

United States, General Accounting Office

Washington, D.C. : The Office,.

32 p. : ill. ; 28 cm. June 1989. GAO/RCED-89-165BR. "B-235708", P.1. Cover title.

Language: English

Descriptors: Refuse and refuse disposal; United

States; Hazardous waste sites; United States; Statistics

149 NAL Cail No: TD420.A1P7 Operational control of an anaerobic GAC reactor treating hazardous wastes.

Nakhla, G.F.; Suidan, M.T.; Pfeffer, J.T.

Oxford : Pergamon Press.

Water science and technology : a journal of the International Association on Water Pollution Research and Control v. 21 (4/5): p. 167-173. ill; 1989. Paper presented at the "Fourteenth Biennial Conference of the International Association on Water Pollution Research and Control," July 18-21, 1988, Brighton, United Kingdom. Includes references.

Language: English

Descriptors: Hazards; Wastes; Coal; Conversion; Waste water; Toxicity; Anaerobic treatment; Bioreactors; Methane production

150 NAL Call No: HF1101.T7 OSHA bounces back. Thompson, B.L. Minneapolis, Minn. : Lakewood Publications. Training v. 28 (1): p. 45-53. ill; 1991 Jan.

Language: English

Descriptors: Safety at work; Occupational hazards; Health hazards; Public health legislation; Public agencies; Regulations; Working conditions; Inspection

Abstract: The Occupational Safety and Health Administration (OSHA) has received additional funds, personnel and the authority to multiply all penalties sevenfold. OSHA's focus is on abatement of workplace hazards through education and enforcement. There are new or proposed standards for: safety-belts, blood-borne diseases, lockouttagout rules, personal protective equipment, hazardous waste handling, walking and working surfaces and fall protection, ergonomics and recordkeeping. The recent changes mean that there will be more inspections, the inspections will be more thorough and penalties are getting harsher. Many companies, however, feel that OSHA standards are only minimum requirements, and have gone much further to insure safety in the workplace. Discrepancies between state-run and federally-run OSHA offices are discussed.

151 NAL Call No: KF27.S3978 1989f Oversight of EPA's Superfund Innovation Technology Evaluation (SITE) program hearing before the Subcommittee on Natural Resources, Agriculture Research, and Environment of the Committee on Science, Space, and Technology, U.S. House of Representatives, One Hundred First Congress, first session, July 17, 1989.

United States. Congress. House. Committee on Science, Space, and Technology. Subcommittee on Natural Resources, Agriculture Research, and Environment

Washington [D.C.] : U.S. G.P.O. : For sale by the Supt. of Docs., Congressional Sales Office; Y 4.Sci 2:101/50.

iii, 94 p.; 24 cm. Distributed to some depository libraries in microfiche. No. 50.

Language: English

Descriptors: Hazardous waste sites; United States

152 NAL Call No: KF26.E647 1989k Oversight of right-to-know pollution data hearing before the Subcommittee on Superfund, Ocean, and Water Protection of the Committee on Environment and Public Works, United States Senate, One Hundred First Congress, first session, May 10, 1989. (Oversight of right to know pollution data.)

United States. Congress. Senate. Committee on Environment and Public Works. Subcommittee on Superfund, Ocean, and Water Protection

Washington [D.C.]: U.S. G.P.O.: For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.P 96/10:S.hrg.101-383.

iii, 138 p. : ill. ; 24 cm. (S. hrg. ; 101-383). Distributed to some depository libraries in microfiche. Shipping list no.: 90-076-P. Includes bibliographical references (p. 138).

Language: English

Descriptors: Hazardous waste management; United States; Air quality management; United States; Environmental policy; United States

153 NAL Call No: KF26.E647 1989m Oversight of the Environmental Protection Agency's management review of the superfund program hearing before the Subcommittee on Superfund, Ocean, and Water Protection of the Committee on Environment and Public works, United States Senate, One Hundred First Congress, first session, June 15, 1989.

United States. Congress. Senate. Committee on Environment and Public Works. Subcommittee on Superfund, Ocean, and Water Protection Washington [D.C.] : U.S. G.P.O. : For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.,.

iii, 160 p.; 23 cm. (S. hrg.; 101-102).

Language: English

Descriptors: Liability for hazardous substances pollution damages; United States

154 NAL Call No: QD1.A45 Oxidation technologies for groundwater treatment.

Heeks, R.E.; Smith, L.P.; Perry, P.M.

Washington, D.C. : The Society.

ACS Symposium series - American Chemical Society (468): p. 110-132; 1991. In the series analytic: Emerging technologies in hazardous waste management ii / edited by P. W. Tedder and F. G. Pohland. Includes references.

Language: English

Descriptors: Groundwater pollution; Chlorinated hydrocarbons; Oxidation; Ultraviolet radiation; Hydrogen peroxide

Abstract: Xerox Corporation has pilot tested three UV/Oxidation processes for the treatment of contaminated groundwater containing chlorinated and non-chlorinated organic solvents. The technologies pilot tested included the ULTROX system developed by ULTROX International, the peroxpure process of Peroxidation Systems, Inc. and the Rayox process by Solarchem Environmental Systems. The three processes use a combination of ultraviolet light and hydrogen peroxide to oxidize organic solvents in water. The ULTROX system includes ozone as part of the treatment. Data gathered during pilot testing demonstrated that these processes are effective in the destruction of organic contaminants in groundwater. These results are discussed in regard to applicability to the groundwater remediation at the Xerox Facilities in Webster and Blauvelt, New York.

155 NAL Call No: TD420.A1E5 The perils of state air toxics programs.

Calabrese, E.J.; Kenyon, E.M. Washington, D.C. : American Chemical Society.

Environmental science & technology v. 23 (11): p. 1323-1328. ill; 1989 Nov. Includes references.

Language: English

Descriptors: U.S.A.; Air pollutants; Toxic substances; Health hazards; Regulations 156 NAL Call No: SB950.2.U8P472 Pesticide applicator training program.

Utah State University, Cooperative Extension Service, Utah State University

Logan, UT : Cooperative Extension Service, Utah State University,.

1 portfolio : ill. (some col.) ; 30 cm. + 2 emergency telephone numbers cards. Title from table of contents sheet. December 1990.

