Index

Abandonment
- CERCLA remedial actions (Section 106), inactive and abandoned sites, **6:39**
- Hazardous wastes regulations, abandoned or discarded materials, **5:4**
- RCRA imminent hazard actions jurisdiction of Section 2003, inactive and abandoned sites, **6:23**

Absence
- Permanent permitted TSD facilities, absent owner/operators, **5:99**

Accidental release
- Air emissions. See entries throughout this heading
- Air pollution. See entries throughout this heading
- List of regulated substances and thresholds for accidental release prevention, requirements for petitions under Section 112(r) of Clean Air Act as amended, **App 7F**
- Petitions, list of regulated substances and thresholds for accidental release prevention, requirements for petitions under Section 112(r) of Clean Air Act as amended, **App 7F**
- Standards
  - Hazardous emission standards, **7:14**
  - List of regulated substances and thresholds for accidental release prevention, requirements for petitions under Section 112(r) of Clean Air Act as amended, **App 7F**

Agreements
- Covenant not to sue, settlement provision, **6:146**
- Guidance on financial assurance in Superfund settlement agreements and unilateral administrative orders, **App 6Z**
- Joint defense and dispute resolution agreement for superfund site, **App 6E**
- Professional services contract, expert and specialized legal representation, **App 6X**
- Prospective purchasers of contaminated property, **App 6R**

Agricultural commodities
- See also Food and Food Additives (this index)
- Unregulated or minimally regulated agricultural wastes, **5:18**

AHERA
- See Asbestos Hazard Emergency Response Act (AHERA) (this index)

Air pollution
- Generally, **7:1; 7:2**
- Accidental releases
  - List of regulated substances and thresholds for accidental release prevention, requirements for petitions under Section 112(r) of Clean Air Act as amended, **App 7F**
  - Standards, **7:14**
- Categories of sources, **App 7D, 7H**
- Contingency plan guidance, national response team's, **App 7G**
- Emissions. See entries throughout this heading
- EPA lists, rules, and reports
  - Historical perspective
    - Before the 1990 regulation, **7:4 to 7:6**
    - 1990 amendments, **7:7**
  - List of categories of sources, **App 7D, 7H**
  - List of regulated substances and thresholds for accidental release prevention, requirements for petitions under Section 112(r) of Clean Air Act as amended, **App 7F**
  - National response team's contingency plan guidance, **App 7G**
  - Schedule for promulgation of emission standards, **App 7E**
  - Tier 2 motor vehicle emissions standards and gasoline sulfur control requirements, **App 7K**
- Global and regional limits on air emissions from ships, **7:17**
- Greenhouse gases, **7:15**
- Historical perspective
  - Before the 1990 regulation, **7:4 to 7:6**
  - Lead, **7:6**
  - 1990 amendments, **7:7**
  - Particulates and volatile organic compounds, **7:5**
- International conventions impacting air emissions, **7:17**
- Lead, **7:6**
- List of air contaminants standards: PEL Z-Tables, **App 9C**
- List of categories of sources, **App 7D, 7H**
- List of regulated substances and thresholds for accidental release prevention, requirements for petitions under Section 112(r) of Clean Air Act as amended, **App 7F**
- Motor vehicle emissions standards and gasoline sulfur control requirements, **App 7K**
- National response team's contingency plan guidance, **App 7G**

Air pollution—Cont'd
New source performance, standards, **7:8**
OSHA standards, amended, **9:21**
Particulates and volatile organic compounds, historical perspective, **7:5**
Petitions, list of regulated substances and thresholds for accidental release prevention, requirements for petitions under Section 112(r) of Clean Air Act as amended, **App 7F**
Recent developments, **7:3**
Residual risk standards, **7:13**
Schedule for promulgation of emission standards, **App 7E**
Standards
Accidental releases, **7:14**
Before the 1990 amendments, **7:9; 7:10**
EPA schedule for promulgation of emission standards, **App 7E**
Greenhouse gases, **7:15**
List of regulated substances and thresholds for accidental release prevention, requirements for petitions under Section 112(r) of Clean Air Act as amended, **App 7F**
New source performance, **7:8**
1990 amendments
emissions from hazardous waste remediated sites, **7:12**
regulatory scheme, **7:11**
Residual risk standards, **7:13**
State regulation, **7:16**
Tier 2 motor vehicle emissions standards and gasoline sulfur control requirements, **App 7K**
Vessels, global and regional limits on air emissions, **7:17**
Volatile organic compounds, **7:5**

Air transporters of hazardous wastes
Manifest, **5:53**

American Trucking Assoc., Whitman v.
Case law, **App 7L**

Antarctic conservation act
Generally, **7:30**

Appeal and review
Toxic Substances Control Act (TSCA), **2:51; 2:92**

Asbestos
Generally, **2:54**
Asbestos Hazard Emergency Response Act (AHERA), **2:58 to 2:60**
CERCLA actions against responsible parties under Section 107, **6:87**
Clean Air Act requirements, **2:55**
Contractor accreditation under AHERA, **2:62**
Disposal, **2:65; 2:66**

Asbestos—Cont'd
EPA's regulations under AHERA, **2:60**
Inspection and reinspection under AHERA, **2:61**
Litigation, asbestos-related, **2:67**
Management plans under AHERA, **2:62**
Occupant protection under AHERA, **2:64**
OSHA requirements, **2:56**
Response actions under AHERA, **2:63**
State and local law, **2:66**
Statutory requirements of AHERA, **2:59**
TSCA requirements, **2:57**
Worker protection, **2:56; 2:64**

Asbestos Hazard Emergency Response Act (AHERA)
Background, **2:58**
EPA's regulations, **2:60**
Inspection and reinspection, **2:61**
Management plans, **2:62**
Response actions, **2:63**
Statutory requirements, **2:59**
Worker and occupant protection, **2:64**

Attorneys
Professional services contract, expert and specialized legal representation, **App 6X**

Audits
Admissibility of internal audits, **5:143**

Bankruptcy
CERCLA actions, effect of PRP's bankruptcy, **6:134**
Enforcement of hazardous wastes law, effect on, **5:166**
Imminent hazard RCRA actions, effect on, **6:33**
TSD facility owner/operator, effect on TSD's permanent permitted status, **5:99**

Bestfoods, et al., United States v.
Case law, **App 6T**

Biennial reports
Generators of hazardous waste, **5:39**

Biotechnology
Generally, **2:95**
Policy statement of EPA, **App 8C**

Boilers and industrial furnaces
Permanent permitted TSD facility standards, **5:106**

Bona fide prospective purchasers
CERCLA new amendments and, **App 6V**

Bulk shipments or transports of hazardous wastes
Generator manifest, **5:36**
Transport manifest, **5:54**

Burden of proof
Worker exposure to chemicals, **9:8 to 9:12**

Buyouts
De micromis, **6:149**
De minimis, **6:148**

Cancellation of pesticide registration
See Pesticides (this index)

Century Alumina co., et al., Mathes v.
Case law, **App 6Y**

CERCLA
See Comprehensive Environmental Response, Compensation And Liability Act (CERCLA) (this index)

Chemfuel
Permanent permitted TSD facilities standards, **5:108**

Chemical Facility Anti-Terrorism Standards (CFATS)
Toxic Substances Control Act (TSCA), **2:96**

Chemical hazard situations
Emergency and response, **6:1 to 6:187**

Children
Food with pesticide residues, exposure to, **8:20**

Chlorinated naphthalenes (non-PCB chemical)
Generally, **2:69**

Chlorinated terphenyl (non-PCB chemical)
Generally, **2:69**

Citizen suits or petitions
CERCLA provisions enforcement, **6:153**
Community right-to-know provisions, **6:187**
Consumer Product Safety Act, **4:9**
Feasibility and expense considerations, **5:150; 5:151**
Intervention, **5:149**
Language of citizen suit, **5:147**
Limitations and prohibitions, **5:148**
Manifest system requirements, **5:151**
Pesticides regulations, **3:94**
Trade secret protection, disclosure, **6:182**
TSCA provisions, **2:76 to 2:77**
TSD facility standards, **5:150**
Underground storage tanks, EPA's regulations, **5:175**
Wastewater effluents, **7:21**

Civil monetary penalty inflation
Adjustments, **App 2P**

Clean air
See Air Pollution (this index)

Cleanup statutes
Federal
CERCLA. See Comprehensive Environmental Response, Compensation And Liability Act (CERCLA) (this index)
RCRA. See Resource Conservation And Recovery Act (RCRA) (this index)
Spills on waters. See Spills On Navigable Waters (this index)
State, voluntary cleanup statutes, **6:162; App 6H**

Clean water
Spills on navigable waters. See Spills On Navigable Waters (this index)
Wastewater effluents. See Wastewater Effluents (this index)

Closure
Employee rights, layoffs and plant closings, **2:79**
Treatment, storage, or disposal (TSD) facilities
Financial requirements, **5:75; 5:100**
Interim status facility, **5:73 to 5:72**
Permanent permitted status facility, **5:98 to 5:97**
Postclosure, **5:74; 5:75**
Underground storage tanks, federal requirements, **5:172**

Community right-to-know provisions of the Superfund Amendments and Reauthorization Act of 1986 (SARA)
Generally, **6:164**
Discretionary information, EPA revised policy on release of, **App 6M**
Duties of governmental representatives
Emergency response plans, **6:171**
Formation and operation of local emergency planning committees, **6:170**
Emergency planning requirements (Subtitle A)
Duties of governmental representatives, above
Obligations of facility owners and operators, below
Enforcement provisions
Administrative orders, **6:186**
Citizen suits, **6:182; 6:187**
Civil and criminal penalties, **6:186**
State and local entities, suits by, **6:187**
State superfund provisions, summary of selected, **App 6H**
Trade secret protection, **6:185**
Extremely hazardous substances, obligations of facility owners and operators, **6:167**
Obligations of facility owners and operators
Contaminated aquifers owners and operators, **App 6Q**
Emergency notification in event of release
Generally, **6:166**
Contents of notice, **6:169**

Community right-to-know provisions of the Superfund Amendments and Reauthorization Act of 1986 (SARA) —Cont'd
Obligations of facility owners and operators —Cont'd
Emergency notification in event of release —Cont'd
Extremely hazardous substances, **6:167**
Other substances, **6:168**
Extremely hazardous substances, **6:167**
Initial notification, **6:165**
Reporting requirements, routine or periodic
Generally, **6:166; 6:172**
Disclosure to public, inventory reporting, **6:175**
Inventory reporting, **6:174; 6:175**
Safety data sheets, **6:173**
What must be reported, **6:178**
Who must report, **6:177**
Summary of selected state superfund provisions, **App 6H**
Summary of selected state underground storage tank provisions, **App 6I**
Trade secret protection
Generally, **6:179**
Citizen petition for disclosure, **6:182**
Criteria, **6:181**
Disclosure to governor, **6:184**
Disclosure to health professionals, treating doctors, and nurses, **6:183**
Enforcement and confidentiality protection, **6:185**
Procedure for claiming, **6:180**

Composite Wood Products Act
Formaldehyde standards, **App 2N**

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)
Generally, **6:35; 6:36**
Actions against responsible parties under Section 107
Generally, **6:78; 6:79**
Asbestos, **6:87**
Bankruptcy of PRP, **6:134**
Corporate entities
Dissolved corporations, **6:102**
Employees, shareholders, and officers, **6:108**
Parent corporations, **6:109**
Successor corporations, **6:107**
Defenses, statutory, **6:119**
Federal facilities, **6:85**
Gasoline service stations, **6:90**
Indemnification and exculpatory schemes, **6:83**

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) —Cont'd
Actions against responsible parties under Section 107—Cont'd
Liability
Bankruptcy of PRP, **6:134**
Contribution, **6:111 to 6:113; 6:131**
Divisibility of harm among PRPs, **6:114**
Indemnification and exculpatory schemes, **6:83**
Joint and several liability and correlative rights of contribution, **6:111**
Limitations on liability, **6:80**
Orphan shares, **6:115**
Persons liable, below
Scope of liability, **6:111 to 6:115**
Standard of liability, **6:110**
Strict liability, **6:110**
Limitations on liability, **6:80; 6:84**
Limitations on natural resources damage recovery, substantive and procedural, **6:84**
Natural resources damage recovery limitations, substantive and procedural, **6:75; 6:84; 6:123**
Persons liable
Dissolved corporations, **6:102**
Federal agencies, **6:104**
Generators, **6:105**
Innocent purchasers, **6:100**
Owners and operators, **6:99 to 6:104**
Private owners and operators, **6:99**
Secured creditors and other fiduciaries, **6:101**
State and local governments, **6:103**
Transporters, **6:106**
Pesticides, **6:86**
Private cost recovery actions, **6:118**
Procedural issues
Joinder of parties, **6:98**
Jury trial, **6:97**
Punitive damages, **6:81**
Reclaimers of used oil, **6:90**
Recyclers of scrap, **6:91**
Relationship of section 107 to
Section 104, **6:116**
Sections 111 and 112, **6:117**
Releases, federally permitted, **6:88**
Relief available
Contribution, **6:111 to 6:113; 6:131; 6:154**
De micromis, **6:92**
Indemnification and exculpatory schemes, **6:83**
Municipal solid waste, **6:93**
Preexpenditure review and declaratory relief, **6:94**

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) —Cont'd
Actions against responsible parties under Section 107—Cont'd
Relief available—Cont'd
Punitive damages, **6:81**
Recoverable response and ancillary costs, **6:95**
Timing of cost recovery actions, **6:96**
Scrap recyclers, **6:91**
Shield provision, **6:82**
State superfund provisions, summary of selected, **App 6H**
Statutory provisions affecting PRP, **6:79 to 6:93**
Superlien, **6:120**
TSD facilities, RCRA-permitted, **6:89**
Used oil reclaimers, **6:90**
Agreements with prospective purchasers of contaminated property, **App 6R**
Bankruptcy of PRP, effect on liability, **6:134**
Bona fide prospective purchasers and new amendments to CERCLA, **App 6V**
Citizen suits, **6:153**
Claims against the fund, Sections 111 and 112
Generally, **6:121**
Flowchart of criteria for substantial harm determination for onshore non-transportation related facilities, **App 6O**
Limitations
Natural resource damage claims, **6:123**
Other limitations, **6:124**
Statute of limitations, **6:129**
Time limitations, **6:122**
Model facility-specific SPCC plan for onshore non-transportation related facilities, **App 6P**
Procedures
Decision-making, **6:127**
Presentation of claim, **6:126**
Statute of limitations, **6:129**
Subrogation, **6:128**
Rules of EPA, **App 6D**
State programs, **6:125**
Contribution liability, **6:111 to 6:113; 6:131; 6:154**
Corporations
Dissolved corporations, **6:102**
Employees, shareholders, and officers, **6:108**
Parent corporations, **6:109**
Successor corporations, **6:107**
De micromis, actions against responsible parties under Section 107, **6:92**
Employee-related issues, **6:72; 6:73; 6:108**

