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PEP - ENVIRONMENTAL STATEMENT MEMORANDUM NO. ESM04-6

To: Heads of Bureaus and Offices

From: Willie R. Taylor, Director
Office of Environmental Policy and Compliance

Subject: Federal and Federal-State Agencies with Jurisdiction by Law or Special Expertise on Environmental Quality Issues

Attached is Appendix II to the CEQ Regulations for implementing the procedural provisions of NEPA (40 CFR 1500 – 1508), which lists Federal and Federal-State agencies with jurisdiction by law or special expertise on environmental quality issues.

This appendix identifies those agencies to be consulted on particular environmental and natural resource issues in the NEPA process. It must be used in determining lead and cooperating agencies, scoping, and inviting comments (40 CFR 1501.5, 1501.6, 1501.7, and 1503.1), and is useful in determining other environmental review and consultation requirements (40 CFR 1502.25).

While CEQ lists this document as current on its web site, most of the information it contains is out of date. OEPC recommends using it as a guide and finding corresponding updated information on the Internet.

This memorandum replaces ESM94-10.

Attachment

I. POLLUTION CONTROL

A. Air Quality

Department of Agriculture

- Agricultural Research Service (effects of air pollution on vegetative growth).
- Farmers Home Administration (effects of air pollution on housing, community, and business loan programs, and farmer loan programs).
- Forest Service (effects of air pollution on vegetation and visibility; fire smoke management on National Forest and Grasslands).
- Rural Electrification Administration (electric power plant emissions).
- Soil Conservation Service (effects of air pollution on vegetation; wind erosion).

Department of Commerce

- National Bureau of Standards (air quality measurements, standards, data and methods).
- National Oceanic and Atmospheric Administration (meteorological and climatological research and monitoring in relation to urban air pollution; incorporation of national air quality standards in Coastal Zone Management Plans for management and protection of coastal and marine resources).

Department of Defense

- Department of the Air Force (air pollution from military aircraft).
- Department of the Army (emissions from military vehicles).

Department of Energy

- Economic Regulatory Administration (emissions from power plants and other major fuel-burning installations):
 - Exemptions from prohibitions against burning of natural gas and oil in power plants and major fuel-burning installations. 42 U.S.C. 7101 and 8301 (10 CFR Part 500, *et seq.*).
 - Office of Policy, Safety, and Environment (air quality in relation to general energy policies, programs, and projects; emissions from energy sources).

Department of Health and Human Services

- Public Health Service: Center for Disease Control (effects of air pollution on health); National Institutes of Health (effects of air pollution on health).

Department of Housing and Urban Development

- Office of Community Planning and Development (effects of air pollution on the built environment; air pollution abatement; energy costs and State Implementation Plans).
- Office of Housing (effect of air pollution on housing values and marketability; economic impacts).

Department of the Interior

- Fish and Wildlife Service (effects of air pollution, including acid rain, on endangered species and critical habitats; National Wildlife Refuge System areas; and other fish and wildlife resources).
- Geological Survey (effects of acid rain on surface and ground waters).
- Bureau of Indian Affairs (effects of air pollution on Indian lands).
- Bureau of Land Management (effects of air pollution, including smoke from forest fires and prescribed burning, on public lands, vegetation and visibility).
- Minerals Management Service (emissions from outer continental shelf lease operations):

—Oil, gas, and sulphur operations on the outer continental shelf—air quality. 43 U.S.C. 1331, *et seq.*, and 42 U.S.C. 7411 (30 CFR Part 250.57).

- Bureau of Mines (air pollution from mining and minerals processing).
- National Park Service (visibility and other effects of air pollution on National Park System areas; effects of air pollution on recreation areas and historic, archeological and architectural sites).
- Office of Surface Mining Reclamation and Enforcement (air pollution from surface coal mining and reclamation operations; control of wind erosion at surface coal mines; control of coal waste fires).

Department of Labor

- Mine Safety and Health Administration (airborne hazards in mining operations).
- Occupational Safety and Health Administration (airborne hazards in the workplace):

—Air contaminants, toxic and hazardous substances. 29 U.S.C. 655, *et seq.* (29 CFR Part 1910, Subpart Z).

Department of State (international aspects of air pollution).