Language: English

Descriptors: Pesticides

Abstract: This packet provides educational training and information to assist pesticide applicators in becoming certified or recertified in Utah to buy and use restricted use pesticides.

157 NAL Call No: SB950.2.A1J58 Pesticides' bigger picture: cradle-to-grave exposures.

Shistar, T.

Eugene, Or. : The Coalition.

Journal of pesticide reform : a publication of the Northwest Coalition for Alternatives to Pesticides v. 11 (2): p. 16-17; 1991. Includes references.

Language: English

Descriptors: Pesticides; Toxic substances; Exposure; Manufacture; Transport; Disposal; Regulations; Risk

158 NAL Call No: KF26.E66 1990 Phosphate slag risk hearing before the Subcommittee on Nuclear Regulation of the Committee on Environment and Public Works, United States Senate, One Hundred First Congress, second session, August 21, 1990, Soda Springs, Idaho.

United States. Congress. Senate. Committee on Environment and Public Works. Subcommittee on Nuclear Regulation

Washington [D.C.]: U.S. G.P.O.: For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.P 96/10:S.hrg.101-996.

iv, 176 p. : ill. ; 24 cm. (S. hrg. ; 101-996). Distributed to some depository libraries in microfiche. Shipping list no.: 91-007-P. Includes bibliographical references.

Language: English

Descriptors: Slag; Ionizing radiation; Radiation, Background; Hazardous substances

159 NAL Call No: 280.8 J822 The political economics of California's Proposition 65.

Phipps, T.T.; Allen, K.; Caswell, J.A.

Ames, Iowa : American Agricultural Economics Association.

American journal of agricultural economics v. 71 (5): p. 1286-1292; 1989 Dec. Discussion by J.A. Zellner, p. 1200-1302. Discussion by K.R. Farrell, p. 1303-1304. Includes references.

Language: English

Descriptors: California; Drinking water; Toxic substances; Legislation; Water composition and quality; Law enforcement; Risks; Management; Economic analysis; State government

160 NAL Call No: KF27.E5585 1990 Pollution prevention and hazardous waste reduction hearing before the Subcommittee on Transportation and Hazardous Materials of the Committee on Energy and Commerce, House of Representatives, One Hundred First Congress, second session, May 31, 1990.

United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Transportation and Hazardous Materials

Washington [D.C.] : U.S. G.P.O. : For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.En 2/3:101-166.

iii, 169 p. : ill. ; 24 cm. Distributed to some depository libraries in microfiche. Shipping list no.: 90-797-P. Serial no. 101-166.

Language: English

Descriptors: Hazardous wastes; Refuse and refuse disposal; Environmental policy

161 NAL Cail No: TD898.14.M35R5 A preliminary assessment of selected atmospheric dispersion, food-chain transport, and dose-toman computer codes for use by the DOE Office of Civilian Radioactive Waste Management.

Riggle, K. J.; Roddy, J. W.

Oak Ridge National Laboratory, Chemical Technology Division

Oak Ridge, Tenn. : Oak Ridge National Laboratory ; Springfield, Va. : Available from NTIS,.

iv, 87 p.; 28 cm. At head of title: Chemical Technology Division. Prepared by the Oak Ridge National Laboratory, operated by Martin Marietta Energy Systems, Inc. for the U.S. Dept. of Energy under contract DE-AC05-84OR21400. Prepared for the U.S. Department of Energy, Office of Civilian Radioactive Waste Management. ORNL/TM-10915. Nuclear and chemical waste programs, activity no. DB 04 02 12 F. Dist. category UC-510. Includes bibliographical references.

Language: English

Descriptors: Radioactive wastes; Management; Computer simulation

162 NAL Call No: TD1030.S5 Preparation aids for the development of Category III quality assurance project plans.

Simes, Guy F.

Risk Reduction Engineering Laboratory (U.S.) Cincinnati, OH: Risk Reduction Engineering Laboratory, Office of Research and Development, U.S. Environmental Protection Agency,.

viii, 57 p. : ill. ; 28 cm. February 1991. EPA/600/8-91/005. Includes bibliographical references (p. 57).

Language: English

Descriptors: Hazardous substances; Pesticides; Hazardous waste sites; Environmental engineering

163 NAL Call No: T55.3.H3S55 Preparation aids for the development of Category IV quality assurance project plans.

Simes, Guy F.

Risk Reduction Engineering Laboratory (U.S.) Cincinnati, OH : Risk Reduction Engineering Laboratory, Office of Research and Development, U.S. Environmental Protection Agency,.

viii, 35 p. : ill. ; 28 cm. EPA/600/8-91/006. February 1991. Includes bibliographical references (p. 35).

Language: English

164

Descriptors: Hazardous substances; Pesticides; Hazardous waste sites; Environmental engineering

NAL Call No: TD881.A56

Proceedings. Air & Waste Management Association. Meeting Pittsburgh, PA : Air & Waste Management Association, 1989-.

Proceedings - Air & Waste Management Association. Meeting. v. : ill. ; 23 cm; 1989-9999.

Language: English

Descriptors: Air; Pollution; Congresses; Air quality management; Congresses; Hazardous wastes; Congresses 165 NAL Call No: KF26.E647 1989c Proposals to control the manufacture, use, and disposal of ozone-depleting substances hearing before the Subcommittee on Environmental Protection of the Committee on Environment and Public Works, United States Senate, One Hundred First Congress, first session, on S. 201, S. 333, S. 491, S. 503, and S. 676, May 19, 1989. (Controlling ozone depleting substances.)

United States. Congress. Senate. Committee on Environment and Public Works. Subcommittee on Environmental Protection

Washington [D.C.]: U.S. G.P.O.: For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.P 96/10:S.hrg.101-120.

iii, 656 p. : ill. ; 24 cm. (S. hrg. ; 101-120). Spine title: Controlling ozone depleting substances. Distributed to some depository libraries in microfiche. Shipping list no.: 89-484-P. Includes bibliographical references.

Language: English

Descriptors: Hazardous substances; Law and legislation; United States; Ozone layer depletion; Environmental aspects; United States; Environmental law; United States

166 NAL Call No: 448.3 AP5 Purification and characterization of a secreted recombinant phosphotriesterase (parathion hydrolase) from Streptomyces lividans.