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) —Cont'd
Enforcement of CERCLA requirements
Citizen suits, **6:153**
State enforcement, **6:154**
Feasibility studies under CERCLA, outline or summary of contents of remedial investigations/, **App 6B, 6L**
Government-funded cleanup of hazardous waste sites and spills (Sections 104 and 105)
Generally, **6:51; 6:52**
Applicability, **6:53**
Assessment of damages to natural resources, **6:75**
Contractors, cleanup issues, **6:72**
Employee-related issues, **6:72; 6:73**
Fate of removed substances, **6:76**
Federal expenditure of trust funds, **6:54**
Impact on private property, **6:74**
Information-gathering authority
Generally, **6:68**
Access, entry, and condemnation, **6:70**
Enforcement, **6:71**
EPA revised policy on discretionary information release, **App 6M**
Requests, information, **6:69**
Investigations/feasibility studies, outline of contents of remedial, **App 6B**
Miscellaneous limitations on section 104 expenditures, **6:77**
National contingency plan
Administrative record, **6:61**
Cost-effectiveness, **6:64**
Extent of remedy, **6:62; 6:63**
Private party voluntary cleanups, **6:60**
Public participation, **6:59**
State and local standards and participation, **6:65; 6:66**
Statutory requirements, **6:57**
National priorities list
Compilation, effect, and challenges, **6:56**
Criteria and development, **6:55**
EPAs hazard ranking system, **App 6G, 6G-1**
subsurface intrusion component to hazard ranking system, addition, **App 6G-1**
Natural resources damages, assessment of, **6:75**
Reportable quantities, **6:54**
State mandatory cooperation, **6:67**
Worker protection, cleanup issues, **6:73**
Government to funded cleanup of hazardous waste sites and spills (Sections 104 and 105)
National contingency plan
Evaluation and analysis, **6:58 to 6:61**
Indemnification and exculpatory schemes, **6:83**

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) —Cont'd
Investigations/feasibility studies under CERCLA, outline of contents of remedial, **App 6B, 6L**
Judicial review
Litigation-related matter, **6:130**
Preenforcement judicial review, **6:47**
Limitations
Actions against responsible parties under Section 107, **6:80; 6:84**
Claims against the fund, Sections 111 and 112, **6:123; 6:124**
Government-funded cleanup of hazardous waste sites and spills (Section 104), miscellaneous limitations on expenditures, **6:77**
Liability limitations, **6:80**
Natural resources damage recovery limitations, **6:84**
Remedial actions (Section 106) limitations, **6:48**
Statute of limitations, **6:129; 6:132**
Litigation-related matters
Generally, **6:135; 6:138**
Bankruptcy of PRP, **6:134**
Cases not involving waste disposal site, **6:141**
Citizen suits, **6:153**
Contribution, **6:131**
Demand and prelitigation response, **6:137**
Financial responsibility requirements, **6:133; 6:134**
Judicial review, **6:130**
Natural resources damages litigation overview, **6:155**
Order of proceedings, **6:140**
Penalties, **6:152; App 6N**
Preemption of common law of public nuisance, **6:156**
Prelitigation information gathering, **6:136**
Prelitigation response to demand, **6:137**
Proof issues, **6:139**
Settlement matters. Settlement matters, below
State enforcement of CERCLA requirements, **6:154**
Statute of limitations, **6:129; 6:132**
Litigation to related matters
Contribution, **6:111 to 6:113**
Municipal landfill sites, summary of investigatory/feasibility studies, **App 6L**
Municipal solid waste, actions against responsible parties under Section 107, **6:93**
Natural resources damage claims
Assessment of damages to natural resources, **6:75**
Limitations, **6:84; 6:123**

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) —Cont'd
Outline of contents of remedial investigations/feasibility studies under CERCLA, **App 6B**
Penalties, **6:152; App 6N**
Punitive damages, **6:81**
Purchasers
Agreements with prospective purchasers of contaminated property, **App 6R**
Innocent purchaser liability, **6:100**
Release of discretionary information, EPA revised policy, **App 6M**
Remedial actions (Section 106)
Generally, **6:37; 6:38**
Applicability of RCRA and other statutory requirements and Section 106 limitations, **6:48**
Costs, recovery from superfund, **6:50**
EPA guidance on financial assurance in Superfund settlement agreements and unilateral administrative orders, OECA (April 2015), **App 6Z**
EPA model unilateral administrative order for remedial design and remedial action under Section 106, **App 6K**
Jurisdictional issues, **6:42**
Limitations, **6:48**
Other statutory requirements, applicability of, **6:48**
Outline of contents of remedial investigations/feasibility studies under CERCLA, **App 6B, 6L**
Persons liable
Generally, **6:38**
Inactive and abandoned sites, **6:39**
Miscellaneous jurisdictional issues, **6:42**
Pre-CERCLA, acts completed, **6:40**
Relationship to Section 107, **6:41**
Preenforcement judicial review, **6:47**
Settlements, state input, **6:49**
Superfund, remedial costs payment source, **6:50**
Superfund, summary of selected state provisions, **App 6H**
Trial and remedial issues
Elements of cause of action, **6:43**
Joint and several liability, **6:45**
Scope of relief, **6:46**
Standard of liability, **6:44**
Remedial investigations/feasibility studies under CERCLA
Municipal landfill sites, summary, **App 6L**
Outline of contents of, **App 6B**
Settlement matters, litigation under CERCLA
Generally, **6:142**

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) —Cont'd
Settlement matters, litigation under CERCLA —Cont'd
Administrative settlements, **6:147**
Buyouts, de micromis, **6:149**
Buyouts, de minimis, **6:148**
Contribution, **6:154**
Covenants not to sue, **6:146**
Dominant issues, **6:142**
Liability, **6:153**
Mixed funding, **6:150**
Modification, **6:152**
Pre-1986 litigation, **6:142; 6:143**
Procedures, settlement, **6:145**
Superfund Amendments and Reauthorization Act of 1986 (SARA), settlement under Section 122, **6:144 to 6:151**
Vessels, **6:151**
Settlement matters, remedial actions (Section 106), state input, **6:49**
Settlement policy of EPA, excerpts, **App 6C**
State enforcement of CERCLA requirements, **6:154**
State superfund provisions, summary of selected, **App 6H**
Statute of limitations, **6:129; 6:132**
Statutory sections, table of Session Law to U.S.Code cross-references, **App 6A**
Summary of selected state superfund provisions, **App 6H**
Summary of selected state underground storage tank provisions, **App 6I**
Superfund Amendments and Reauthorization Act of 1986 (SARA), settlement under Section 122
Administrative settlements, **6:147**
Buyouts, de micromis, **6:149**
Buyouts, de minimis, **6:148**
Contribution, **6:154**
Covenants not to sue, **6:146**
Liability, **6:153**
Mixed funding, **6:150**
Modification, **6:152**
Procedures, settlement, **6:145**
Vessels, **6:151**
Superlien action, **6:120**

Compromise and settlement
See Settlement And Compromise (this index)

Confidentiality
Community right-to-know provisions. See Community Right-To-Know Provisions Of The Superfund Amendments And Reauthorization Act of 1986 (this index)

Confidentiality—Cont'd
Disclosure of information. See Disclosure Of Information About Chemicals And Hazards (this index)

Consent
Toxic Substances Control Act (TSCA), testing requirements by rule, order or consent agreement. See index heading TOXIC SUBSTANCES CONTROL ACT (TSCA)

Conservation
Antarctic Conservation Act, generally, **7:30**
RCRA. See Resource Conservation And Recovery Act (RCRA) (this index)

Consumer Product Safety Act
Generally, **4:1**
Citizen suits, **4:9**
Emergency powers, **4:6**
Enforcement, **4:5; 4:9**
Amendments, **4:20**
Implementation, **4:21**
Exports, **4:7**
Imports, **4:7**
Judicial review, **4:4**
Penalties, **4:8**
Procedures, **4:4**
Regulatory authority, **4:2**
Regulatory strategy, **4:3**
State standards, **4:10**

Consumer products or goods containing chemicals
Banned products, Hazardous Substances Act, **4:13**
Citizen suits, Consumer Product Safety Act, **4:9**
Consumer Product Safety Act
Generally, **4:1**
Citizen suits, **4:9**
Emergency powers, **4:6**
Enforcement, **4:5**
Exports, **4:7**
Imports, **4:7**
Judicial review, **4:4**
Penalties, **4:8**
Procedures, **4:4**
Regulatory authority, **4:2**
Regulatory strategy, **4:3**
State standards, **4:10**
Emergency powers
Consumer Product Safety Act, **4:6**
Hazardous Substances Act, **4:16**
Enforcement
Consumer Product Safety Act, **4:5; 4:9**
amendments, **4:20**
implementation, **4:21**
Hazardous Substances Act, **4:15**

Consumer products or goods containing chemicals—Cont'd
EPA's Safer Choice Standard (formerly the DfE Standard for Safer Products), **App 4A**
Exports
Consumer Product Safety Act, **4:7**
Hazardous Substances Act, **4:17**
Hazardous Substances Act
Generally, **4:11**
Emergency powers, **4:16**
Enforcement, **4:15**
Exports, **4:17**
Imports, **4:17**
Labeling product, **4:19**
Labeling requirements, **4:12**
Penalties, **4:18**
Procedures, **4:14**
Product bans, **4:13**
Product labeling, **4:19**
Regulatory scheme, **4:12; 4:13**
Imports
Consumer Product Safety Act, **4:7**
Hazardous Substances Act, **4:17**
Judicial review, Consumer Product Safety Act, **4:4**
Labeling requirements
EPA's Safer Choice Standard (formerly the DfE Standard for Safer Products), **4:19**
Hazardous Substances Act, **4:12**
Penalties
Consumer Product Safety Act, **4:8**
Hazardous Substances Act, **4:18**
Procedures
Consumer Product Safety Act, **4:4**
Hazardous Substances Act, **4:14**
Regulatory scheme
Consumer Product Safety Act, **4:2; 4:3**
Hazardous Substances Act, **4:12; 4:13**
Safer Choice product labeling program of EPA, **4:19**

Containers for hazardous wastes
Ignitable and reactive waste storage, **5:89; 5:104**
Pesticides, **3:89**
Residues in empty containers, **3:89; 5:17; 5:23**
Transporters manifest, **5:53**
Underground tanks. See Underground Storage Tanks (this index)

Contingency plan, national
See National Contingency Plan (this index)

Contractors
Disclosure of confidential information to contractors under TSCA, **2:45**

Contribution
CERCLA liability, **6:111 to 6:113; 6:131; 6:154**

Contribution—Cont'd
Imminent hazard actions under RCRA, remedy, **6:34**
Settlement under SARA and CERCLA, **6:154**

Corporations
CERCLA actions Section 107
Dissolved corporations, **6:102**
Employees, shareholders, and officers, **6:108**
Parent corporations, **6:109**
Successor corporations, **6:107**

Covenants not to sue
Settlement provision, **6:146**

Damages
Buyouts
De micromis, **6:149**
De minimus, **6:148**
Contribution, **6:34; 6:111 to 6:113; 6:131; 6:154**
Indemnity
CERCLA liability, indemnification and exculpatory schemes, **6:83**
Pesticide registration under FIFRA, cancellation or suspension of, **3:71; 3:72**
Natural resource damages
Assessment of damages under CERCLA, **6:75**
Limitations on CERCLA claims, **6:84; 6:123**
Litigation, **6:155 to 6:163**
Marine discharges, international regulation, **6:159**
Navigable waters oil spills, cleanup obligation, **6:17**
Overview of litigation, **6:155**
Preemption by CERCLA, **6:156**
State laws, **6:160 to 6:162**
Penalties. See Penalties (this index)
Punitive damages, **6:81**

DBPP, TBPP, and TRIS-BP phosphate
Generally, **2:68**

Defense
CERCLA actions, statutory defenses, **6:119**
Cleanup of spilled oil, defenses, **6:16**
Joint defense and dispute resolution agreement for superfund site, **App 6E**
Worker exposure to chemicals, defense to liability, **9:14**

Definitions
Food additive
Generally, **8:6 to 8:9**
Generally recognized as safe (GRAS) status, **8:10; 8:11**
Public Water System, **App 7I**
TSCA-related terms and acronyms, **App 2B**

De micromis
Buyout, **6:149**
Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), **6:92; 6:149**

De minimus buyout
Generally, **6:148**

Disclosure of information about chemicals and hazards
Community right-to-know provisions. See Community Right-To-Know Provisions Of The Superfund Amendments And Reauthorization Act Of 1986 (SARA) (this index)
Confidential information (trade secret). Trade secret disclosure, below
Confidential information under TSCA, disclosure of
Generally, **2:37; 2:38; 2:41**
Asserting confidentiality claims, **2:39**
Congress, disclosure to, **2:42**
Contractors, disclosure to, **2:45**
Necessity of unreasonable risk of injury, **2:46**
Other federal agencies, disclosure to, **2:43**
Protected and unprotected information, generally, **2:38**
Substantial risks notice to EPA under TSCA Section 8(e), **2:34**
Substantive confidentiality standards, **2:40**
TSCA administrative proceeding, information relevant to, **2:44**
Employees, disclosure of hazards to
Discrimination and wrongful discharge, **9:29**
Emergency response activities, **9:30; App 9D**
Hazard communication rule of OSHA, **9:28; App 9B**
Hazardous waste and emergency response activities, **9:30; App 9D**
Requirements, **9:27**
Owners and operators of facilities, disclosure by
Contaminated aquifers, **App 6Q**
Contents of emergency notification in event of release, **6:169**
Emergency notification in event of release, **6:166 to 6:169**
Extremely hazardous substances, **6:167**
Initial notification, **6:165; 6:169**
Other substances, **6:168**
Pesticides registration, disclosure of proprietary data, **3:38**
Recordkeeping. See Recordkeeping And Reporting (this index)
Toxic chemical release, **6:176 to 6:178**
Trade secret disclosure
Generally, **6:179**
Citizen petition for disclosure, **6:182**

Disclosure of information about chemicals and hazards—Cont'd
Trade secret disclosure—Cont'd
Criteria, **6:181**
Disclosure to governor, **6:184**
Disclosure to health professionals, treating doctors, and nurses, **6:183**
Enforcement and confidentiality protection, **6:185**
Procedure for claiming, **6:180**

Discrimination
Disclosure of hazards to employees, **9:29**

Disposal of toxic substances and hazardous wastes
Asbestos, **2:65; 2:66**
Facilities. See Treatment, Storage, Or Disposal (TSD) Of Hazardous Wastes Facilities (this index)
Generators of hazardous waste, liability for Improperly disposed waste, **5:45**
Local action affecting hazardous waste disposal, **5:132**
PCBs, **2:85**
Transporters of hazardous wastes. See Hazardous Wastes (this index)

Dissolved corporations
CERCLA Section 107 actions, **6:102**

DNA products (biotechnology), recombinant
Generally, **2:95**
Policy statement of EPA, **App 8C**

Drinking water
See Water (this index)

