## TABLE OF SUBJECTS

### A

#### ADMINISTRATIVE AGENCIES

See also *Air Pollution*

- Army Corps of Engineers
  - Water pollution control ........... 410-72
- Atomic Energy Commission ....... 815-16
- California Coastal Commission .. 393-98
- Cost-benefit analysis ............. 473-531
- Environmental Protection Agency
  - Recombinant DNA regulation . 100-01
  - Water pollution control ........ 410-72
- Ex parte communication
  - New Source Performance Standards ...................... 748-61
- Fish & Wildlife Service
  - Water pollution control ........... 442-45
- Food & Drug Administration
  - Recombinant DNA regulation . 104-05
- National Institutes of Health
  - Recombinant DNA regulation . 102-03
- National Marine Fisheries Service
  - Water pollution control ........... 442-45
  - Nuclear Regulatory Commission . 802-06
  - 810-16
- Occupational Safety & Health Administration
  - Recombinant DNA regulation . 101-02

#### ADMINISTRATIVE LAW

See also *Cost-Benefit Analysis, Judicial Review*

- Congressional waiver ............... 733-34, 740

#### ADMINISTRATIVE PROCEDURES

See also *Air Pollution*

- Fast tracking provisions for energy development ................... 728-33, 739

#### AGRICULTURE

See also *Land Use*

- Demand for food and agriculture productivity ........... 655, 657, 660-64

#### AIR POLLUTION

- Emission Quotas
  - Emission density zoning .............. 273, 288-92, 302
  - Floating zone emission quotas . 273-74, 276-88, 295, 298, 301-02
  - Jurisdictional emission quotas . 273, 276-88, 295, 298, 301-02
  - Hazards of coal use ................. 777-78
- New Source Performance Standards
  - Coal-fired electric generating plants ............... 748-61
  - Domenici clause ....................... 751-54
  - Dry scrubbing ......................... 754-56
  - Ex parte communications .............. 759-61
  - Leniency ............................. 757-59
- Synthetic Fuels
  - Atmospheric carbon dioxide ........ 783, 787
  - Dust and particulates from oil shale .................. 782

#### AIRPORTS

- Noise ................................ 607-53

#### COASTAL ZONES

See also *Energy Production, National Energy Policy, State-Federal Relations*

- Development of state coastal programs .................... 539-57
- Models for developing state coastal programs ........... 563-81

#### CONSERVATION

See also *Environmentalism*

- History of National Park policy .................. 5-17, 39-46
- Streamflow protection ....................... 697-723

#### CONSTITUTIONAL LAW

See also *Due Process, Equal Protection, State-Federal Relations*

- Commerce clause ....................... 371-91
- Constitutional implications of cost-benefit analysis .... 488-89, 524-25
- Due process “taking”
  - Emission quotas ........... 274-92, 301-02
  - Strip mining reclamation .... 770-72
- Economic regulation
  - Liability limitation as .......... 168-71
  - Equal protection ................. 292-301, 302
  - Property takings by airport noise . 613-19
  - Supremacy clause ................. 538, 552
  - Radioactive waste management ... 790-800
JUDICIAL REVIEW
Agency cost-benefit practices........ 476-77, 493-502, 516, 525-27
Agricultural zoning exemptions...... 679-83
State consistency determinations
under coastal zone plans............. 549-53
Statutory limitations................ 734-38
Temporary Emergency Court of
Appeals.......................... 736-37

JURISDICTION
See also Judicial Review
Over foreign corporate defendants.... 344-48
Over foreign nations................ 354-59
Price-Anderson Act ................ 164

LAKES & RIVERS
Discharge of dredge & fill material...
........................................ 410-72
Lake Biwa (Japan) development
project.................................. 213-24

LAND USE
See also Air Pollution
Allocating development rights .... 295-301
Downzoning.......................... 278
Equitable land use regulation....
........................................ 192-93, 198-99
Growth management.................. 286-88
Historic landmark preservation..
........................................ 277, 283-84
Limits to state control
Municipal affairs doctrine....... 319-24
Lot size requirements.............. 291-92
Optimal resource allocation......
........................................ 190-92, 196-98
Preservation of agricultural land
ALI Model Land Development
Code.................................... 331-37
Conversion to other uses.......... 657-60
Local control....................... 305-12, 334-37
Planning............................ 326-31, 668-94
Poor quality farmland.............. 656, 662-64,
........................................ 671, 682
Prime farmland...................... 656, 673-77
Reconversion from other uses.......
........................................ 658-60, 662-64
Reserves............................. 656-57
State legislation.................... 312-19
U.S. Soil Conservation Service... 672-74
Recapture and compensation
Land value changes from public
action............................... 187-202
Reclamation of strip mined land... 761-73
Subdivision controls............... 289-90
Surface Mining Control & Reclamation Act .... 761-73
Transportation controls............ 275-76
Water pollution control.......... 464-66
Wetlands preservation............ 280-83