Rowland, S.S.; Speedie, M.K.; Pogell, B.M.

Washington, D.C. : American Society for Microbiology.

Applied and environmental microbiology v. 57 (2): p. 440-444. ill; 1991 Feb. Includes references.

Language: English

Descriptors: Parathion; Hydrolases; Streptomyces; Secretion; Recombination; Flav&bacterium; Molecular weight; Kinetics; Ph; Temperature; Enzyme activity; Enzyme inhibitors

Abstract: A heterologous phosphotriesterase (parathion hydrolase), previously cloned from a Flavobacterium species into Streptomyces lividans, was secreted at high levels and purified to homogeneity. N-terminal analysis revealed that it had been processed in the same manner as the native membrane-bound Flavobacterium hydrolase. The enzyme consisted of a single polypeptide with an apparent molecular weight of 35,000 as determined by sodium dodecyl sulfate-polyacrylamide gel electrophoresis. Substrate specificity studies showed Kms of 68 micromole for parathion, 46 micromole for O-ethyl O-p-nitrophenyl phenylphosphonothioate, 599 micromole for methyl parathion, and 357 micromole for p-nitrophenvl ethyl(phenyl)phosphinate. Temperature and pH optima were 45 degrees C and 9.0, respectively. The purified enzyme was inhibited by 1 mM dithiothreitol and 1 mM CuSO4. After chelation and inactivation by o-phenanthroline, however, activity could be partially restored by 1 mM CuCl or 1 mM CuSO4. The results showed that the purified recombinant parathion hydrolase has the same characteristics as the native Flavobacterium hydrolase. This system provides a source of milligram quantities of parathion hydrolase for future structural and mechanism studies and has the potential to be used in toxic waste treatment strategies.

167 NAL Call No: HC79.E5N3 Reasonable inference of authority to control hazardous waste disposal results in potential liability: United States v. Aceto Aqricultural Chemicals Corporation.

Letter, A.

Albuquerque, N.M. : University of New Mexico School of Law.

Natural resources journal v. 31 (3): p. 673-686; 1991. Includes references.

Language: English

Descriptors: U.S.A.; Pesticides; Waste disposal; Legal liability; Environmental legislation; Production controls

168 NAL Call No: SF221.D342 Recent changes in environmental regulations. Zirschky, J.; Watson, B.W.

Ames, Iowa : International Association of Milk, Food and Environmental Sanitarians, Inc.

Dairy, food and environmental sanitation v. 9 (3): p. 138-141; 1989 Mar. Includes references.

Language: English

Descriptors: U.S.A.; Food industry; Environmental pollution; Regulations; Water pollution; Toxic substances; Environmental policy

169 NAL Call No: HC79.E5E5 Recovery of lotic periphyton communities after disturbance.

Steinman, A.D.; McIntire, C.D.

New York, N.Y. : Springer-Verlag.

Environmental management v. 14 (5): p. 589-604;

1990 Sep. In the series analytic: Recovery of lotic communities and ecosystems following disturbance: theory and application / edited by J.D. Yount and G.J. Niemi. Includes references.

Language: English

Descriptors: Aquatic communities; Aquatic environment; Recovery; Availability; Site factors; Species diversity; Floods; Desiccation; Nutrient improvement; Toxic substances; Biomass; Variation

170 NAL Call No: HC79.E5N3 Redefining management participation for CERCLA's secured lender exemption: United States v. Fleet Factors Corp.

WHite, P.

Albuquerque, N.M. : University of New Mexico School of Law.

Natural resources journal v. 31 (4): p. 967-977; 1991. Includes references.

Language: English

Descriptors: Georgia; Textile industry; Chemicals; Waste disposal; Decision making; Legal liability; Ownership; Management

171 NAL Call No: TD172.E48 Referral of toxic chemical regulation under the Toxic Substances Control Act: EPA's administrative dumping ground.

Ruggerio, C.

Newton Centre, Mass. : Boston College Law School.

Boston College environmental affairs law review v. 17 (1): p. 75-122; 1989. Literature review. Includes references.

Language: English

Descriptors: U.S.A.; Environmental protection; Government organizations; Regulations; Toxic substances; Control; Law

172 NAL Call No: TD196.P38L66 Regional and global transport and distribution of trace species released at the earth's surface. Levy. H. II

Chelsea, Mich. : Lewis Publishers.

Long range transport of pesticides / David A. Kurtz, editor. p. 83-95; 1990. Includes references.

Language: English

Descriptors: Air pollutants; Movement; Pesticides; Spatial distribution; Toxic substances; Tracers; Wind

173 NAL Call No: 389.8 F7398 Regulating the safety of food.

Middlekauff, R.D.

Chicago, Ill. : Institute of Food Technologists. Food technology v. 43 (9): p. 286-300, 302, 304, 306-307. ill., charts; 1989 Sep. Includes 73 references.

Language: English

Descriptors: Food safety; Regulations; Consumer protection; Food contamination; Generally recognized as safe list; Food additives; Toxic substances

Abstract: The history of government food safety legislation is detailed. Food safety, adulteration, the GRAS concept centering food additives, the Delaney clause referring to cancer causing substances, and other related topics are discussed.

174 NAL Call No: QP376.N86 Regulation of metal uptake and distribution within brain.

Smith, Q.R. New York, N.Y. : Raven Press.

Nutrition and the brain v. 8: p. 25-74; 1990. Literature review. Includes references.

Language: English

Descriptors: Brain; Metals; Uptake; Nutrients; Toxic substances; Literature reviews

175 NAL Call No: TD420.A1P7 Remediation of petroleum impacted soils in fungal compost bioreactors.

McFarland, M.J.; Qiu, X.J.; Sims, J.L.; Randolph, M.E.; Sims, R.C.

Oxford : Pergamon Press.

Water science and technology : a journal of the International Association on Water Pollution Research and Control v. 25 (3): p. 197-206; 1992. In the series analytic: Toxic waste management in the chemical and petrochemical industries / edited by A.J. Englande, Jr. and W.W. Eckenfelder, Jr. Paper presented at the Proceedings of the IAWPRC 2nd International Conference on Waste Management in the Chemical and Petrochemical Industries-Toxics Management, June 17-20, 1991, New Orleans, Louisiana. Includes references.