Economic feasibility
CERCLA investigatory/feasibility studies, **App 6B, 6L**
Citizen suits or petitions, **5:150; 5:151**
OSHA standards for toxic materials and harmful physical agents, **9:20**

Emergency and response
Chemical hazard situations, **6:1 to 6:187**

Emissions
Generally
1990 Amendments, **7:12**
Hazardous waste
Generally, **7:12**
Remediated sites, **7:12**

Employers and employees
Generally, **9:1**
Ability of employer to materially reduce the hazard, proof of, **9:12**
Air contaminants, amended OSHA standards, **9:21**

Employers and employees—Cont'd
Asbestos response
AHERA coverage, **2:64**
OSHA coverage, **2:56**
Burden of proof
Generally, **9:8**
Ability of employer to materially reduce the hazard, **9:12**
Causation of harm, proof of, **9:11**
Failure to maintain premises free from recognized hazard, proof of, **9:10**
Recognized hazard, proof of, **9:9**
Causation of harm, proof of, **9:11**
Causing or likely to cause death or serious physical harm, **9:7**
CERCLA actions
Section 107, **6:108**
Sections 104 and 105, **6:72; 6:73**
Challenging OSHA enforcement orders, **9:35 to 9:37**
Cross-references table, session law and U.S. Code cites for OSHA, **App 9A**
Defenses of employer, **9:14**
Disclosure of hazards to employees
Discrimination and wrongful discharge, **9:29**
Emergency response activities, **9:30; App 9D**
Hazard communication rule of OSHA, **9:28; App 9B**
Hazardous waste and emergency response activities, **9:30; App 9D**
Requirements, **9:27**
Worker protection, **9:30**
Wrongful discharge, **9:29**
Discrimination, disclosure of hazards to employees, **9:29**
Duty of employer regarding hazards
Generally, **9:2**
Burden of proof, above
Defenses, **9:14**
Elements of the obligation
Causing or likely to cause death or serious physical harm, **9:7**
Free from recognized hazards, **9:6**
Recognized hazards, **9:5; 9:6**
Employee's obligation, **9:4**
Place of employment, **9:3**
Economic feasibility, **9:20**
Emergency response activities, disclosure of hazards to employees, **9:30; App 9D**
Emergency temporary standards
Generally, **9:23**
Grave danger standard, **9:24**
Judicial review, **9:26**
Necessity, **9:25**
Employee's obligation, **9:4**

Employers and employees—Cont'd
Enforcement of hazardous wastes law and regulations, employee protection, **5:163; 5:164**
Enforcement of OSHA standards, employee challenges, **9:36**
Failure to maintain premises free from recognized hazard, proof of, **9:10**
Free from recognized hazards, **9:6**
Government-funded cleanup of hazardous waste sites and spills (Sections 104 and 105), employee-related issues, **6:72; 6:73**
Grave danger standard, **9:24**
Hazard communication rule of OSHA, **9:28; App 9B**
Hazardous waste and emergency response activities, **9:30; App 9D**
Judicial review, emergency temporary standard, **9:26**
Judicial review of OSHRC decisions, **9:39**
Laboratories, standards for, **9:22**
Layoffs and plant closings, **2:79**
National consensus standards, generally, **9:15**
Necessity, emergency temporary standard, **9:25**
NIOSH chemical carcinogen policy, **App 9E**
Occupational safety and health standards
Generally, **9:16**
Air contaminants, amended standards for, **9:21**
Asbestos, **2:56**
Challenging enforcement orders, **9:35 to 9:37**
Criteria for establishment of standard, **9:17**
Disclosure of hazards to employees, **9:27 to 9:30; App 9B, 9D**
Discrimination and wrongful discharge, **9:29**
Economic feasibility, **9:20**
Emergency response activities, **9:30; App 9D**
Emergency temporary standards
Generally, **9:23**
Grave danger standard, **9:24**
Judicial review, **9:26**
Necessity, **9:25**
Enforcement of OSHA standards
Generally, **9:34**
Challenging enforcement orders, procedures
Generally, **9:35**
Settlements, **9:37**
Judicial review of OSHRC decisions, **9:39**
Scope of OSHRC's review authority, **9:38**
Settlements of challenged orders, **9:37**
Enforcement orders, employee challenges, **9:36**
Grave danger standard, **9:24**
Hazard communication rule of OSHA, **9:28; App 9B**
Hazardous waste and emergency response activities, **9:30; App 9D**

Employers and employees—Cont'd
Occupational safety and health standards —Cont'd
Judicial review, emergency temporary standards, **9:26**
Judicial review of OSHRC decisions, **9:39**
Laboratories, standards for, **9:22**
Necessity, emergency temporary standards, **9:25**
Pesticide employees, protection under FIFRA, **3:9**
Regulatory overlap, **9:31**
Requirements, **9:27**
Scope of OSHRC's review authority, **9:38**
Settlements of challenged orders, **9:37**
Standards for toxic materials and harmful physical agents
Generally, **9:18**
Economic feasibility, **9:20**
Technological feasibility, **9:19**
Table of OSHA cross-references between session law and U.S. Code cite, **App 9A**
Technological feasibility, **9:19**
29 CFR Part 1910 OSHA Standards, **App 9B-1**
Worker protection, disclosure, **9:30**
Wrongful discharge, **9:29**
Pesticide employees, protection under FIFRA, **3:9**
Place of employment, **9:3**
Preemption of state programs, **9:33**
Preexisting federal standards, generally, **9:15**
Recognized hazards, **9:5; 9:6; 9:9**
Scope of OSHRC's review authority, **9:38**
Serious violations, **9:13**
Settlements of challenged OSHRC orders, **9:37**
State programs
Generally, **9:32**
Preemption, **9:33**
Table of OSHA cross-references between session law and U.S. Code cite, **App 9A**
Technological feasibility, **9:19**
Toxic materials and harmful physical agents, standards for
Generally, **9:18**
Economic feasibility, **9:20**
Technological feasibility, **9:19**
TSCA, employee protection
Asbestos emergency response, **2:64**
Layoffs and plant closings, **2:79**
Whistle-blower protection, **2:78; 5:163**
TSD facility, personnel training, **5:88**
29 CFR Part 1910 OSHA Standards, **App 9B-1**
Whistle-blower protection, **2:78; 5:163**
Worker protection, disclosure, **9:30**
Wrongful discharge, **9:29**

Empty containers, residues in
Generally, **3:89; 5:17; 5:23**

Enforcement of hazardous wastes law and regulations
Generally, **5:134**
Administrative enforcement by government, **5:144; 5:145**
Against federal facilities, **5:157**
Bankruptcy's effect on enforcement, **5:166**
Citizen enforcement
Feasibility and expense considerations, **5:150; 5:151**
Intervention, **5:149**
Language of citizen suit, **5:147**
Limitations and prohibitions, **5:148**
Manifest system requirements, **5:151**
TSD facility standards, **5:150**
Underground storage tanks, EPA's regulations, **5:175**
Civil enforcement by government, **5:144; 5:145**
Criminal enforcement
Generally, **5:152**
Knowing endangerment, **5:155**
Other crimes potentially arising from hazardous waste activity, **5:156**
Penalties, **5:154**
RCRA crimes and penalties, **5:145; 5:153; 5:154**
DOT Hazardous Materials Transportation Act, preemption materials, **App 5F**
Employee protection, **5:163; 5:164**
Employment security and workplace safety, **5:164**
Information gathering
Generally, **5:135**
Demands for information, site access, and records access, **5:136 to 5:136**
Internal audits, admissibility of, **5:143**
Monitoring, analysis, and testing orders (section 3013), **5:141**
Monitoring and other site activity orders, **5:141; 5:142**
Remedies available to EPA for noncompliance with section 3007 demand, **5:140**
Responses and remedies under section 3013 monitoring and site activity orders, **5:142**
To whom does section 3007 apply, **5:138**
What persons are authorized to request information or enter site and on what terms, **5:139**
What use can be made of section 3007 information, **5:137**
Interface with CERCLA enforcement, **5:165**
Judicial review of EPA actions
Actions of general applicability, **5:158**
Other actions, **5:161**

Enforcement of hazardous wastes law and regulations—Cont'd
Judicial review of EPA actions—Cont'd
Permit actions, **5:159**
State program authorizations, **5:159**
State program decisions, **5:160**
Medical Waste Tracking Act of 1988, **5:180**
Public participation, **5:162**
RCRA enforcement and penalty policies, **5:145; 5:153; 5:154**
State enforcement, **5:146**
Underground Injection Control (UIC), **7:47**
Underground storage tanks, EPA's regulations, citizen enforcement, **5:175**
Wastewater effluents, **7:21**
Whistle-blowers, protection, **2:78; 5:163**
Workplace safety, **5:164**

Enforcement of site remediation
Guidance on financial assurance in Superfund settlement agreements and unilateral administrative orders, Office of Site Remediation (April 2015), **App 6Z**

European Union
Pesticide regulation, **3:97**

Exports
Consumer Product Safety Act, **4:7**
Consumer products of goods, **4:7; 4:17**
Hazardous Substances Act, **4:17**
Hazardous waste generators, **5:40; 5:41**
Hazardous wastes, unregulated or minimally regulated wastes, **5:25**
Hazardous waste transporters, manifest, **5:56**
Pesticides, registration under FIFRA, **3:74**

Extremely hazardous substances
Obligations of facility owners and operators, emergency notification in event of release, **6:167**

Feasibility, economic and technological
CERCLA investigatory/feasibility studies, **App 6B, 6L**
Citizen suits or petitions, **5:150; 5:151**
OSHA standards for toxic materials and harmful physical agents, **9:19; 9:20**

Federal Insecticide, Fungicide and Rodenticide Act (FIFRA)
See Pesticides (this index)

Fiduciaries
CERCLA liability, **6:101**

FIFRA
See Pesticides (this index)

Financial obligations
Audits, admissibility of internal audits, **5:143**

Financial obligations—Cont'd
CERCLA) litigation, financial responsibility requirements, **6:133; 6:134**
Feasibility studies
CERCLA investigatory/feasibility studies, **App 6B, 6L**
Citizen suits or petitions, **5:150; 5:151**
OSHA standards for toxic materials and harmful physical agents, **9:19; 9:20**
Guidance on financial assurance in Superfund settlement agreements and unilateral administrative orders, Office of Site Remediation (April 2015), **App 6Z**
Interim status TSD facilities
Closure and postclosure, **5:75; 5:78**
Liability insurance, **5:76**
Liability insurance requirements
Interim status TSD facilities, **5:76**
Permanent permitted TSD facilities, **5:96**
Permanent permitted TSD facilities
Generally, **5:95**
Absent owner/operators, **5:99**
Bankrupt owner/operators, **5:99**
Closure and postclosure, **5:98**
Liability insurance requirements, **5:96**
State and federal TSD facilities, **5:97**
Underground storage tanks, financial responsibility, **5:173**

Flood plain
Permanent permitted TSD standards, **5:90**

Food and food additives
Generally, **8:1 to 8:5**
Affirmation of GRAS status, **8:14**
Biotechnology products, policy statement, **App 8C**
Component as food additive, **8:7 to 8:9**
Concept of "safe," **8:11**
Definitions
Food additive, **8:6 to 8:9**
Generally recognized as safe (GRAS) status, **8:10; 8:11**
Delaney provision, **8:5**
Determination or affirmation of GRAS status, **8:14**
Direct additives, generally, **8:8**
Food Quality Protection Act Implementation (1999), **App 3B**
Food Quality Protection Act of 1996, **8:3**
Food Quality Protection Act regime, **8:18 to 8:23**
Generally recognized as safe (GRAS) status
Generally, **8:10**
Concept of "safe," **8:11**
Determination or affirmation of GRAS status, **8:14**
Prior sanctioned substances, **8:13**

Food and food additives—Cont'd
Generally recognized as safe (GRAS) status —Cont'd
Procedural issues, **8:14 to 8:15**
Scientific opinion, how much is needed, **8:12**
Termination of GRAS status, **8:15**
Genetically modified plants, **8:24; App 8B, 8C**
GRAS status. Generally recognized as safe (GRAS) status, above
Indirect additives, generally, **8:9**
Infants and children, exposure to pesticide residues, **8:20**
Legislation
Act of 1958, **8:2**
Development of the law, **8:1**
Food Quality Protection Act of 1996, **8:3**
Table of cross-references between session law and U.S. Code (Federal Food, Drug, and Cosmetic Act), **8:2**
New plant varieties, policy statement, **App 8B**
Pesticide residues, generally
Generally, **3:39; 8:16**
Certificate of usefulness, **3:40**
Coordination policy of EPA, response to petitions, **App 8E**
Establishment of a tolerance or exemption, **3:41 to 3:40**
Exposure of infants and children, **8:20**
Factors for tolerances and exemptions, **8:21**
FIFRA, under, **3:39 to 3:41**
Food Quality Protection Act regime, **8:18 to 8:23**
Historical regulatory regime, **8:17**
Judicial review, **3:43**
Miscellaneous provisions, **8:23**
Policy on tolerances and exemptions, partial response to petition to modify, **App 8D**
Procedural requirements, tolerances and exemptions, **3:42**
Reasonable certainty, standard, **8:19**
Review of existing tolerances and exemptions, **8:22**
Substantive criteria, tolerances and exemptions, **3:41**
Temporary tolerances, **3:44**
Tolerances and exemptions, **3:39 to 3:41; 8:21 to 8:22; App 8D**
Policy statements of EPA
Biotechnology products, **App 8C**
Foods derived from new plant varieties, **App 8B**
Pesticide coordination policy, response to petitions, **App 8E**
Pesticide tolerances, partial response to petition to modify, **App 8D**
Prior sanctioned substances, **8:13**

Food and food additives—Cont'd
Procedural issues, GRAS status, **8:14 to 8:15**
Safe status. Generally recognized as safe (GRAS) status, above
Scientific opinion item safe, how much is needed, **8:12**
Substantive requirements, **8:4**
Table of cross-references between session law and U.S. Code (Federal Food, Drug, and Cosmetic Act), **8:2**
Termination of GRAS status, **8:15**
Tolerance factors and exemptions, pesticide residues, **3:39 to 3:41; 8:21 to 8:22; App 8D**
What is a food additive
Generally, **8:6**
Component, **8:7 to 8:9**
Direct additives, **8:8**
Generally recognized as safe (GRAS) status, **8:10 to 8:15**
Indirect additives, **8:9**

Food and food products
Unregulated or minimally regulated agricultural wastes, **5:18**

Formaldehyde
Composite wood products, **2:87; App 2N**

Frank R. Lautenberg Chemical Safety for the 21st Century Act
Generally, **2:47 to 2:51; App 2M**
Frequent questions and answers, **App 2R**

Fuel
Gasoline
CERCLA Section 107 actions, gasoline service stations, **6:90**
Motor vehicle emissions standards, gasoline sulfur control requirements, **App 7K**
Standards of performance for specific TSD facility
Categorical non-waste fuels, **5:109**
Chemfuel, **5:108**

Fungicide, insecticide, and rodenticide
See Pesticides (this index)