M
MINERALS & MINING
See also Land Use
Coal-synthetic fuels............. 781-89

N
NATIONAL ENERGY POLICY
See also Coastal Zones, Energy Production,
State-Federal Relations
Impact on state coastal programs... 559-63

NOISE POLLUTION
See Airport Noise Pollution

NUCLEAR ENERGY
See also Energy Resources
Cost-benefit analysis in NRC....
........................................ 499-502, 517-20
Limitation on industry liability..... 163-85
Radioactive waste management.... 790-800
Removal of industry liability..... 182-85
Uranium mill tailings.............. 801-09

NUISANCE
See Airport Noise Pollution

O
OCCUPATIONAL HEALTH
Synthetic fuels production...... 781-89

P
PARKS
Concessions in National Parks.... 1-54
Environmental degradation....... 36
History of National Parks system... 5-17
Park concession contracts.... 18-20, 26-27
Philosophy for National Park use.
........................................ 39-46, 48-54
Planning............................ 30-35
Visitor Use in National Parks.... 2,
........................................ 15-17, 22, 29

PESTICIDES & FERTILIZERS
Increase in agricultural productivity
........................................ 660
PUBLIC HEALTH
Quarantine statutes .................. 381-83

PUBLIC UTILITIES
Kemeny Report on the Accident at Three Mile Island ............. 810-17

REGIONAL PLANNING
Agricultural land preservation programs ....................... 655-96

REMEDIES
Governmental immunities for transboundary pollution .... 354-59
Governmental remedies for transboundary pollution .......... 348-54
Private law remedies for transboundary pollution .......... 342-48

RESOURCE MANAGEMENT
See Land Use, Water Resources

SOLID WASTE
See also Synthetic Fuels
State restrictions on waste importation ...................... 371-91

STANDING TO SUE
Standing in Japanese administrative suits ................... 235-44

STATE-FEDERAL RELATIONS
See also Coastal Zones, Constitutional Law, Energy Production, National Energy Policy
Agricultural land preservation programs ...................... 655-96
Conflicts over energy production ............................. 534-38
Preemption of air traffic regulation ......................... 619-29
Radioactive waste management ............................... 790-800
Recombinant DNA research .................................. 118-23
State & local autonomy ..................................... 741-44
State coastal program development ........................... 539-57
Water pollution control ...................................... 453-69

SYNTHETIC FUELS
Environmental risks ........................................... 781-85
Pending legislation ......................................... 785-89
Siting problems ............................................ 784-85
Social impacts of plant siting ............................... 784
Solid wastes ................................................. 781-85
Water pollution .............................................. 782-83

TORTS
See also Water Resources
Negligence
Recombinant DNA research ............................. 92-94
Recombinant DNA research
Use of tort law in regulation of ......................... 91-97
Res ipsa loquitur
Recombinant DNA research ............................. 93
Sources of duty to prevent extraterritorial pollution injury .... 359-70
Statute as substitute for common law rights .................. 173-78
Strict liability
Recombinant DNA research ............................. 94-95

TOXIC SUBSTANCES
Synthetic fuels ............................................. 781-89

WASTES
Wastewater
Synthetic fuels, coal gasification & liquefaction ............ 781-89

WATER POLLUTION
See also Synthetic Fuels
Clean Water Act § 404 ................. 410-72
Discharge of dredge & fill material .......................... 410-72
History of environmental pollution in Japan .................. 217-24
Nonpoint source pollution from erosion-prone land ............ 664-65

WATER RESOURCES
Administrative management .................. 156-61
Ground water liability
American Rule ........................................ 137-38
Comparative Cause Rule ............................... 153-55
First User Principle ..................................... 151-52
Priority of Use Rule .................................... 152-53
Restatement of Torts Rule ......................... 134-35, 138-47
Instream appropriations ...................... 713-22
Minimum flow requirements ................... 710-13
Prior appropriations .................................. 700-04
Protection of instream water uses ............ 705-15
Public trust doctrine ............................... 144-47

ZONING
See also Air Pollution, Land Use
Agricultural zoning
Criteria for designating zones . . 670-75
Districting .................... 675-77
Effect of governmental activities ........................................ 683-85
Owner initiated exemption procedure .................... 681-83
Permitted & compatible uses . . . . 677-79
State-mandated local programs . . 686-89
Eminent domain financed by special assessment .................. 195