Language: English

Descriptors: Soil pollution; Benzopyrene; Soil treatment; Biological treatment; Phanerochaete chrysosporium; Composting; Bioreactors 176 NAL Call No: 449.9 Al7 Report on the Fifth Canadian Environmental Government Affairs Seminar: a strategy for sustainable development.

Bradley, P.A.

Pittsburgh, Pa. : Air & Waste Management Association.

JAPCA v. 39 (2): p. 139-148. ill; 1989 Feb. Includes references.

Language: English

Descriptors: Developing countries; Canada; Africa; Malta; Environmental protection; Development plans; Waste disposal; Conservation; Heritage; Political attitudes; Resource development; Technical progress; Industry; Environmental degradation; Resource exploitation; Energy policy

177 NAL Call No: RA1190.T62 Residual damage to hematopoietic system in mice exposed to a mixture of groundwater contaminants.

Hong, H.L.; Yang, R.S.H.; Boorman, G.A. Amsterdam : Elsevier Science Publishers. Toxicology letters v. 57 (1): p. 101-111; 1991. Includes references.

Language: English

Descriptors: Groundwater pollution; Contaminants; Cytotoxicity; Irradiation; Hematopoiesis; Hematology; Bone marrow cells; Mice

Abstract: To assess the potential health effects of chemically contaminated groundwater, we initiated a toxicological program on a mixture of 25 frequently-detected groundwater contaminants derived from hazardous waste disposal sites. As part of this program, myelotoxicity studies were conducted. Bone marrow parameters were examined in mice exposed to 0, 1, 5 or 10% of a simulated chemical mixture stock solution of groundwater contaminants in drinking water for 108 days. Mice treated with 5 or 10% of chemical mixture stock solution for 108 days showed suppressed marrow granulocyte macrophage progenitors (CFU-GM9); however, this suppression disappeared in 10 weeks following the cessation of treatment. The possible toxicological interaction of groundwater contaminants and radiation on hematopoiesis was investigated by using the number of bone marrow CFU-GM as an index. When mice were exposed to 200rads whole body irradiation at 2 and 9 weeks during this 10-week

recovery period, the combined treatment (i.e., chemical mixture followed by irradiation) group showd a significantly slower recovery of bone marrow progenitors as compared with the control group (i.e., radiation but without prior chemical mixture treatment). This study showed that even 10 weeks after the cessation of chemical mixture treatment when all hematological parameters were normal, a residual effect of the chemical mixture may still be demonstrated as lower progenitor cell numbers following irradiation. Thus, residual damage of hematopoiesis in mice exposed to groundwater contaminants for 108 days renders the mice more sensitive to subsequent irradiationinduced injury.

178 NAL Call No: 381 J8223 Residues of fluridone and a potential photoproduct (N-methylformamide) in water and hydrosoil treated with the aquatic herbicide sonar.

West, S.D.; Langeland, K.A.; Laroche, F.B. Washington, D.C. : American Chemical Society. Journal of agricultural and food chemistry v. 38 (1): p. 315-319; 1990 Jan. Includes references.

Language: English

Descriptors: Aquatic weeds; Herbicides; Photolysis; Herbicide residues; Fluridone; Ponds; Water quality; Toxic substances

Abstract: Fluridone is the active ingredient in the aquatic herbicide Sonar. Two ponds in Florida were treated with Sonar AS (an aqueous suspension formulation) and Sonar SRP (a slow-release clay pellet formulation). Both ponds were treated at the maximum acceptable residue level for fluridone in potable water, 0.15 ppm. The dissipation of fluridone and the potential formation of Nmethylformamide (NMF) as a photolysis product of fluridone were monitored. The fluridone concentration decreased to a nondetectable level (less than 0.001 ppm) in the water of both ponds 324 days after treatment (DAT). NMF was not detected in any of the 192 water samples that were collected on any of the sampling dates at a detection limit of 0.002 ppm. Hydrosoil samples collected at 324 DAT in both ponds contained fluridone residues equivalent to 2.9-3.6% of the amount applied to the pond, but no NMF was detected in the hydrosoil at a detection limit of 0.005 ppm.

179 NAL Call No: TD794.5.U56 1992 Resource Conservation and Recovery Act Amendments of 1992 report of the Committee on Envi-

ronment and Public Works, United States Senate, together with additional views, to accompany S. 976.

United States. Congress. Senate. Committee on Environment and Public Works

Washington : U.S. G.P.O.; Y 1.1/5:102-301.

iv, 250 p. : ill.; 24 cm. (Report / 102d Congress, 2d session, Senate ; 102-301). Cover title. Distributed to some depository libraries in microfiche. Shipping list no.: 92-0423-P. June 19 ... 1992.

Language: English

Descriptors: Refuse and refuse disposal; Recycling (Waste, etc.); Hazardous wastes

180 NAL Call No: 57.8 C734 Reuse option for household hazardous waste. Lie, G.B. Emmaus, Pa. : J.G. Press. BioCycle v. 32 (10): p. 56-58; 1991 Oct.

Language: English

Descriptors: Minnesota; Recycling; Wastes; Households; Waste disposal

181 NAL Call No: KF26.E647 1990a Review of efforts to protect the New Jersey coast hearing before the Subcommittee on Superfund, Ocean, and Water Protection of the Committee on Environment and Public Works, United States Senate, One Hundred First Congress, second session, May 21, 1990, Margate City, New Jersey.

United States. Congress. Senate. Committee on Environment and Public Works. Subcommittee on Superfund, Ocean, and Water Protection

Washington [D.C.] : U.S. G.P.O. : For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.P %/10:S.hrg.101-800.

iii, 69 p.; 24 cm. (S. hrg.; 101-800). Distributed to some depository libraries in microfiche. Shipping list no.: 90-569-P.