Gasoline
CERCLA Section 107 actions, gasoline service stations, **6:90**
Motor vehicle emissions standards, gasoline sulfur control requirements, **App 7K**

Generators of hazardous wastes
See Hazardous Wastes (this index)

Grave danger standard
Employment, emergency temporary standards, **9:24**

Greenhouse gases
Hazardous emission standards, **7:15**

Groundwater and drinking water protection
See Water (this index)

Hazardous secondary material
Generator-controlled reclamation exclusions, **5:14**

Hazardous wastes
Generally, **5:1 et seq.**
Abandoned materials, regulation of, **5:4**
Agricultural wastes, **5:18**
Bankruptcy
Enforcement, effect on, **5:166**
TSD facility owner/operator, effect on TSD's permanent permitted status, **5:99**
Bulk transport or shipment, manifest, **5:36; 5:54**
Containers
Ignitable and reactive waste storage, **5:89; 5:104**
Pesticides, **3:89**
Residues in empty containers, **3:89; 5:17; 5:23**
Transporters manifest, **5:53**
Underground tanks. See Underground Storage Tanks (this index)
Criteria for identifying regulated wastes, **5:7**
Discarded materials, regulation of, **5:4**
Disposal
Facilities. See Treatment, Storage, Or Disposal (TSD) Of Hazardous Wastes Facilities (this index)
Generators of hazardous waste, liability for Improperly disposed waste, **5:45**
Local action affecting hazardous waste disposal, **5:132**
Transporters of hazardous wastes. See Hazardous Wastes (this index)
DOT Hazardous Materials Transportation Act, preemption materials, **App 5F**
Effluents. See Wastewater Effluents (this index)
Emissions, **7:12**
Empty containers, residues in, **3:89; 5:17; 5:23**
Enforcement of laws and regulations. See Enforcement Of Hazardous Wastes Law and Regulations (this index)
EPA guidance to generators on Waste Minimization Program, **App 5G**
EPA RCRA enforcement policy, **App 5C**
Exports
Generators of hazardous waste, **5:40; 5:41**
Transporters of hazardous waste manifest, **5:56**
Unregulated or minimally regulated wastes, **5:25**
''First third'' land ban rule of EPA, excerpts from preamble, **App 5D**

Hazardous wastes—Cont'd
Generator-controlled reclamation exclusions, **5:14**
Generators of hazardous waste, regulation of
Biennial report form (EPA Form), **5:39**
Bulk shipments, use of manifest and special manifest rules, **5:36**
Environmental justice program, **5:47**
Exporters, **5:40; 5:41**
Identification number, generator, **5:34**
Identification of waste, **5:33**
Imminent hazards, liability for., **5:45**
Importers, **5:40; 5:42**
Improperly disposed waste, liability for., **5:45**
Limitation on generator status, **5:43**
Manifest requirements, **5:35; 5:36**
100-1000 kg./mo. generators, **5:44**
Packaging, labeling, marking, and placarding, **5:37**
Pollution prevention program, **5:46**
Recordkeeping, **5:38**
Regulated generators, **5:32**
Reporting, **5:39**
Small quantity generators, **5:44**
Very-small-quantity generators, **5:31**
Waste Minimization Program, EPA guidance, **App 5G**
Hazardous secondary material legitimately reclaimed by generator, **5:14**
Household wastes, **5:17**
HSWA land ban, EPA regulatory implementation of, **5:103**
Identification criteria, **5:7**
Importers, **5:40; 5:42**
Incinerator residues, **5:17**
Inherently waste-like materials, **5:6**
Inspections
Medical Waste Tracking Act of 1988, **5:180**
Standards applicable to all TSDs, **5:87**
Irrigation return waters, waste in, **5:11**
Lead-based paint, **2:86**
Limitations
Citizen enforcement, **5:148**
Generator status, **5:43**
Lists, technical appendixes to 40 CFR Part 264, **App 5B**
Local action affecting hazardous waste disposal, **5:132**
Manifest
Air transport, manifest, **5:53**
Bulk transport or shipment, manifest, **5:36; 5:54**
Citizen enforcement, manifest system requirements, **5:151**
Containerized water transport, manifest, **5:53**
Exports, manifest, **5:56**

Hazardous wastes—Cont'd
Manifest—Cont'd
Generators of hazardous waste, regulation of
Bulk shipments, use of manifest and special manifest rules, **5:36**
Manifest requirements, **5:35; 5:36**
Motor vehicle transport, manifest, **5:53**
Railroads transport, manifest, **5:55**
State manifest requirements, **5:57**
Marine discharges, international regulation, **6:159**
Medical Waste Tracking Act of 1988
Applicability, **5:177**
Inspections and enforcement, **5:180**
Overview of regulations, **5:179**
Overview of statute, **5:178**
Mining and mineral processing wastes, **5:13**
Miscellaneous, **5:20**
Mixtures as regulated substances, **5:8**
Perfluoronated compounds, **5:26.30**
Petitions
Addition of substance to regulations, **5:30**
Regulation of wastes
Addition by petition, **5:30**
Exclusion by petition (delisting), **5:27**
perfluoronated compounds, **5:26.30**
plastics, **5:28**
Pharmeceuticals, **5:26**
Polychlorinated biphenyls (PCBs), **2:80 to 2:85; 5:22**
Radioactive wastes, **5:12**
Reclaimed materials, **5:14; 5:21; 5:24**
Recycled materials, **5:5; 5:14; 5:21**
Remediated sites, **7:12**
Reporting, biennial generator report form (EPA Form), **5:39**
Resource Conservation and Recovery Act (RCRA)
Enforcement and penalty policies, **5:145; 5:153; 5:154**
Table of session law to U.S. Code cross-references, **App 5A**
TSD facilities, RCRA-based requirements, **5:114**
Resource recovery and incinerator residues, **5:17**
Reused materials, **5:5; 5:14; 5:21; 5:24**
''Second third'' land ban rule of EPA, excerpts from preamble, **App 5E**
Sewage and industrial discharges to water bodies, **5:10**
Sludges, **5:16**
Special waste categories, **5:26**
State program
Delegation, **5:131**
Environmental cleanup responsibility statutes, **5:133**

Hazardous wastes—Cont'd
State program—Cont'd
Local action affecting disposal, **5:132**
Storage facilities. See Treatment, Storage, Or Disposal (TSD) Of Hazardous Wastes Facilities (this index)
Technical appendixes to Part 264, **App 5B**
Transporters of hazardous waste
Generally, **5:48**
Air transport, manifest, **5:53**
Bulk water transport, manifest, **5:54**
Containerized water transport, manifest, **5:53**
Delivery of waste for treatment, storage, or disposal, **5:58**
Discharges, transportation-related, **5:59**
Exports, manifest, **5:56**
Generators, transporters as, **5:49**
Identification number of transporter, **5:50**
Manifest requirements, **5:52 to 5:54**
Motor vehicle transport, manifest, **5:53**
Railroads transport, manifest, **5:55**
Spills, transportation-related, **5:59**
State manifest requirements, **5:57**
TSD facilities, transporters as, **5:51**
Treatability study samples, **5:19**
Treatment and storage. See Treatment, Storage, Or Disposal (TSD) Of Hazardous Wastes Facilities (this index)
Treatment facilities. See Treatment, Storage, Or Disposal (TSD) Of Hazardous Wastes Facilities (this index)
Underground storage tanks. See Underground Storage Tanks (this index)
Under study, **5:15**
Unregulated or minimally regulated wastes
Generally, **5:9**
Agricultural wastes, **5:18**
Empty containers, residues in, **5:17; 5:23**
Exports, **5:25**
Generator-controlled reclamation exclusions, **5:14**
Hazardous secondary material legitimately reclaimed by generator, **5:14**
Household wastes, **5:17**
Incinerator residues, **5:17**
Irrigation return waters, waste in, **5:11**
Mining and mineral processing wastes, **5:13**
Miscellaneous, **5:20**
Petition for exclusion (delisting), **5:27**
Pharmaceuticals, **5:26**
Polychlorinated biphenyls (PCBs), **5:22**
Radioactive wastes, **5:12**
Reclaimed materials, **5:14; 5:21**
Recycled materials, **5:5; 5:14; 5:21**
Resource recovery and incinerator residues, **5:17**

Hazardous wastes—Cont'd
Unregulated or minimally regulated wastes —Cont'd
Reused materials, **5:14; 5:21**
Sewage and industrial discharges to water bodies, **5:10**
Sludges, **5:16**
Special waste categories, **5:26**
Study, wastes under, **5:15**
Treatability study samples, **5:19**
Used materials, **5:14; 5:21**
Used oil, **5:24**
Used materials, **5:14; 5:21; 5:24**
Used oil, **5:24**
Very-small-quantity generators, **5:31**
What substances are regulated
Generally, **5:2; 5:3**
Abandoned materials, **5:4**
Criteria for identifying regulated wastes, **5:7**
Discarded materials, **5:4**
Excluded wastes. Unregulated or minimally regulated wastes, above
Inherently waste-like materials, **5:6**
Mixtures, **5:8**
Petition for addition, **5:30**
Recycled materials, **5:5; 5:21**

Hexachloronorbornadiene (non-PCB chemical)
Generally, **2:69**

Historical perspective
Air emissions regulations
Before the 1990 regulation, **7:4 to 7:6**
1990 regulation, **7:7**
Food, pesticide residues regulatory regime, **8:17**
Pesticides, registration under FIFRA, **3:13 to 3:14**

Household wastes
Unregulated or minimally regulated wastes, **5:17**

Ignitable and reactive waste storage
Generally, **5:89; 5:104**

Imminent hazards
Abandoned sites, **6:23**
Bankrupt defendants, **6:33**
Generators and transporters, jurisdiction, **6:24**
Generators of hazardous waste liability, **5:45**
Inactive and abandoned sites, **6:23**
Indispensable or necessary parties, **6:27**
Intervention by private plaintiffs and others, **6:28**
Joint and several liability, RCRA actions, **6:32**
Jury trial, **6:29**
Owners and operators of TSD facilities, jurisdiction, **6:25**
Private party contribution actions, **6:34**
Proof, RCRA actions, **6:30**

Imminent hazards—Cont'd
RCRA actions
Abandoned sites, **6:23**
Background and overview of Section 7003, **6:21**
Bankrupt defendants, **6:33**
Generators and transporters, jurisdiction, **6:24**
Governmental entities jurisdiction, **6:26**
Guidance on use of Section 7003, **App 6S**
Jurisdiction of Section 2003
Generators and transporters, **6:24**
Governmental entities, **6:26**
Inactive and abandoned sites, **6:23**
Owners and operators of TSD facilities, **6:25**
Waste types, **6:22**
Owners and operators of TSD facilities jurisdiction, **6:25**
Private party contribution actions, **6:34**
Procedural issues
Indispensable or necessary parties, **6:27**
Intervention by private plaintiffs and others, **6:28**
Jury trial, **6:29**
Proof, **6:30**
Remedies
Generally, **6:31**
Bankrupt defendants, **6:33**
Joint and several liability, **6:32**
Private party contribution actions, **6:34**
TSCA Section 7, **2:25**
Types of wastes, **6:22**
Waste types, RCRA action jurisdiction, **6:22**
Wastewater effluents, **7:29; 7:46**

Imports
Consumer Product Safety Act, **4:7**
Consumer products or goods, **4:7; 4:17**
Hazardous Substances Act, **4:17**
Pesticides, registration under FIFRA, **3:73**
Toxic Substances Control Act, **2:52**

Incinerators
Permanent permitted TSD facility standards, **5:105**
Residues, unregulated or minimally regulated wastes, **5:17**

Indemnity
CERCLA liability, indemnification and exculpatory schemes, **6:83**
Pesticide registration under FIFRA, cancellation or suspension of, **3:71; 3:72**

Indispensable and necessary parties
RCRA actions, imminent hazards, **6:27**

Inert ingredients
Generally, **3:37**

Inflation
Civil monetary penalty inflation adjustment rule, **2:74**

Infrastructure Investment and Jobs Act
Underground Injection Control (UIC) well permits, **7:48**

Inherently waste-like materials
Generally, **5:6**

Injunctions
Pesticides regulation violation, **3:82**

Innocent purchasers
CERCLA liability, **6:100**

Insecticide, fungicide, and rodenticide
See Pesticides (this index)

Inspection
On-site civil inspection procedures, **App 2Q**

Inspections
Asbestos, inspection and reinspection under AHERA, **2:61**
Enforcement of TSCA, inspection and forcible entry, **2:70**
Medical Waste Tracking Act of 1988, **5:180**
TSD facilities, **5:87**

Insurance
Interim status TSD facilities, requirements, **5:76**
Permanent permitted TSD facilities, requirements, **5:96**

International conventions
Air pollution, global and regional limits on air emissions from ships, **7:17**

International regulation
Marine discharges of oil and hazardous substances, **6:159**
Mercury, **2:94**

Intervention of parties
RCRA actions, imminent hazards, **6:28**

Introducing new chemicals into commerce
See Premanufacture Notice (PMN) (this index)

Investigations
Remedial investigations/feasibility studies under CERCLA
Municipal landfill sites, summary, **App 6L**
Outline of contents of, **App 6B**

Irrigation return waters
Unregulated or minimally regulated wastes, **5:11**

Joinder of parties
CERCLA actions, **6:98**

Joint and several liability
CERCLA actions (Section 106), **6:45**
Imminent hazard actions under RCRA, **6:32**

Judicial review
CERCLA matter
Litigation-related matter, **6:130**
Preenforcement judicial review, **6:47**
Consumer Product Safety Act, **4:4**
EPA actions enforcing hazardous wastes law
Actions of general applicability, **5:158**
Other actions, **5:161**
Permit actions, **5:159**
State program authorizations, **5:159**
State program decisions, **5:160**
Greenhouse gases as air pollutants, **7:15**
Pesticides law under FIFRA. See Pesticides (this index)
Worker exposure to chemicals
OSHA emergency temporary standard, **9:26**
OSHRC decisions, **9:39**

Jurisdiction
CERCLA remedial actions (Section 106), **6:42**
RCRA Section 2003 imminent hazard actions, **6:22 to 6:25**

Jury trial
CERCLA actions, **6:97**
RCRA imminent hazard actions, **6:29**

Labeling and packaging
Consumer products, labeling requirements, **4:12; 4:19**
EPA's Safer Choice Standard (formerly the DfE Standard for Safer Products), **4:19; App 4A**
Generators of hazardous waste, requirements, **5:37**
Hazardous substances in consumer goods, **4:12; 4:19**
Inert ingredients, **3:37**
Pesticides, requirements
Labeling, **3:32; 3:34**
Packaging, **3:36**
Safer Choice product labeling program of EPA, **4:19; App 4A**

Laboratories
Standards for, **9:22**

Land ban rule, TSD facilities
EPA implementation of land ban rule, **5:103**

Landfills
EPA interim municipal settlement policy, **App 6J**
Excluded wastes, standards, **5:79**
Permit requirements and procedure, **5:127**