Language: English

Descriptors: Shore protection; New Jersey; Medical wastes; New Jersey; Hazardous waste sites; New Jersey

182 NAL Call No: KF27.G655 1991b Review of EPA's Capacity Assurance Program hearing before the Environment, Energy, and Natural Resources Subcommittee of the Committee on Government Operations, House of Representatives, One Hundred Second Congress, first session, May 2, 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 U.S. G.P.O., Supt. of Docs., Congressional Sales Office; Y 4.G 74/7:En 8/21.

iv, 332 p. : ill. ; 24 cm. Distributed to some depository libraries in microfiche. Shipping list no.: 92-159-P. Includes bibliographical references.

Language: English

Descriptors: Hazardous wastes; Hazardous waste treatment facilities

183 NAL Call No: TD426,J68 A review of immiscible fluids in the subsurface: properties, models, characterization and remediation.

Mercer, J.W.; Cohen, R.M.

Amsterdam : Elsevier.

Journal of contaminant hydrology v. 6 (2): p. 107-163. ill; 1990 Sep. Literature review. Includes references.

Language: English

Descriptors: Water pollution; Waste disposal sites; Toxic substances; Subsurface layers; Immiscible displacement; Fluids; Physical properties; Models; Equations

184 NAL Call No: KF26.E65 1989 Review of the subcommittee's report on pesticides and to consider the regulation of EBDC (fungicide) hearing before the Subcommittee on Toxic Substances, Environmental Oversight, Research and Development of the Committee on Environment and Public Works, United States Senate, One Hundred First Congress, first session, September 22, 1989.

United States. Congress. Senate. Committee on Environment and Public Works. Subcommittee on Toxic Substances, Environmental Oversight, Research and Development

Washington [D.C.]: U.S. G.P.O.: For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.P 96/10:S.hrg.101-391.

iii, 96 p. : ill. ; 24 cm. (S. hrg. ; 101-391). Distributed to some depository libraries in microfiche. Includes bibliographical references.

Language: English

Descriptors: Pesticide residues in food; Health aspects; United States; Agricultural chemicals; United States; Physiological effect; Fungicides; Health aspects; United States; Hazardous substances; Health aspects; United States

185 NAL Call No: TP995.A115 A risk appraisal protocol for developing cleanup criteria in the restoration of contaminated sites. Asante-Duah, D.K.

Chelsea, Mich. : Lewis Publishers.

Proceedings of the Industrial Waste Conference, Purdue University (45th): p. 45-58; 1991. Meeting held on May 8-10, 1990, Purdue University, West Lafayette, Indiana. Includes references.

Language: English

Descriptors: Polluted soils; Soil pollution; Reclamation; Contamination; Risk; Industrial wastes; Health hazards

186 NAL Call No: TD426.R57 1990 Risk assessment for groundwater pollution control.

McTernan, William F.; Kaplan, Edward,

American Society of Civil Engineers, Groundwater Risk Assessment Task Committee, American Society of Civil Engineers, Committee on Water Pollution Management

New York, N.Y. : American Society of Civil Engineers,.

368 p. : ill. ; 22 cm. "This monograph is based on a two part symposium held in Vancouver, British Columbia, during mid-July 1988. Other papers have been contributed subsequently", Introd. Includes bibliographical references.

Language: English

Descriptors: Water, Underground; Hazardous substances

187 NAL Call No: KF27.G655 1989c The role of EPA and the states in hazardous waste site cleanups hearing before the Environment, Energy, and Natural Resources Subcommittee of the Committee on Government Operations, House of Representatives, One Hundred First Congress, first session, November 7, 1989.

United States. Congress. House. Committee on Government Operations. Environment, Energy, and Natural Resources Subcommittee

Washington [D.C.]: U.S. G.P.O.: For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.G 74/7: En 8/18.

iv, 234 p. : ill. ; 24 cm. Distributed to some depository libraries in microfiche. Shipping list no.: 91-426-P. Includes bibliographical references.

Language: English

Descriptors: Hazardous waste sites; Hazardous wastes

188 NAL Call No: 449.9 Al7 Rotary kiln incineration II. Laboratory-scale desorption and kiln-simulator studies, solids.

Lighty, J.S.; Britt, R.M.; Pershing, D.W.; Owens, W.D.; Cundy, V.A.

Pittsburgh, Pa. : Air & Waste Management Association.

JAPCA v. 39 (2): p. 187-193. ill; 1989 Feb. Includes references.

Language: English

Descriptors: Waste treatment; Solid waste; Contaminants; Incinerated refuse; Kilns; Simulation analysis; Toluene; Desorption; Rotation

189 NAL Call No: RA592.U8H3 Safe drinking water teaching package. (Safe drinking water Utah safe drinking water teaching package.)

Hawks, Leona K.; Farrell-Poe, Kitt

Logan, UT : Extension, Publications, Utah State University, [1989?].

1 v. (loose leaf) : ill. ; 30 cm. Caption title. Spine title: Safe drinking water. "Suggestions for running safe drinking water workshops ... part of the Utah safe drinking water teaching package", P. i. Includes bibliographical references.

Language: English

Descriptors: Drinking water; Utah; Contamination; Drinking water; Standards; Utah; Water quality; Utah

Abstract: The Utah Safe Drinking Water Teaching Package is a water quality resource for people giving water quality workshops/clinics. The package has two parts: instructional materials for running a workshop, and background material on water quality topics. The instructional materials include: suggestions on how to run a workshop: sample programs, fliers, attendance list, letters, and news releases for both newspapers and radio; a summary of media resources available at Utah State University; and a content oriented script on water quality topics with accompanying overhead masters. The background materials include: fact sheets, pamphlets, and brochures from across the nation on such topics as sources of drinking water and drinking water contamination; water problems

and their treatment; home water testing and test interpretation; home water treatment devices; safeguarding wells, springs, and cisterns; and disposal of household hazardous waste.

190 NAL Call No: KF26.C698 1990 Safeguarding the integrity of food shipments hearing before the Subcommittee on Surface Transportation of the Committee on Commerce, Science, and Transportation, United States Senate, One Hundred First Congress, second session, on S. 1751 ... S. 1904 ... March 1, 1990.