Landfills—Cont'd
Remedial investigations/feasibility studies, summary of municipal sites, **App 6L**

Layoffs
Generally, **2:79**

Lead and lead-based paints
Air emission/pollution, **7:6**
Toxic Substances Control Act. See Toxic Substances Control Act (TSCA) (this index)

Licenses
See Permits And Licenses (this index)

Liens
CERCLA superlien action, **6:120**

Limitations
Actions against responsible parties under CERCLA Section 107, **6:80; 6:84**
CERCLA limitations
Actions against responsible parties under Section 107, **6:80; 6:84**
Claims against the fund, Sections 111 and 112, **6:123; 6:124**
Government-funded cleanup of hazardous waste sites and spills (Section 104), miscellaneous limitations on expenditures, **6:77**
Liability limitations, **6:80**
Natural resources damage recovery limitations, **6:84; 6:123**
Remedial actions (Section 106) limitations, **6:48**
Statute of limitations, **6:129; 6:132**
Citizen enforcement, hazardous wastes violations, **5:148**
Claims against the fund, CERCLA Sections 111 and 112, **6:123; 6:124**
Generator status, hazardous wastes, **5:43**
Government-funded cleanup of hazardous waste sites and spills (CERCLA Section 104), miscellaneous limitations on expenditures, **6:77**
Hazardous wastes limitations
Citizen enforcement, **5:148**
Generator status, **5:43**
Liability, CERCLA limitations, **6:80**
Natural resources damage recovery, CERCLA limitations, **6:84; 6:123**
Remedial actions (CERCLA Section 106) limitations, **6:48**
Statute of limitations, CERCLA, **6:129; 6:132**

Lists and tables
Air emissions and pollution
Categories of sources, list, **App 7D, 7H**
List of regulated substances and thresholds for accidental release prevention, requirements for petitions under Section 112(r) of Clean Air Act as amended, **App 7F**
PEL Z- Tables, air contaminants standards, **App 9C**
CERCLA Sections 104 and 105, national priorities list
Compilation, effect, and challenges, **6:56**
Criteria and development, **6:55**
EPAs hazard ranking system, **App 6G, 6G-1**
Drinking water, list of chemicals EPA must evaluate for safe drinking water, **App 7C**
Hazardous wastes
Technical appendixes to 40 CFR Part 264, **App 5B**
Technical appendixes to Part 264, **App 5B**
PEL Z- Tables, air contaminants standards, **App 9C**
Table of cross-references (session law to U.S. Code cite)
CERCLA provisions, **App 6A**
Federal Food, Drug, and Cosmetic Act, **8:2**
FIFRA numbers, **App 3A**
OSHA provisions, **App 9A**
RCRA numbers, **App 5A**
TSCA numbers, **App 2A**
Wastewater effluents law, **App 7A**
Toxic Substances Control Act, Section 5 PMN polymer exemption: preamble to final rule (November 1984), **App 2F**
Wastewater effluents
CFR parts and sections containing toxic effluent limitations, **App 7B**
Impaired waters lists and controls, **7:24**

Marine environment protection committee
Fifty-Sixth Session, report, **App 6W**

Marine tort and regulatory law
Generally, **6:158**
International regulation of discharges of oil and hazardous substances, **6:159**

Mathes v. Century Alumina Co., et al.
Case law, **App 6Y**

MBOCA (non-PCB chemical)
Generally, **2:69**

Medical Waste Tracking Act of 1988
Applicability, **5:177**
Inspections and enforcement, **5:180**
Overview of regulations, **5:179**
Overview of statute, **5:178**

Mercury
International regulation, **2:94**

Mercury—Cont'd
Minamata Convention on Mercury Text and Annexes, **App 2O**

Mining and mineral processing wastes
Unregulated or minimally regulated wastes, **5:13**

Mixtures
As regulated substances, **5:8**
Chemical fate testing guidelines, **2:10**
Environmental effects testing guidelines, **2:9**
EPA's hazard ranking system, **App 6G, 6G-1**
Health effects testing guidelines, **2:11**
Laboratory practices, **2:8**
TSCA Section 4, study of new and existing substances and mixtures
Chemical fate testing guidelines, **2:10**
Data compensation, **2:12**
Environmental effects testing guidelines, **2:9**
EPA's hazard ranking system, **App 6G, 6G-1**
Exemptions and data compensation, **2:12**
Health effects testing guidelines, **2:11**
Laboratory practices, **2:8**
Test rule requirements, **2:8 to 2:12**

Motor vehicle
Gasoline sulfur control requirements, emission standards, **App 7K**
Greenhouse gases and emissions standards, **7:15**
Hazardous waste transporters manifest, **5:53**

Municipal landfill facilities/sites
EPA interim municipal settlement policy, **App 6J**
Remedial investigations/feasibility studies, summary of municipal landfill sites, **App 6L**

Municipal solid waste
Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), actions against responsible parties under Section 107, **6:93**

National contingency plan
Air emissions. national response team's contingency plan guidance, **App 7G**
Hazardous waste sites and spills, CERCLA's government-funded cleanup
Administrative record, **6:61**
Cost-effectiveness, **6:64**
Extent of remedy, **6:62; 6:63**
Private party voluntary cleanups, **6:60**
Public participation, **6:59**
State and local standards and participation, **6:65; 6:66**
Statutory requirements, **6:57**
Hazardous waste sites and spills, CERCLA's government to funded cleanup
Evaluation and analysis, **6:58 to 6:61**

National Institute for Occupational Safety and Health (NIOSH)
Chemical carcinogen policy, **App 9E**

Natural resource damages
Assessment of damages under CERCLA, **6:75**
Limitations on CERCLA claims, **6:84; 6:123**
Navigable waters oil spills, cleanup obligation, **6:17**

Necessary parties
RCRA actions of imminent hazards, **6:27**

Necessity
Disclosure of confidential information under TSCA, necessity of unreasonable risk of injury, **2:46**
Occupational safety and health, emergency temporary standards, **9:25**

New source performance, air emissions
Standards, **7:8**

Non-waste
Fuel, standards of performance for specific TSD facility, **5:109**

Notice and notification
Introducing new chemicals into commerce. Premanufacture notice (PMN), below
Owners and operators of TSD facilities, hazard disclosure and emergency notification in event of release, **6:165; 6:169**
Pesticides registration
Notice of intent to cancel, **3:62**
Polymers, premanufacture notice exemption, preamble to final rule, **App 2F**
Premanufacture notice (PMN)
Generally, **2:15**
Data submission obligations placed on PMN submitter, **2:18**
Exemptions from PMN-related requirements, **2:21**
Requirements, **2:16; 2:20**
Section 8(c) rule preamble (August 1983), **App 2G**
Section 5 polymer exemption, preamble to final rule (1984), **App 2F**
Significant new use rules (SNUR), **2:17**
Substantial risks notice to EPA under TSCA Section 8(e)
Generally, **2:31**
Confidentiality, **2:34**
Spills, leaks, and accidents, **2:35**
What must be reported, **2:33**
Who must report, **2:32**
TSD FACILITIES, notification requirements, **5:65; 5:84**

Occupants
Asbestos, occupant protection under AHERA, **2:64**

Occupational safety and health standards
See Employers and Employees (this index)

Office of Enforcement and Compliance Assurance
Guidance on financial assurance in Superfund settlement agreements and unilateral administrative orders, Office of Site Remediation (April 2015), **App 6Z**

Oil pollution
Clean Water Act And The Oil Pollution Act Of 1990, Section 311. See Spills On Navigable Waters (this index)
Defenses to cleanup duty, **6:16**
Government-funded removals, **6:16**
Marine discharges, international regulation, **6:159**
Natural resource damages, **6:17**
Private discharger obligations, **6:15**
Reimbursement issues and defenses, **6:16**
Spills on waters. See Spills on Navigable Waters (this index)

Oil reclaimers
CERCLA actions against used oil reclaimers, **6:90**
Unregulated or minimally regulated hazardous wastes, used oil, **5:24**

Onshore and offshore facilities, cercla claims
Generally, **6:9**
Criteria for substantial harm determination, **App 6O**
Model facility-specific SPCC plan, **App 6P**

Operators and owners of facilities
See Owners and Operators of Facilities (this index)

Orders
Toxic Substances Control Act (TSCA), testing requirements by rule, order or consent agreement. See index heading TOXIC SUBSTANCES CONTROL ACT (TSCA)

Organization
Generally, **1:1**
Contents, choice of, **1:2**

Orphan shares
CERCLA liability, **6:115**

Owners and operators of facilities
CERCLA liability
Dissolved corporations, **6:102**
Federal agencies, **6:104**

Owners and operators of facilities—Cont'd
CERCLA liability—Cont'd
Innocent purchasers, **6:100**
Private owners and operators, **6:99**
Secured creditors and other fiduciaries, **6:101**
State and local governments, **6:103**
Contaminated aquifers, **App 6Q**
Contents of emergency notification in event of release, **6:169**
Dissolved corporations, **6:102**
Emergency notification in event of release
Generally, **6:166**
Contents of notice, **6:169**
Extremely hazardous substances, **6:167**
Other substances, **6:168**
Extremely hazardous substances, disclosure and response, **6:167**
Federal agencies, **6:104**
Hazard disclosure and emergency response under SARA, obligations
Contaminated aquifers, **App 6Q**
Contents of emergency notification in event of release, **6:169**
Emergency notification in event of release, **6:166 to 6:169**
Extremely hazardous substances, **6:167**
Initial notification, **6:165; 6:169**
Other substances, **6:168**
Penalties for nondisclosure, **6:186**
Imminent hazard actions under RCRA, owners and operators of TSD facilities, **6:25**
Initial notification of hazard and emergency response, **6:165; 6:169**
Innocent purchasers, **6:100**
Private owners and operators, **6:99**
Secured creditors and other fiduciaries, **6:101**
State and local governments, CERCLA liability, **6:103**

Packaging
See Labeling and Packaging (this index)

Parent corporations
CERCLA Section 107 actions, **6:109**

Parties
CERCLA actions, joinder of parties, **6:98**
Indispensable or necessary parties, **6:27**
Intervention, **6:28**
Joinder of parties, **6:98**
RCRA imminent hazard action, **6:27; 6:28**

PBBs
See Polybrominated Biphenyls (PBBs) (this index)

PCBs
See Polychlorinated Biphenyls (PCBs) (this index)

Penalties
CERCLA litigation-related matters, **6:152**
Civil monetary penalty inflation adjustment rule, **2:74**
Community right-to-know violations, **6:186**
Consumer Product Safety Act violation, **4:8**
Consumer products and goods, **4:8; 4:18**
EPCRA violations, **App 6N**
Hazard disclosure and emergency response requirements violation, **6:186**
Hazardous Substances Act violation, **4:18**
Laws and regulations, violation of, **1:6**
Pesticides, FIFRA violations, **3:83; 3:84**
Polychlorinated biphenyls (PCBs), **2:75**
RCRA violations, **5:145; 5:153; 5:154**
SARA violations, **6:186**
TSCA violations, **2:73 to 2:75**

Perfluoronated compounds
Hazardous wastes, regulation, **5:26.30**

Permits and licenses
Judicial review of EPA hazardous wastes permit actions, **5:159**
Landfills, permit requirements and procedure, **5:127**
Pesticides registration under FIFRA, experimental use permits, **3:45 to 3:45**
Treatment of hazardous waste. See Treatment, Storage, Or Disposal (TSD) Of Hazardous Wastes Facilities (this index)
Underground injection control. See Underground Injection Control (UIC) Well Permits (this index)
Wastewater effluents, permit conditions and limitations, **7:22**

Pesticides
Generally, **3:1 et seq.**
Applicators subject to FIFRA regulation
Generally, **3:7**
Commercial applicators, **3:8**
Pesticide worker protection, **3:9**
Private applicators, **3:10**
State regulation of applicators, **3:12**
Cancellation of pesticide registration
Generally, **3:56**
After five years, **3:58**
Conditionally registered pesticides, **3:59**
Final cancellation, regulatory criteria, **3:63**
For cause, **3:60 to 3:60**
Hearings
Judicial review, **3:66**
Nature and scope, **3:65**

Pesticides—Cont'd
Cancellation of pesticide registration—Cont'd
Hearings—Cont'd
Who may initiate, **3:64**
Indemnities, **3:71; 3:72**
Information reporting, **3:57**
Notice of intent to cancel, regulatory criteria, **3:62**
Special review (RPAR), **3:61**
Citations to FIFRA, table of session law to U.S. Code Cross-references for FIFRA, **App 3A**
Classification of pesticide, **3:31**
Dealers subject to FIFRA regulation
Generally, **3:7; 3:11**
State regulation of dealers, **3:12**
Disposal of pesticides under FIFRA
Containers and residues, **3:89**
Current requirements, overview, **3:87 to 3:87**
Pre-1988 provisions, **3:86**
Recalls, **3:88**
Releases during pesticide application, **3:90**
Employees, protection for, **3:9**
Enforcement
Generally, **3:81**
Administrative penalties, **3:83**
Citizen enforcement, **3:94**
Criminal penalties, **3:84**
Injunctive-type remedies and seizure, **3:82**
European Union regulation, **3:97**
Exemptions under FIFRA
Generally, **3:53; 3:80**
Administrative procedures, **3:55**
Environmental impact statement, **3:54**
Formulator's exemption, data compensation, **3:29**
Judicial review, **3:55**
Residue on agricultural commodities, **3:41 to 3:40**
Experimental use permits, registration
Generally, **3:45**
Data, **3:46**
Miscellaneous issues, **3:48**
Procedure, **3:47**
Exports, **3:74**
Food Quality Protection Act (August 1999), implementing, **App 3B**
Future directions
Citizen enforcement, **3:94**
European Union regulation, **3:97**
Toxic torts, **3:95**
Groundwater protection, **3:96**
Hearings
Cancellation of pesticide registration, **3:64 to 3:63**
Suspension of pesticide registration, **3:68; 3:69**

Pesticides—Cont'd
Historical perspective
Food, pesticide residues regulatory scheme, **8:17**
Registration under FIFRA, **3:13 to 3:14**
Imports, **3:73**
Indemnities, cancellation or suspension of pesticide registration, **3:71; 3:72**
Inert ingredients, **3:37**
Judicial review
Cancellation of pesticide registration, **3:66**
Exemptions under FIFRA registration, **3:55**
Registration and reregistration decisions, **3:26**
Residue tolerances on agricultural commodities, **3:43**
Suspension of pesticide registration, **3:69; 3:70**
Labeling, **3:32; 3:34**
Laboratories subject to FIFRA regulation, **3:6**
Local bans, **3:93**
Misbranding, prohibition, **3:77**
Misuse of pesticides, prohibition, **3:78**
Notice
Cancellation of pesticide registration, notice of intent, **3:62**
Packaging regulation, **3:36**
Producers subject to FIFRA regulation
Production establishments regulated, **3:5**
Types of producers regulated, **3:4**
Prohibitions under FIFRA
Generally, **3:75**
Misbranding, **3:77**
Miscellaneous, **3:79**
Misuse of pesticides, **3:78**
Registration-related, **3:76**
Protection for pesticide workers, **3:9**
Registration under FIFRA
Cancellation. Cancellation of pesticide registration, above
Change of pesticide registration
Generally, **3:56**
Indemnities, **3:71; 3:72**
Information reporting, **3:57**
Changes to label or formulation, **3:34**
Classification of pesticide, **3:31**
Conditional registration, **3:20**
Current registration scheme, generally, **3:16 to 3:34**
Data compensation
Approach of 1978, **3:15**
Formulator's exemption, **3:29**
Pre-1978, **3:14**
Requirements, applicability of, **3:28**
Today, generally, **3:27**
Disclosure of proprietary data, **3:38**
Effect of registration, **3:35**

Pesticides—Cont'd
Registration under FIFRA—Cont'd
Exemptions. Exemptions under FIFRA, above
Experimental use permits, **3:45 to 3:45**
Exports, **3:74**
Formulation changes, **3:34**
Formulator's exemption, data compensation, **3:29**
Generic registration, **3:19**
Historical development and overview, **3:13 to 3:14**
Imports, **3:73**
Indemnities, **3:71; 3:72**
Judicial review of registration and reregistration decisions, **3:26**
Labeling, **3:32; 3:34**
Nature of data required, **3:30**
Notice. Notice, above
Packaging regulation, **3:36**
Periodic review of registration, **3:25**
Procedural reforms, substantive requirements, **3:18**
Referral to other agencies, **3:33**
Reregistration under FIFRA, **3:21 to 3:22**
Residue tolerances on agricultural commodities, **3:39 to 3:41**
Review. Review concerning registration under FIFRA, below
RPAR process of special review, **3:17**
Special local needs registration, **3:49 to 3:49**
Special review (the RPAR process), **3:17**
Substantive requirements, **3:16 to 3:17**
Suspension of pesticide registration, **3:67 to 3:67**
Reporting, cancellation of pesticide registration, **3:57**
Reregistration under FIFRA
Data obligations (Phase 3), **3:23**
EPA review of data (Phase 4), **3:24**
Judicial review of registration and reregistration decisions, **3:26**
Listing active ingredients (Phase 1), **3:21**
Procedural obligations (Phase 2), **3:22**
Residues in food. See Food and Food Additives (this index)
Residue tolerances on agricultural commodities
Generally, **3:39**
Certificate of usefulness, **3:40**
Establishment of a tolerance or exemption, **3:41 to 3:40**
Judicial review, **3:43**
Procedural requirements, **3:42**
Substantive criteria, **3:41**
Temporary tolerances, **3:44**
Review concerning registration under FIFRA
Cancellation of pesticide registration, **3:66**

Pesticides—Cont'd
Review concerning registration under FIFRA —Cont'd
Exemptions under FIFRA registration, **3:55**
Judicial. Judicial review, above
Periodic review of registration, **3:25**
Residue tolerances on agricultural commodities, **3:43**
Special review (the RPAR process), **3:17**
Suspension of pesticide registration, **3:69; 3:70**
Special local needs registration
Generally, **3:49**
Disapproval criteria, **3:51**
Procedural requirements, **3:50**
Suspension of state registration authority, **3:52**
State law and regulation
Generally, **3:91**
Applicators and dealers, **3:12**
Federal preemption, **3:92**
Local bans and other regulatory options, **3:93**
Special local needs registration, suspension of state authority, **3:52**
Substantive requirements for registration under FIFRA
Generally, **3:16**
Procedural reforms, **3:18**
Special review (the RPAR process), **3:17**
Suspension of pesticide registration
Generally, **3:67**
Emergency suspension, **3:70**
Hearings, **3:68; 3:69**
Indemnities, **3:71; 3:72**
Judicial review, **3:69; 3:70**
Table of session law to U.S. Code Cross-references for FIFRA, **App 3A**
Torts, toxic torts, **3:95**
Toxic torts, **3:95**
What is regulated under FIFRA, **3:2**
Who is subject to regulation under FIFRA
Generally, **3:3**
Applicators, **3:7 to 3:9; 3:12**
Commercial applicators, **3:8; 3:9**
Dealers, **3:7; 3:11; 3:12**
Laboratories, **3:6**
Pesticide workers, protection of, **3:9**
Private applicators, **3:10**
Producers, **3:4; 3:5**
State regulation of applicators and dealers, **3:12**
Worker protection, **3:9**

Pharmaceuticals
Unregulated or minimally regulated wastes, **5:26**

Philosophy
Law of chemical regulation and hazardous waste, **1:3**

Phosphate (DBPP, TBPP, and TRIS-BP)
Generally, **2:68**

Placards
Generators of hazardous waste, **5:37**

Plant closings
See Closure (this index)

Plastics
Hazardous wastes, petitions, **5:28**

Polybrominated biphenyls (PBBs)
Generally, **2:68**

Polychlorinated biphenyls (PCBs)
Generally, **2:80; 5:22**
Cleaning up old deposits, **2:85**
Disposing of found PCBs, **2:85**
Food additives, **2:83**
Penalty policy of TSCA, **2:75**
Pesticides, **2:83**
Regulatory requirements, **2:82**
Transformers, **2:81**
Unregulated or minimally regulated wastes, **5:22**
Water pollutant effluents, **2:84**

Polymer
Premanufacture notice exemption, **App 2F**

Preemption and preemptive rights
Toxic chemicals, **2:90**

Premanufacture notice (PMN)
Generally, **2:15**
Data submission obligations placed on PMN submitter, **2:18**
EPA's requirements, **2:20**
Exemptions from PMN-related requirements, **2:21**
Polymer exemption, preamble to final rule (1984), **App 2F**
Requirements, premanufacture notice (PMN), **2:16; 2:20**
Section 8(c) question and answer summaries (November 1983), **App 2H**
Section 8(c) rule preamble (August 1983), **App 2G**
Section 8(e) question and answer summaries (July 1986, May 1987, and July 1989), **App 2I**
Section 5 PMN polymer exemption: preamble to final rule (November 1984), **App 2F**
Section 5 PMN Rule: Preamble to final rule, revisions and clarifications (May and September 1983, April 1986 and June 1989), **App 2E**
Significant new use rules (SNUR), **2:17**

Professional services contract
Expert and specialized legal representation, **App 6X**

Prospective purchasers
Agreement regarding contaminated property, **App 6R**

P-TBB and P-TBBA (non-PCB chemicals)
Generally, **2:69**

Public participation
CERCLA national contingency plan, **6:59**
Hazardous wastes law enforcement, **5:162**

Public sewers
Discharges of toxics to, **7:28**

Public water system
Definitions, **App 7I**

Punitive damages
CERCLA violations, **6:81**

Purchasers
Agreement regarding contaminated property, **App 6R**
CERCLA liability, innocent purchasers, **6:100**

Radioactive wastes
Unregulated or minimally regulated wastes, **5:12**

Railroads
Hazardous waste transport manifest, **5:55**

RCRA
See Resource Conservation And Recovery Act (RCRA) (this index)

Reactive waste storage
Generally, **5:89; 5:104**

Reclaimed materials
CERCLA actions against used oil reclaimers, **6:90**
Unregulated or minimally regulated hazardous wastes, **5:14; 5:21; 5:24**

Recordkeeping and reporting
Biennial generator report form (EPA Form), **5:39**
Community right-to-know provisions of SARA (hazard disclosure and emergency response), reporting requirements
Generally, **6:172**
Inventory reporting
Compilation and contents of report, **6:174**
Disclosure to public, **6:175**
Safety data sheets, **6:173**
Toxic chemical release reporting
Generally, **6:176**
What must be reported, **6:178**
Who must report, **6:177**
Generators of hazardous waste, **5:39**
Government-funded cleanup of hazardous waste sites and spills (Sections 104 and 105), reportable quantities, **6:54**

Recordkeeping and reporting—Cont'd
Marine Environment Protection Committee, Fifty-Sixth Session report, **App 6W**
Pesticide registration cancellation, **3:57**
Spills on navigable waters, duty to report, **6:13**
TSCA Section 8, data acquisition requirements
Generally, **2:27**
Amendments, **2:28**
Question and answer summaries, section 8(c), **App 2H, 2I**
Significant adverse reactions under section 8(c), **2:29**
Significant information under section 8(c), **2:30**
What sorts of information are significant, **2:30**
Wastewater effluents, reporting obligations, enforcement, and citizen suits, **7:21**

Recycled materials
CERCLA Section 107 actions, **6:91**
Unregulated or minimally regulated wastes, **5:5; 5:14; 5:21**

Registration of pesticides
See Pesticides (this index)

Remedial actions
See Comprehensive Environmental Response, Compensation And Liability Act (CERCLA) (this index)

Reporting
See Recordkeeping and Reporting (this index)

Research and development activities
TSD of hazardous wastes facilities, **5:129**

Residual risk standards, air emissions
Generally, **7:13**

Residues
Hazardous wastes residues in empty containers, **3:89; 5:17; 5:23**
Pesticide residues on food. See Food And Food Additives (this index)

Resource Conservation and Recovery Act (RCRA)
Bankruptcy, effect on Imminent hazard actions under RCRA, **6:33**
EPA "Guidance on use of Section 7003," **App 6S**
Hazardous wastes, law and regulation
Enforcement and penalty policies, **5:145; 5:153; 5:154**
Table of session law to U.S. Code cross-references, **App 5A**
TSD facilities, RCRA-based requirements, **5:114**

Resource Conservation and Recovery Act (RCRA)—Cont'd
Imminent hazard actions under RCRA
Background and overview of Section 7003, **6:21**
Bankrupt defendants, **6:33**
Guidance on use of Section 7003, **App 6S**
Jurisdiction of Section 2003
Generators and transporters, **6:24**
Governmental entities, **6:26**
Inactive and abandoned sites, **6:23**
Owners and operators of TSD facilities, **6:25**
Waste types, **6:22**
Procedural issues
Indispensable or necessary parties, **6:27**
Intervention by private plaintiffs and others, **6:28**
Jury trial, **6:29**
Proof, **6:30**
Remedies
Generally, **6:31**
Bankrupt defendants, **6:33**
Joint and several liability, **6:32**
Private party contribution actions, **6:34**

Revocation of TSD facility permit
Generally, **5:117; 5:118**

Risk assessment and management
Generally, **1:4**
Laws and regulations, violation of, **1:6**
Penalties, **1:6**
Uncertainty, dealing with, **1:5**

Rivers and harbors appropriations act of 1899
Generally, **6:157**

Rodenticide, fungicide, and insecticide
See Pesticides (this index)

Salt dome prohibition
Permanent permitted TSD standard, **5:90**

SARA
See Superfund Amendments and Reauthorization Act of 1986 (SARA) (this index)

Secondary material
Generator-controlled reclamation of hazardous secondary material, **5:14**

Secured creditors
CERCLA liability, **6:101**

Security
Permanent permitted TSD facilities, **5:86**

Seismic standards
Permanent permitted TSD facilities, **5:90**

Seizure
Pesticides regulation violation, **3:82**
TSCA enforcement method, **2:72**

Service stations
CERCLA Section 107 actions, gasoline service stations, **6:90**

Settlement and compromise
Generally, **6:142**
Administrative settlements, **6:147**
Buyouts, de micromis, **6:149**
Buyouts, de minimus, **6:148**
Contribution, **6:154**
Covenants not to sue, **6:146**
Dominant issues, **6:142**
EPA settlement policy excerpts, **App 6C**
Guidance on financial assurance in Superfund settlement agreements and unilateral administrative orders, Office of Site Remediation (April 2015), **App 6Z**
Joint defense and dispute resolution agreement for superfund site, **App 6E**
Liability, **6:153**
Mixed funding, **6:150**
Modification, **6:152**
Municipal settlement policy, EPA interim, **App 6J**
OSHA standards challenges, **9:37**
Pre-1986 litigation, **6:142; 6:143**
Procedures, settlement, **6:145**
State input regarding remedial actions, **6:49**
Vessels liability, **6:151**

Sewage and industrial discharges to water bodies
Unregulated or minimally regulated wastes, **5:10**

Sewers
Discharges of toxics to public sewers, **7:28**

Shareholders
CERCLA actions, **6:108; 6:115**

Ships
See Vessels (this index)

Sludges
Unregulated or minimally regulated wastes, **5:16**

Solid waste, municipal
Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), actions against responsible parties under Section 107, **6:93**

SPCC plans
See Spill Prevention Control And Countermeasure (SPCC) Plans (this index)

Spill prevention control and countermeasure (SPCC) plans
Affirmative obligation, **6:14**

Spills on navigable waters
Generally, **6:2**
Administration
Generally, **6:3**
Cost documentation, **6:5**
Policy and coordination, **6:4**
Response activities, **6:5**
What is prohibited, **6:6**
Affirmative obligations
Cleanup of spilled oil, **6:15 to 6:17**
Duty to report spills, **6:13**
Government-funded removals, **6:16**
Natural resource damages, **6:17**
Private discharger obligations, **6:15**
Reimbursement issues and defenses, **6:16**
Spill Prevention Control and Countermeasure (SPCC) plans, **6:14**
Caused solely by third party, **6:19**
Cost documentation, **6:5**
Duty to report spills, **6:13**
Exclusive federal remedy, **6:11**
Executive Order 12777 on implementation of statutes, **App 6F**
Facilities onshore and offshore as regulated entities, **6:9; App 6O, 6P**
Government-funded removals, **6:16**
Natural resource damages, **6:17**
Owner or operator as regulated entities, **6:10**
Policy and coordination, **6:4**
Private discharger obligations, **6:15**
Procedures, **6:20**
Reimbursement issues and defenses, **6:16**
Remedies, federal and state, **6:11; 6:12**
Response activities, **6:5**
Spill Prevention Control and Countermeasure (SPCC) plans, **6:14**
State law remedies, **6:12**
Statutes, Executive Order 12777 implementation of, **App 6F**
Statutory exclusion, **6:18 to 6:20**
Third party as sole cause, **6:19**
Vessels as regulated entities, **6:8**
What is prohibited, **6:6**
Who are regulated entities
Generally, **6:7**
Facilities onshore and offshore, **6:9; App 6O, 6P**
Owner or operator, **6:10**
Vessels, **6:8**

Statute of limitations
CERCLA disputes, **6:129; 6:132**

Storage of hazardous wastes facilities
See Treatment, Storage, Or Disposal (TSD) Of Hazardous Wastes Facilities (this index)

Strict liability
CERCLA liability, **6:110**

Study, investigatory/feasibility
Generally, **App 6B, 6L**

Study of hazardous wastes
Unregulated or minimally regulated wastes, **5:15**

Study of new and existing substances and mixtures
Chemical fate testing guidelines, **2:10**
Data compensation, **2:12**
Environmental effects testing guidelines, **2:9**
EPA's hazard ranking system, **App 6G, 6G-1**
Exemptions and data compensation, **2:12**
Health effects testing guidelines, **2:11**
Laboratory practices, **2:8**
Section 5 PMN polymer exemption: preamble to final rule (November 1984), **App 2F**
Test rule requirements, **2:8 to 2:12**