United States. Congress. Senate. Committee on Commerce, Science, and Transportation. Subcommittee on Surface Transportation

Washington [D.C.]: U.S. G.P.O.: For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.C 73/7:S.hrg.101-623.

iii, 150 p. ; 24 cm. (S. hrg. ; 101-623). Distributed to some depository libraries in microfiche. Includes bibliographical references.

Language: English

Descriptors: Food contamination; United States; Hazardous substances; Transportation; Law and legislation; United States

Abstract: The Senate subcommittee on surface transportation published this report on the problem of backhauling and includes proposal legislation and testimony of committee members, public officials and other witnesses who have authority for handling this matter. Backhauling is the practice of hauling in one direction with waste and chemical matter, and returning on the other direction with food cargo there by causing a food contamination risk.

191 NAL Call No: 275.29 M58B SARA Title III, farm response planning: information needed to prepare offsite response plans for farms in Michigan.

Olsen, L.G.; Keiffer, C.J.

East Lansing. Mich. : The Service.

Extension bulletin E - Cooperative Extension Service, Michigan State University (2334): 8 p.; 1991 Dec.

Language: English

Descriptors: Michigan; Toxic substances; Accidents; Emergencies; Farm management; Community programs; Chemicals; Hazards; Environmental legislation; Pesticides; Fertilizers; Agricultural law 192 NAL Call No: TD403.G7 Septic tank setback distances: a way to minimize virus contamination of drinking water. Yates, M.V.; Yates, S.R.

Dublin, Ohio : Water Well Journal Publishers. Ground water v. 27 (2): p. 202-208. maps; 1989 Mar. Includes references.

Language: English

Descriptors: Arizona; Groundwater; Groundwater pollution; Drinking water; Toxic substances; Viral diseases; Septic tank site assessment; Wells; Hydraulic conductivity

193 NAL Call No: 302.8 T162 Setting the scene for environmental compliance in the last decade of the twentieth century. Hanley, R.W.

Norcross, Ga. : The Technical Association of the Pulp and Paper Industry.

Tappi journal v. 73 (10): p. 155-160. ill; 1990 Oct.

Language: English

Descriptors: Pulp and paper industry; Environmental legislation; Regulations; Air pollution; Water pollution; Toxic substances

194 NAL Call No: Videocassette no.769 So close to home the dilemma of household hazardous waste. (Dilemma of household hazardous waste.)

Nebraska Coalition on Hazardous Waste

Omaha, Neb. : Nebraska Coalition on Hazardous Waste,.

1 videocassette (17 min.): sd., col.; 1/2 in. VHS. "A David Lee Studio Video Production."

Language: English

Descriptors: Hazardous waste disposal; Nebraska; Hazardous wastes; Nebraska; Refuse and refuse disposal; Nebraska

195 NAL Call No: TD172_J68 Soil remediation techniques at uncontrolled hazardous waste sites.

Sims, R.C.

Pittsburgh, Pa. : The Association.

Journal of the Air & Waste Management Association v. 40 (5): p. 704-732. ill; 1990 May. Literature review. Includes references.

Language: English

Descriptors: Soil pollution; Hazards; Wastes; Sites;

Soil treatments; Techniques

196NAL Call No: GB746.W33Some ecological aspects of the Aral problem.Zaletaev, V.S.; Kuksa, V.I.; Novikova, V.V.New York, N.Y. : Consultants Bureau.Water resources v. 18 (5): p. 502-511; 1992 Jul.Translated from: Vodnye Resursy, v. 18 (5), 1991,p. 143-154, (GB746.V55). Includes references.

Language: English; Russian

Descriptors: Kazakh ssr; Aquatic environment; Environmental degradation; Marine areas; Pollution; Water management; Activity; Irrigation systems; Plant communities; Wildlife; Toxic substances; Desertification

197 NAL Call No: TD420.A1E5 Sorption of toxic organic compounds on wastewater solids: correlation with fundamental properties.

Dobbs, R.A.; Wang, L.; Govind, R.

Washington, D.C. : American Chemical Society. Environmental science & technology v. 23 (9): p. 1092-1097; 1989 Sep. Includes references.

Language: English

Descriptors: Waste water treatment; Toxic substances; Organic compounds; Sorption; Correlation analysis; Sewage effluent disposal; Calculation

198 NAL Call No: HC79.E5E5 State-of-the-art approach to hazardous waste site characterizations.

Korte, N.; Kearl, P.; Smuin, D. New York, N.Y. : Springer-Verlag. Environmental management v. 13 (6): p. 677-684. maps; 1989 Nov. Includes references.

Language: English

Descriptors: Groundwater pollution; Waste disposal; Hazards; Site classification; Drilling; Surveys; Wells

199 NAL Call No: QH545.A1E58 Statisical treatment of data from microbial toxicity tests.

Nyholm, N.; Sorensen, P.S.; Kusk, K.O. Elmsford, N.Y. : Pergamon Press. Environmental toxicology and chemistry v. 11 (2): p. 157-167; 1992. Includes references.

Language: English

Descriptors: Phytoplankton; Scenedesmus;

Chlorophyta; Toxic substances; Pollutants; Phytotoxicity; Testing; Tests; Regression analysis; Water pollution

200 NAL Cail No: GB701.W375 no.90-4164 A steady-state unsaturated-zone model to simulate pesticide transport. (A steady state unsaturated zone model to simulate pesticide transport.)

Rutledge, A. T.; Helgesen, John O.

Geological Survey (U.S.), Toxic Waste-Ground-Water Contamination Program (U.S.)

Lawrence, Kan.: U.S. Geological Survey; Denver, Colo.: Books and Open-File Reports [distributor],. iv, 13 p.: ill.; 28 cm. (Water-resources investigations report; 90-4164). Includes bibliographical references (p. 12-13).

Language: English

Descriptors: Pesticides; Water, Underground

201 NAL Call No: QD1.A45 Strategies for photochemical treatment of wastewaters.

Larson, R.A.; Marley, K.A.; Schlauch, M.B.

Washington, D.C. : The Society.

ACS Symposium series - American Chemical Society (468): p. 66-82; 1991. In the series analytic: Emerging technologies in hazardous waste management ii / edited by P. W. Tedder and F. G. Pohland. Includes references.

Language: English

Descriptors: Waste water treatment; Photolysis; Pollutants; Light; Herbicides

Abstract: Interest in the use of light energy to decompose pollutants in water has been rather sporadic, but attention has increased rapidly in recent years. Light can be understood as a chemical reagent that can be used to bring about a wide variety of selective transformations, some of which are virtually impossible to achieve using conventional reactants. A further advantage is that light is even free of charge when it comes from the sun. Although not all organic pollutants absorb light, or react once they do, many are susceptible to photodecomposition by one pathway or another. Knowledge of the chemical mechanisms of photochemical reactions is advantageous for the design of effective photochemical treatment systems for polluted waters.

202 NAL Call No: GB701.W375 no.91-4056

Streamflow, lake-flow patterns, rainfall, and quality of water and sediment in the vicinity of a hazardous-waste landfill near Pinewood, South Carolina, March 1987 through early January 1989.

Burt, Ronald A.

South Carolina Public Service Authority, Geological Survey (U.S.)

Columbia, S.C. : U.S. Dept. of the Interior, U.S. Geological Survey; Denver, CO: Books and Open-File Reports [distributor],.

v, 109 p. : ill., maps ; 28 cm. (Water-resources investigations report ; 91-4056). Includes bibliographical references (p. 96-97).

Language: English

Descriptors: Stream measurements; Sediment transport; Hazardous wate sites; Water quality

NAL Call No: 500 N21P 203 Structural characterization of toxic cyclic peptides from blue-green algae by tandem mass spectrometry.

Krishnamurthy, T.; Szafraniec, L.; Hunt, D.F.; Shabanowitz, J.; Yates, J.R. III; Hauer, C.R.; Carmichael, W.W.; Skulberg, O.; Codd, G.A.; Missler, S.

Washington, D.C. : The Academy.

Proceedings of the National Academy of Sciences of the United States of America v. 86 (3): p. 770-774; 1989 Feb. Includes references.

Language: English

Descriptors: Microcystis aeruginosa; Cyanobacteria: Peptides: Toxic substances: Drinking water; Contamination; Mass spectrometry

NAL Call No: KF1325.E58M3 204 Superfund claims and litigation manual.

Matthews, Robert A.; Gray, Peter L.

McKenna, Conner & Cuneo

New York, N.Y. : Executive Enterprises Publications Co.,.

xix, 236 p.; 29 cm. (Environmental compliance handbook series). "Table of legal authorities": p. 203-225. Includes bibliographical footnotes and index.

Language: English

205

Descriptors: Hazardous wastes; Hazardous waste sites; Liability for hazardous substances pollution damages; Liability for environmental damages

NAL Call No: TD1030.U55 1992

Superfund EPA cost estimates are not reliable or timely : report to the Administrator, Environmental Protection Agency. (EPA cost estimates are not reliable or timely.)

United States. General Accounting Office

Washington, D.C.: The Office; Gaithersburg, MD (P.O. Box 6015, Gaithersburg, MD 20877) : The Office [distributor; GA 1.13:AFMD-92-40.

32 p.; 28 cm. Cover title. July 1992. GAO/AFMD-92-40. "B-248034", P. 1. Includes bibliographical references (p. 30).

Language: English

Descriptors: Hazardous waste sites

NAL Call No: TD812.2.S97 1992 206 Superfund problems with the completeness and consistency of site cleanup plans : report to the Chairman, Subcommittee on Superfund, Ocean and Water Protection, Committee on the Environment and Public Works, U.S. Senate. (Problems with the completeness and consistency on site cleanup plans.)

United States, General Accounting Office, United States, Congress, Senate, Committee on Environment and Public Works, Subcommittee on Superfund, Ocean, and Water Protection

Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20877) : The Office [distributor; GA 1.13:RCED-92-138.

52 p. : ill. ; 28 cm. Cover title. May 1992. GAO/RCED-92-138. "B-247753", P. [1].

Language: English

Descriptors: Hazardous waste sites

NAL Call No: TD1040.S9 207 Superfund research plan, 1989-1990.

United States, Environmental Protection Agency, Haza rdous Waste/Superfund Research Committee, Superfund Research Subcommittee

Washington, DC : Superfund Research Subcommitte, Hazardous Waste/Superfund Research Committee, Office of Reseaarch and Development, U.S. Environmental Protection Agency; EP 1.23/9:600/8-90/037.

xii, 93 p. : ill., maps ; 28 cm. December 1989. EPA/600/8-90/037.

Language: English

Descriptors: Hazardous wastes; Hazardous waste sites

NAL Call No: SB952.8.T37 1990 208

TBT anti-fouling paints supplemental training materials.

United States, Environmental Protection Agency Washington, D.C.? : U.S. Environmental Protection Agency?, 1990?

1 v. (various pagings) : ill. ; 28 cm. Cover title. "April 1990. Includes bibliographical references.

Language: English

Descriptors: Pesticides; Paint, Antifouling; Ships; Aquatic pests

Abstract: This supplemental training materials manual compiled by North Carolina contains overview and regulatory information and various publications including the EPA pesticide fact sheet number 143 on properties, uses, technology, toxic and environmental effects of tributyltin (TBT) anti-fouling paints. It provides additional TBT references, sample labels, state hazardous waste agencies addresses and telephone numbers, and suggested TBT references to use with the National Paint Control Association Certification and Training Program.

209 NAL Call No: TD172.J61 TCDD (2,3,7,8-tetrachlorodibenzo-P-dioxin) causes reduction in glucose uptake through glucose transporters on the plasma membrane of the guinea pig adipocyte.

Enan, E.; Liu, P.C.C.; Matsumura, F.

New York, N.Y. : Marcel Dekker.

Journal of environmental science and health : Part B : Pesticides, food contaminants, and agricultural wastes v. 27 (5): p. 495-510; 1992. Includes references.

Language: English

Descriptors: Guinea pigs; Injection; Toxic substances; Pollutants; Glucose; Nutrient uptake; Adipose tissue; Pancreas; Adipocytes; Plasma membranes; Toxicity

210 NAL Cail No: TD1040.H37 1991 Technical resource document design, construction, and operation of hazardous and nonhazardous waste surface impoundments. (Design, construction, and operation of hazardous and non-hazardous waste surface impoundments.) Hartley, Robert P.