Successor corporations
CERCLA Section 107 actions, **6:107**

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Generally, **6:164**
Agreement for superfund site, joint defense and dispute resolution, **App 6E**
Citizen suits, **6:182; 6:187**
Community right-to-know provisions. See Community Right-To-Know Provisions Of The Superfund Amendments And Reauthorization Act Of 1986 (SARA) (this index)
Duties of governmental representatives
Emergency response plans, **6:171**
Formation and operation of local emergency planning committees, **6:170**
Emergency planning requirements (Subtitle A)
Duties of governmental representatives, **6:170 to 6:171**
Obligations of facility owners and operators, below
Enforcement provisions
Administrative orders, **6:186**
Citizen suits, **6:182; 6:187**
Civil and criminal penalties, **6:186**
State and local entities, suits by, **6:187**
State superfund provisions, summary of selected, **App 6H**
Trade secret protection, **6:185**
EPA interim municipal settlement policy, **App 6J**
Extremely hazardous substances, obligations of facility owners and operators, **6:167**

Superfund Amendments and Reauthorization Act of 1986 (SARA)—Cont'd
Forms, joint defense and dispute resolution agreement for superfund site, **App 6E**
Hazard disclosure and emergency response. Community right-to-know provisions, above
Joint defense and dispute resolution agreement for superfund site, **App 6E**
Municipal settlement policy, EPA interim, **App 6J**
Obligations of facility owners and operators
Contaminated aquifers owners and operators, **App 6Q**
Emergency notification in event of release
Generally, **6:166**
Contents of notice, **6:169**
Extremely hazardous substances, **6:167**
Other substances, **6:168**
Extremely hazardous substances, **6:167**
Initial notification, **6:165; 6:169**
Release of discretionary information, EPA revised policy, **App 6M**
Reporting requirements, routine or periodic (Subtitle B)
Generally, **6:172**
Inventory reporting
Compilation and contents of report, **6:174**
Disclosure to public, **6:175**
Release reporting, toxic chemical release reporting
Generally, **6:176**
What must be reported, **6:178**
Who must report, **6:177**
Safety data sheets, **6:173**
Settlement under Section 122
Administrative settlements, **6:147**
Agreement, joint defense and dispute resolution agreement for superfund site, **App 6E**
Buyouts, de micromis, **6:149**
Buyouts, de minimus, **6:148**
Contribution, **6:154**
Covenants not to sue, **6:146**
EPA interim municipal settlement policy, **App 6J**
Joint defense and dispute resolution agreement for superfund site, **App 6E**
Liability, **6:153**
Mixed funding, **6:150**
Modification, **6:152**
Pre-1986 litigation, **6:142; 6:143**
Procedures, settlement, **6:145**
Vessels, **6:151**
Summary of selected state superfund provisions, **App 6H**

Superfund Amendments and Reauthorization Act of 1986 (SARA)—Cont'd
Summary of selected state underground storage tank provisions, **App 6I**
Trade secret protection
Generally, **6:179**
Citizen petition for disclosure, **6:182**
Criteria, **6:181**
Disclosure to governor, **6:184**
Disclosure to health professionals, treating doctors, and nurses, **6:183**
Enforcement and confidentiality protection, **6:185**
Procedure for claiming, **6:180**

Suspension of pesticide registration
See Pesticides (this index)

Suspension of TSD facility permit
Generally, **5:118**

Table of cross-references (session law to U.S. Code cite)
See Lists and Tables (this index)

TBPP, DBPP, and TRIS-BP phosphate
Generally, **2:68**

Technological feasibility
OSHA standards for toxic materials and harmful physical agents, **9:19**

Third parties
Spills on navigable waters, cleanup when third party is sole cause, **6:19**

Torts
Common law tort developments, **6:163**
Marine tort law, **6:158**

Toxic Substances Control Act (TSCA)
Generally, **2:1 et seq.**
General reference sources
Glossary of TSCA-related terms and acronyms, **App 2B**
Guidance for petitioning the EPA under Section 21 of TSCA, **App 2J**
Index of toxic substances (1991), **App 2C**
Index of TSCA regulations (September 2003), **App 2D**
Table of TSCA numbers and U.S.Code cross-references, **App 2A**
Administrative penalties, enforcement method
Generally, **2:73**
Mechanics of TSCA penalty policy, **2:74**
Special considerations for PCBs, **2:75**
Administrative proceeding
Generally, **2:91**
Asserting confidentiality claims, **2:39**

Toxic Substances Control Act (TSCA)—Cont'd
Administrative proceeding—Cont'd
Disclosing confidential information relevant to, **2:44**
Penalties. Administrative penalties, above
Amendments
Prioritization, risk evaluation and regulations, **2:23**
Section 4(f), **2:14**
Sections 8(a) and 8(b), **2:28**
Sections 5 (e) and 5(f), **2:19**
Appellate materials, **2:51; 2:92**
Asbestos
Asbestos Hazard Emergency Response Act, EPA's regulations, **2:60**
Clean Air Act requirements, **2:55**
Disposal and miscellaneous considerations, **2:65; 2:66**
Emergency Response Act, Asbestos Hazard (AHERA)
Accredited contractors prerequisite, **2:62**
Background, **2:58**
Employee protection, **2:64**
Inspection and reinspection, **2:61**
Management plans, **2:62**
Response actions, **2:63**
Statutory requirements, **2:59**
Worker and occupant protection, **2:64**
Litigation, asbestos-related, **2:67**
OSHA requirements, **2:56**
Regulatory overview, **2:54**
TSCA requirements, **2:57**
Asserting confidentiality claims, **2:39; 2:48**
Basic regulatory scheme
Generally, **2:4**
Amendments, above
Chlorinated terphenyl (non-PCB chemical), **2:69**
Section 4, below
Section 5, below
Section 7, imminent hazards under, **2:25**
Section 8, below
Testing requirements by rule, order or consent agreement, below
Biotechnology, recombinant DNA products, **2:95**
Chemical Facility Anti-Terrorism Standards (CFATS), **2:96**
Chlorinated naphthalenes (non-PCB chemical), **2:69**
Citizen enforcement methods, **2:76 to 2:77**
Confidentiality. Disclosure of confidential information, below
Consent to testing new and existing substances and mixtures under section 4, **2:7**

Toxic Substances Control Act (TSCA)—Cont'd
Contractors
Accreditation, prerequisite for asbestos hazard emergency response, **2:62**
Disclosing confidential information to, **2:45**
Data acquisition requirements under section 8
Generally, **2:26**
Recordkeeping and reporting. Recordkeeping and reportings, below, **2:27 to 2:30**
Submission of health and safety studies, **2:36**
Data compensation under section 4, study of new and existing substances and mixtures, **2:12**
Data submission obligations placed on PMN submitter introducing new chemicals into commerce under section 5, **2:18**
Definitions, glossary of TSCA-related terms and acronyms, **App 2B**
Disclosure of confidential information
Generally, **2:37; 2:38; 2:41**
Appeals, **2:51**
Asserting confidentiality claims, **2:39**
Assertion of confidentiality claims, **2:48**
Congress, disclosure to, **2:42**
Contractors, disclosure to, **2:45**
Duration of protection, **2:50**
EPA's procedural and substantive obligations, **2:51**
Exceptions to protection, **2:49**
Frank R. Lautenberg Chemical Safety for the 21st Century Act, following, **2:47 to 2:51**
Necessity of unreasonable risk of injury, **2:46**
Other federal agencies, disclosure to, **2:43**
Pre to 2016, **2:37 to 2:46**
Protected and unprotected information, generally, **2:38**
Substantial risks notice to EPA under TSCA Section 8(e), **2:34**
Substantiation of claims, **2:48; 2:51**
Substantive confidentiality standards, **2:40**
TSCA administrative proceeding, information relevant to, **2:44**
TSCA confidential business information reform (June 1994), **App 2K**
Disposal of toxic substances
Asbestos, **2:65; 2:66**
DNA products (biotechnology), recombinant, **2:95**
Employee protection
Asbestos emergency response, **2:64**
Layoffs and plant closings, **2:79**
Whistle-blower protection, **2:78; 5:163**
Enforcement
Administrative penalties
Generally, **2:73**
Inflation adjustment rule, **2:74**
Mechanics of TSCA penalty policy, **2:74**

Toxic Substances Control Act (TSCA)—Cont'd
Enforcement—Cont'd
Administrative penalties—Cont'd
Special considerations for PCBs, **2:75**
Citizen enforcement
Petitions by citizen, **2:77**
Suits by citizen, **2:76**
Government, enforcement by
Administrative penalties (above)
Judicial enforcement, **2:71**
Seizure, **2:72**
Inspection and forcible entry, **2:70**
Environmental Protection Agency (EPA)
Accidents, substantial risks notice to EPA under TSCA Section 8(e), **2:35**
Asbestos Hazard Emergency Response Act, EPA's regulations, **2:60**
Data acquisition requirements under TSCA Section 8, notice to EPA of substantial risks, **2:31 to 2:35**
Disclosure of confidential information, substantial risks notice to EPA under TSCA Section 8(e), **2:34**
Guidance for petitioning the EPA under Section 21 of TSCA, **App 2J**
Introducing new chemicals into commerce (premanufacture notice ''PMN'') under TSCA section 5, EPA's PMN requirements, **2:20**
Leaks, substantial risks notice to EPA under TSCA section 8(e), **2:35**
Notice to EPA under section 8, substantial risks, **2:31 to 2:35**
Premanufacture notice (PMN), introducing new chemicals into commerce under TSCA Section 5, EPA's PMN requirements, **2:20**
Recordkeeping and reporting of substantial risks. Substantial risks notice to EPA under section 8(e), below
Spills, substantial risks notice to EPA under section 8(e), **2:35**
Substantial risks notice to EPA under section 8(e), below
Exemptions
Expedited actions, **2:24**
FFDCA substances exemption, **2:3**
FIFRA substances exemption, **2:2**
PMN-related requirements, exemptions from, **2:21; App 2F**
Polymer, exemption from PMN, **App 2F**
Protection from disclosure, **2:49**
Study of new and existing substances and mixtures under section 4, **2:12**
Exemptions and expedited actions, **2:24**
Exports, **2:53**

Toxic Substances Control Act (TSCA)—Cont'd
Final action plan: TCSA confidential business information reform (June 1994), **App 2K**
Foreign regulation of toxic substances, **2:93**
Formaldehyde standards, composite wood products, **2:87; App 2N**
Frank R. Lautenberg Chemical Safety for the 21st Century Act, **2:47 to 2:51; App 2M; App 2R**
Hexachloronorbornadiene (non-PCB chemical), **2:69**
Imminent hazards under section 7, **2:25**
Imports, **2:52**
Inspections
Asbestos Hazard Emergency Response Act (AHERA), inspection and reinspection, **2:61**
Enforcement of TSCA, inspection and forcible entry, **2:70**
Introducing new chemicals into commerce under section 5. Premanufacture notice (PMN), below
Lead-based paint, **2:86**
MBOCA (non-PCB chemical), **2:69**
Mercury (this index)
Non-PCB chemicals, requirements for other, **2:68; 2:69**
Notice
Introducing new chemicals into commerce under section 5. Premanufacture notice (PMN), below
Premanufacture. Premanufacture notice (PMN), below
Occupant protection, asbestos emergency response, **2:64**
PCBs. Polychlorinated Biphenyls (PCBs), below
Penalties, enforcement means
Generally, **2:73**
Civil monetary penalty inflation adjustment rule, **2:74**
Mechanics of TSCA penalty policy, **2:74**
Special considerations for PCBs, **2:75**
Per- and Polyfluoroalkyl Substances (PFAS), **2:88**
Policy, mechanics of TSCA penalty policy, **2:74**
Polybrominated Biphenyls (PBBs), **2:68**
Polychlorinated Biphenyls (PCBs)
Background, **2:80**
Cleaning up old deposits, **2:85**
Disposing of found PCBs, **2:85**
Food additives, **2:83**
Pesticides, **2:83**
Regulatory requirements, **2:82**
Transformers, **2:81**
Water pollutant effluents, **2:84**
Preemption of state law, **2:90**

Toxic Substances Control Act (TSCA)—Cont'd
Premanufacture notice (PMN), introducing new chemicals into commerce under section 5
Generally, **2:15**
Data submission obligations placed on PMN submitter, **2:18**
Exemptions from PMN-related requirements, **2:21**
Requirements, **2:16; 2:20**
Significant New Use Rules (SNUR), **2:17**
Prioritization
Risk evaluation and regulation of chemical substances and mixtures, **2:23**
Testing requirements by rule, order or consent agreement, **2:6**
P-TBB and P-TBBA (non-PCB chemicals), **2:69**
Recombinant DNA products (biotechnology), **2:95**
Recordkeeping and reporting, data acquisition requirements under section 8
Generally, **2:27**
Confidentiality. Disclosure of confidential information, above
Disclosure of confidential information. Disclosure of confidential information, above
Question and answer summaries, section 8(c), **App 2H, 2I**
Significant adverse reactions under section 8(c), requirements, **2:29**
Significant information under section 8(c), **2:30**
TSCA sections 8, 12 and 13, enforcement response policy for reporting and recordkeeping, **App 2L**
What sorts of information are significant, **2:30**
Section 4, study of new and existing substances and mixtures
Amendment of § 4(f), **2:14**
Chemical fate testing guidelines, **2:10**
Environmental effects testing guidelines, **2:9**
EPA's hazard ranking system, **App 6G, 6G-1**
Exemptions and data compensation, **2:12**
Health effects testing guidelines, **2:11**
Laboratory practices, **2:8**
Test rule requirements, **2:8 to 2:12**
Section 5, introducing new chemicals into commerce (premanufacture notice ''PMN'')
Generally, **2:15**
Amendments of §§ 5(e) and 5(f), **2:19**
Data submission obligations placed on PMN submitter, **2:18**
EPA's requirements, **2:20**
Exemptions from PMN-related requirements, **2:21**
Polymer exemption: preamble to final rule (November 1984), **App 2F**