United States, Environmental Protection Agency, Office of Research and Development, Risk Reduction Engineering Laboratory (U.S.)

Cincinnati, Ohio : Risk Reduction Engineering

Laboratory, Office of Research and Development, U.S. Environmental Protection Agency; EP 1.17:530-SW-91/054.

xvii, 184 p. : ill. ; 28 cm. On cover: United States Environmental Protection Agency, Office of Research and Development. June 1991. EPA/530/SW-91/054. Includes bibliographical references (p. 161-184).

Language: English

Descriptors: Hazardous waste sites; Waste disposal sites

211 NAL Call No: TD1040.T43 1990 Technical support services for Superfund site remediation., 2nd ed.

United States, Environmental Protection Agency, Office of Solid Waste and Emergency Response

Washington, DC: U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response; EP 1.102:Su 7/2.

vi, 38 p. : ill. ; 28 cm. Shipping list no.: 91-219-P. "November 1990", Cover. "EPA/540/8-90/011", Cover. "Contract number 68-01-7481", P. ii.

Language: English

Descriptors: Hazardous wastes

212 NAL Call No: TS1960.A33 Toxic compounds produced during cooking and meat processing.

Hotchkiss, J.H.; Parker, R.S.

New York, N.Y.: Elsevier Science Publishing Co. Advances in meat research v. 6: p. 105-134; 1990. In the series analytic: Meat and health / edited by A.M. Pearson and T.R. Dutson. Includes references.

Language: English

Descriptors: Meat; Diet; Food consumption; Food storage; Cooking; Food processing; Toxic substances; Polycyclic hydrocarbons; Aromatic hydrocarbons; Nitroso compounds; Heterocyclic nitrogen compounds; Lipid peroxidation; Health

213 NAL Call No: KF3958.W67 1989 Toxic substances controls guide federal regulation of chemicals in the environment., 2nd edition.

Worobec, Mary Devine; Ordway, Girard Lanterman, 1926-; Worobec, Mary Devine

Washington, D.C. : Bureau of National Affairs, Inc.,.

xi, 239 p.; 23 cm. Rev. ed. of: Toxic substances controls primer. c1986.

Language: English

Descriptors: Chemicals; Hazardous substances; Hazardous wastes; Environmental law

214 NAL Call No: TD428.A37T695 1989 Toxic substances in agricultural water supply and drainage an international environmental perspective : papers from the Second Pan-American Regional Conference of the International Commission on Irrigation and Drainage, Ottawa, Canada, June 8-9, 1989.

Summers, Joseph B.; Anderson, Susan S.

International Commission on Irrigation and Drainage. Pan-American Regional Conference 1989: Ottawa, Ont.); U.S. Committee on Irrigation and Drainage, International Commission on Irrigation and Drainage, International Commission on Irrigation and Drainage, Canadian National Committee on Irrigation and Drainage

Denver, Colo. : U.S. Committee on Irrigation and Drainage,.

vi, 424 p. : ill., maps ; 22 cm. Summaries in French and Spanish. Includes bibliographies.

Language: English

Descriptors: Drainage; Environmental aspects; Congresses; Water; Pollution; Toxicology; Congresses; Irrigation water; Environmental aspects; Congresses; Agricultural pollution; Environmental aspects; Congresses

215 NAL Call No: NBUHC79 E5 B85 no.3 Toxics management and reduction.

Global Cities Project, Center for the Study of Law and Politics (U.S.)

San Francisco, CA : Global Cities Project,.

182 p. : ill. ; 28 cm. (Building sustainable communities ; 3). A project of the Center for the Study of Law and Politics. Includes bibliographical references (p. 169-172).

Language: English

Descriptors: Hazardous wastes; Hazardous substances

216 NAL Call No: HD1751.C45 Toxics regulation under California's Proposition 65: a state law with national effects.

Helfand, G.E.; House, B.W.; Larson, D.M.

Ames, Iowa : American Agricultural Economics Association.

Choices : the magazine of food, farm and resource

issues v. 7 (1): p. 18-21; 1992.

Language: English

Descriptors: California; Toxic substances; Law; Regulations; State government; Environmental protection

217 NAL Call No: 60.18 J82 Toxification and detoxification of plant compounds by ruminants: an overview. Smith, G.S.

Denver, Colo. : Society for Range Management. Journal of range management v. 45 (1): p. 25-30; 1992 Jan. Paper presented at the "Symposium on Ingestion of Poisonous Plants by Livestock," February 15, 1990, Reno, Nevada. Literature review. Includes references.

Language: English

Descriptors: Livestock; Ruminants; Toxicity; Poisonous plants; Plant composition; Metabolic detoxification; Rumen microorganisms; Tolerance; Literature reviews

Abstract: Improved usage of rangelands for livestock production requires better ways to reduce losses caused by poisonous plants, such as management practices to minimize ingestion and treatments to improve animal tolerance of ingested poisonous plants. In ruminants, gastrointestinal microbes can detoxify plant compounds, and this capacity has been enhanced in a few cases by deliberate modification of rumen microbial populations. Some plants are poisonous because ingested plant material is made toxic by microbial fermentation in the rumen, and better understanding of such toxifications will provide opportunities to diminish poisoning of that type. Absorption of toxic substances from the gastrointestinal tract into blood and lymph may be modified by feeding binding agents such as clay, resins, and indigestible fibers, or by pharmaceuticals that interfere with absorption of toxicants. Agents that induce or inhibit biotransformational enzymes in tissues of the host animal might modify animal tolerance of some plant toxicants. Provision of substances that serve as co-substrates of detoxification can enhance animal tolerance of other types of plant toxicants. Some reports that illustrate these approaches have been reviewed, and questions have been raised to stimulate further research.

218 NAL Call No: 79.9 C122 Transporting pesticides on our roadways, the rules of the road. Ayala, M. Fremont, Calif. : California Weed Conference. Proceedings - California Weed Conference (41st): p. 43-52; 1989. Meeting held on January 16-18, 1989, Ontario, California.

Language: English

Descriptors: California; Pesticides; Toxic substances; Regulations; Road transport

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Language: English

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