Toxic Substances Control Act (TSCA)—Cont'd
Section 5, introducing new chemicals into commerce (premanufacture notice ''PMN'') —Cont'd
Preamble to final PMN rule, revisions, and clarifications (1983, 1986, 1989), **App 2E**
Requirements, premanufacture notice (PMN), **2:16; 2:20**
Significant new use rules (SNUR), **2:17**
Section 7, imminent hazards under, **2:25**
Section 8, data acquisition requirements
Generally, **2:26**
Question and answer summaries (1983), section 8(c), **App 2H, 2I**
Recordkeeping and reporting, **2:27 to 2:30**
Submission of health and safety studies, **2:36**
Significant adverse reactions under section 8(c) requirements, recordkeeping and reporting, **2:29**
Significant information, recordkeeping and reporting requirements under section 8, **2:30**
Significant New Use Rules (SNUR), **2:17**
State toxic substances control programs, **2:89**
Substances regulated under Act
Generally, **2:1**
FFDCA exemption, **2:3**
FIFRA exemption, **2:2**
Substantial risks notice to EPA under section 8(e)
Generally, **2:31**
Confidentiality, **2:34**
Spills, leaks, and accidents, **2:35**
What must be reported, **2:33**
Who must report, **2:32**
Substantive confidentiality standards, **2:40**
Testing requirements by rule, order or consent agreeement
Developing testing rules, **2:5**
Exemptions and data compensation, **2:12**
Testing consent requirements, **2:7**
Testing requirements by rule, order or consent agreement
Priorities, **2:6**
Special rules for extremely dangerous chemical substances and mixtures, **2:13**
Time
Protection from disclosure, duration, **2:50**
Tris (2,3-Dibromo-Propyl) Phosphate (DBPP, TBPP, and TRIS-BP), **2:68**
Unreasonable risk of injury
Disclosure of confidential information, necessity of, **2:46**
Regulatory powers and options when present, **2:22**
Unreasonable risk present, powers and options, **2:22**

Trade secrets
Disclosure. See Disclosure Of Information About Chemicals And Hazards (this index)

Transfers
Real property transfers, state law, **6:161**

Transportation
Tier 2 motor vehicle emissions standards and gasoline sulfur control requirements, **App 7K**
Whitman v. American Trucking Assoc., **App 7L**

Transporters of hazardous wastes
See Hazardous Wastes (this index)

Treatment, storage, or disposal (TSD) of hazardous wastes facilities
Generally, **5:60; 5:101**
Boilers and industrial furnaces, **5:106**
Categorical non-waste fuels, **5:109**
Chemfuel, **5:108**
Closure of Interim status facility
Generally, **5:73; 5:75**
Financial requirements, closure and postclosure, **5:75**
Postclosure, **5:74; 5:75**
Closure of permanent permitted status facility
Financial responsibility, closure and postclosure, **5:98**
Substantive requirements, closure and postclosure, **5:100**
Denials of permit, **5:130**
Duration of permit, **5:120**
Effect of permit, **5:124**
Emergencies, preparedness for and prevention of, **5:91**
Emergency permits, **5:125**
Expiration of permit, **5:123**
Financial obligations
Interim status TSD facilities, **5:75; 5:78**
Permanent permitted TSD facilities, below
Floodplain location standards, **5:90**
Groundwater protection and corrective action
Operational requirements, **5:93**
Preconditions, permitting, **5:94**
HSWA land ban, EPA regulatory implementation of, **5:103**
Identification number, **5:83**
Ignitable and reactive waste stored in containers or tanks, **5:89; 5:104**
Impoundments, surface, **5:127**
Incinerators, **5:105**
Inspection, **5:87**
Interim status and its standards
Closure, **5:73; 5:75**
Financial requirements
Closure and postclosure, **5:75**

Treatment, storage, or disposal (TSD) of hazardous wastes facilities—Cont'd
Interim status and its standards—Cont'd
Financial requirements—Cont'd
Miscellaneous considerations, **5:78**
General requirements, **5:72**
Liability insurance requirements, **5:76**
Postclosure, **5:74; 5:75**
Requirements, **5:69**
Significance, **5:67**
Sources of standards
Corrective action requirements, **5:71**
Effect of 1984 amendments, **5:71**
Part 265, **5:70**
Termination due to noncompliance with 1985 deadline requirements, **5:80**
Transition to permanent permitted status, **5:81**
Who qualifies, **5:68**
Land ban rule
Implementation of HSWA land ban, EPA regulatory implementation of, **5:103**
Land disposal, **5:102; 5:103**
Landfills
EPA interim municipal settlement policy, **App 6J**
Excluded wastes, standards, **5:79**
Permit requirements and procedure, **5:127**
Remedial investigations/feasibility studies, summary of sites, **App 6L**
Liability insurance requirements
Interim status facilities, **5:76**
Permanent permitted facilities, **5:96**
Lists, technical appendixes to 40 CFR Part 264, **App 5B**
Manifest system requirements, **5:92**
Miscellaneous section 3004 requirements, **5:107**
Modification of permit, **5:117; 5:121**
Notice requirements, **5:84**
Notification requirements, **5:65; 5:84**
Permanent permitted status and its standards
Applicability of part 264 standards, **5:82**
Categorical non-waste fuels, **5:109**
Closure and postclosure
Financial responsibility, **5:98**
Substantive requirements, **5:100**
Financial responsibility
Generally, **5:95**
Absent owner/operators, **5:99**
Bankrupt owner/operators, **5:99**
Closure and postclosure, **5:98**
Liability insurance requirements, **5:96**
State and federal TSD facilities, **5:97**
Groundwater protection and corrective action
Operational requirements, **5:93**
Preconditions, permitting, **5:94**

Treatment, storage, or disposal (TSD) of hazardous wastes facilities—Cont'd
Permanent permitted status and its standards —Cont'd
HSWA land ban, EPA regulatory implementation of, **5:103**
Ignitable, reactive, or incompatible waste, **5:89; 5:104**
Siting of hazardous waste facility, **5:111**
Standards applicable to all TSDs
Emergencies, preparedness for and prevention of, **5:91**
Floodplain location standards, **5:90**
Identification number, **5:83**
Ignitable, reactive, or incompatible waste, **5:89**
Inspection, **5:87**
Manifest system requirements, **5:92**
Notice requirements, **5:84**
Personnel training, **5:88**
Salt dome prohibition, **5:90**
Security, **5:86**
Seismic location standards, **5:90**
Waste analysis, **5:85**
Standards of performance for specific TSD facility
Generally, **5:101**
Boilers and industrial furnaces, **5:106**
Categorical non-waste fuels, **5:109**
Chemfuel, **5:108**
HSWA land ban, EPA regulatory implementation of, **5:103**
Ignitable and reactive waste stored in containers or tanks, **5:89; 5:104**
Incinerators, **5:105**
Land disposal, **5:102; 5:103**
Miscellaneous section 3004 requirements, **5:107**
Underground storage tanks, **5:110**
Transition from interim status, **5:81**
Permit, requirements and procedure
Generally, **5:112**
Application requirements, **5:114 to 5:112**
Boilers and industrial furnaces, **5:128**
Contents of permit, **5:119**
Deadlines, **5:130**
Denials, **5:130**
Duration of permit, **5:120**
Effect of permit, **5:124**
Emergency permits, **5:125**
Expiration of permit, **5:123**
Information requirements, **5:116**
Interim status termination, **5:130**
Issuance, modification, and revocation followed by reissuance of permit (procedures), **5:117**

Treatment, storage, or disposal (TSD) of hazardous wastes facilities—Cont'd
Permit, requirements and procedure—Cont'd
Landfills, **5:127**
Modification of permit, **5:117; 5:121**
Other laws, requirements of, **5:115**
RCRA-based requirements, **5:114**
Reissuance of permit, **5:117; 5:123**
Research and development activities, **5:129**
Revocation followed by reissuance of permit (procedures), **5:117**
Rule, permits by, **5:125**
Surface impoundments, **5:127**
Suspension and revocation (procedures), **5:118**
Termination of permit, **5:122; 5:130**
Underground Injection Control (UIC) well permits, **5:126**
Who must have permit, **5:113**
Personnel training, **5:88**
Place of hazardous waste facility, **5:111**
Reissuance of permit, **5:117; 5:123**
Research and development activities, **5:129**
Revocation of permit, **5:117; 5:118**
Salt dome prohibition, **5:90**
Security, **5:86**
Seismic location standards, **5:90**
Siting of hazardous waste facility, **5:111**
Standards
Generally, **5:66**
Interim status, above
Landfills, wastes excluded from, **5:79**
Permanent permitted status, above
Surface impoundments, **5:127**
Suspension of permit, **5:118**
Termination of permit, **5:122; 5:130**
Transition from interim status, **5:81**
Transporters as TSD facility, **5:51**
Underground storage tanks, **5:110**
Waste analysis, **5:85**
Who is regulated
Generally, **5:61**
Disposal facilities, **5:64**
Storage facilities, **5:62**
Treatment facilities, **5:63**

Tris (2,3-dibromo-propyl) phosphate (dbpp, tbpp, and tris-bp)
Generally, **2:68**

Tsca
See Toxic Substances Control Act (TSCA) (this index)

Tsd facilities
See Treatment, Storage, Or Disposal (TSD) Of Hazardous Wastes Facilities (this index)

29 cfr part 1910
Occupational Safety and Health Standards, **App 9B-1**

Underground injection control (UIC) well permits
Generally, **5:126; 7:45**
Enforcement, **7:47**
Infrastructure Investment and Jobs Act, **7:48**
Substantive endangerment standard, **7:46**

Underground storage tanks
Generally, **5:167; 5:168**
Applicability of federal requirements, **5:169**
Citizen suits, **5:175**
Closure, federal requirements, **5:172**
Community right-to-know provisions, summary of selected state underground storage tank provisions, **App 6I**
Corrective action requirements, **5:171**
Enforcement, **5:174**
EPA's UST regulations, **5:168 to 5:172**
Federal requirements, **5:169 to 5:171**
Financial responsibility, **5:173**
Permanent permitted status and its standards of performance, **5:110**
State programs, **5:176**
Substantive requirements for active USTs, **5:170**
Summary of selected state underground storage tank provisions, **App 6I**
TSD facility, **5:110**
Well permits, Underground Injection Control (UIC), **5:126**

United States v. Bestfoods, et al.
Case law, **App 6T**

Unreasonable risk of injury under tsca
Disclosure of confidential information, necessity of, **2:46**
Regulatory powers and options when present, **2:22**

Variance, wastewater effluents
Fundamentally different factors variance, **7:27**
Small system variance regulations, **App 7J**
Standards for effluent limitations based on water quality, **7:26**

Vessels
CERCLA litigation settlement, **6:151**
International conventions impacting air emissions from ships, **7:17**
Liability for spills on navigable waters, **6:8**

Waste minimization
EPA guidance to hazardous waste generators, **App 5G**

Wastewater effluents
Generally, **7:18; 7:19**
Antarctic Conservation Act, **7:30**
Citizen suits, **7:21**
Clean Water Act, generally, **7:18**
Clean Water Act of 1977, requirements
Citizen suits, **7:21**
Enforcement, **7:21**
Reporting obligations, **7:21**
Substantive standards, **7:20**
Toxic permit conditions and limitations, **7:22**
Enforcement, **7:21**
Imminent and substantial endangerments, **7:29**
Impaired waters lists and controls, **7:24**
Limitations
CFR parts and sections containing toxic effluent limitations, **App 7B**
Permit conditions and limitations, **7:22**
Statutory variance standards for effluent limitations based on water quality, **7:26**
Permit conditions and limitations, **7:22**
Public sewers, toxics discharged to, **7:28**
Reporting obligations, **7:21**
Revised water quality standards, Water Quality Act of 1987, **7:25**
Standards
Clean Water Act of 1977, substantive standards, **7:20**
Statutory variance standards for effluent limitations based on water quality, **7:26**
Variance, below
Water Quality Act of 1987, revised water quality standards, **7:25**
Statutory law, cross-references between session law and U.S. Code sections, **App 7A**
Tables
CFR parts and sections containing toxic effluent limitations, **App 7B**
Cross-references between session law and U.S. Code sections, **App 7A**
Variance
Fundamentally different factors variance, **7:27**
Small system variance regulations, **App 7J**
Standards for effluent limitations based on water quality, **7:26**
Water Act of 1987, requirements
Generally, **7:23**
Impaired waters lists and controls, **7:24**
Revised water quality standards, **7:25**
Statutory fundamentally different factors variance, **7:27**
Statutory variance standards for effluent limitations based on water quality, **7:26**

Water
Clean Water Act And The Oil Pollution Act Of 1990, Section 311. See Spills On Navigable Waters (this index)
Definition of ''Public Water System,'' **App 7I**
Drinking water. Groundwater and drinking water, below
Effluents. See Wastewater Effluents (this index)
Groundwater and drinking water
Generally, **7:31**
Enforcement, **7:47**
List of chemicals EPA must evaluate for safe drinking water, **App 7C**
Original regulatory scheme and EPA actions before 1986, **7:32**
Post to 1986 amendments changes in direction, **7:33 to 7:36**
Post to 1996 amendments changes in direction, **7:37 to 7:41**
Protecting underground water from contamination sources other than injection wells, **7:42 to 7:44; App 7C**
Regulation of water supply, **7:32 to 7:41**
Sole source demonstration, **7:44**
Terminology and criteria, **7:33**
Underground Injection Control (UIC), **5:126; 7:45 to 7:48**
Wellhead protection, **7:43**
Imminent and substantial endangerments, **7:29; 7:46**
Impaired waters lists and controls, **7:24**
Infrastructure Investment and Jobs Act, **7:43**
List of chemicals EPA must evaluate for safe drinking water, **App 7C**
Marine Environment Protection Committee, Fifty-Sixth Session report, **App 6W**
Public sewers, discharges of toxics to, **7:28**
Public Water System, defined, **App 7I**
Rivers And Harbors Appropriations Act of 1899, generally, **6:157**
Sewers, discharges of toxics to public sewers, **7:28**
Spills. See Spills On Navigable Waters (this index)
Substantial endangerments, **7:29; 7:46**
Underground Injection Control (UIC)
Generally, **5:126; 7:45**
Enforcement, **7:47**
Substantive endangerment standard, **7:46**
Underground water, protecting from contamination sources other than injection wells
Generally, **7:42**

Water—Cont'd
Underground water, protecting from contamination sources other than injection wells —Cont'd
List of chemicals EPA must evaluate for safe drinking water, **App 7C**
Sole source demonstration, **7:44**
Wellhead protection, **7:43**
Variance regarding wastewater effluents
Fundamentally different factors variance, **7:27**
Small system variance regulations, **App 7J**
Standards for effluent limitations based on water quality, **7:26**
Wastewater effluents. See Wastewater Effluents (this index)
Water Act of 1987, requirements
Generally, **7:23**
Impaired waters lists and controls, **7:24**
Revised water quality standards, **7:25**
Statutory fundamentally different factors variance, **7:27**
Statutory variance standards for effluent limitations based on water quality, **7:26**
Wellhead protection from contamination, **7:43**
Wells. See Wells (this index)
Whitman v. American Trucking Assoc., **App 7L**

Wells
Protecting underground water from contamination sources other than injection wells
Generally, **7:42**
List of chemicals EPA must evaluate for safe drinking water, **App 7C**
Sole source demonstration, **7:44**
Wellhead protection, **7:43**
Underground Injection Control (UIC)
Generally, **5:126; 7:45**
Enforcement, **7:47**
Substantive endangerment standard, **7:46**

Whistle-blower protection
Generally, **2:78; 5:163**

Whitman v. American Trucking Assoc.
Case law, **App 7L**

Wood products
Formaldehyde, composite wood products, **2:87; App 2N**

Worker exposure to hazards
See Employers And Employees (this index)

Wrongful discharge
Generally, **9:29**