Department of Transportation

- Coast Guard (cargo tank venting and vapor recovery systems).
- Federal Aviation Administration (aircraft emissions):
 - Fuel venting and exhaust emission requirements for turbine engine powered airplanes. Special Federal Aviation Regulation 27 (SFAR). 42 U.S.C. 1857, *et seq.*, 7571 and 7601; 49 U.S.C. 1345, 1348, 1421, 1423 and 1655 (14 CFR Part 11; 40 CFR Part 87).
 - Federal Highway Administration (highway related air quality impacts; vehicle emissions):

Appendix II—Federal and Federal-State Agencies With Jurisdiction by Law or Special Expertise on Environmental Quality Issues

This appendix is a compilation of Federal and Federal-State agencies with jurisdiction by law, a statutorily mandated consultative role, or special expertise on environmental quality issues. Both the public and private sectors and governmental agencies can use this list as a reference guide to facilitate their participation in and compliance with NEPA process.

The appendix is organized into four broad categories: pollution control, energy, land use, and natural resource management. Because most actions involve environmental issues falling into more than one of these categories, users should consult all pertinent entries.

The areas of special expertise are listed in parentheses following the agency name. They are intended to provide examples rather than define the limits of an agency's total expertise in that area.

The areas of jurisdiction by law and statutorily mandated consultations are listed below each appropriate agency or component. Entries dealing with jurisdiction by law relate to that agency's authority to approve, deny, or finance all or part of a proposal and include permits and licenses. Because experience in implementing NEPA has proven that identification of an agency's statutorily mandated consultative role is of equal significance to users of this list, those responsibilities are now specifically cited and include such authorities as the National Historic Preservation Act of 1966 (16 U.S.C. Sec. 470 *et seq.*), the Fish and Wildlife Coordination Act (16 U.S.C. Sec. 661 *et seq.*), and the Endangered Species Act of 1973 (16 U.S.C. Sec. 1531 *et seq.*).

Because laws are amended and new laws enacted, the responsibilities identified in this appendix may change or new ones may be added. Hence, the definitive responsibility of an agency depends on the then current law and not on this index.

The Council on Environmental Quality has prepared this list to supplement its NEPA regulations and believes that it will be helpful in the following ways:

First, the Council's NEPA regulations require the Federal agency having primary responsibility for preparing an environmental impact statement (EIS) under NEPA (the lead agency) to determine whether any other Federal agencies have jurisdiction by law or special expertise with respect to any environmental effects involved in a proposal for legislation or other major Federal action significantly affecting the human environment. 40 CFR 1501.5(a), 1501.6(a), 1501.7(a). The Federal lead agency must, early in the NEPA process, request the participation of Federal cooperating agencies with jurisdiction by law or special expertise concerning the proposal. 40 CFR 1501.6(a), 1501.7(a). The lead agency and those involved in the "scoping process" (see 40 CFR 1501.7) may use this list to help determine which other Federal agencies should be requested to participate as cooperating agencies in the NEPA process. The list will also be helpful to the lead agency in determining which agencies should receive copies of the draft environmental impact statement for review and comment. 40 CFR 1503.1.

Second, this compilation will prove useful to those whose activities or proposed actions require Federal regulatory approvals by facilitating the identification of:

- a. Those Federal agencies with the authority to issue applicable permits, licenses or other Federal regulatory approvals, and
- b. Those Federal agencies that have a statutorily mandated consultative role that must be carried out before a decision is made.

Third, a major goal of NEPA and the CEQ regulations is to encourage public participation in agency decisionmaking. 40 CFR 1500.2(d). Individuals, citizen groups and State and local governments who are interested in an environmental issue may use the list to help identify those agencies that have jurisdiction by law over or special expertise in the subject matter of a proposal. Those interested may then contact the potentially involved agencies to obtain information on the issues and to participate in the NEPA process.

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—Air quality conformity of highway projects. 23 U.S.C. 109; 42 U.S.C. 7401, *et seq.*, and 7506 (23 CFR Part 770).

• Federal Railroad Administration (locomotive emissions).

• Urban Mass Transportation Administration (air quality effects of urban transportation systems):

—Air quality conformity of transit projects. 42 U.S.C. 7401, *et seq.*, and 7506 (49 CFR Part 623).

Advisory Council on Historic Preservation (effects of air pollution on historic districts, buildings and monuments).

Consumer Product Safety Commission (toxic emissions from consumer products and household substances):

—Consumer products and household substances regulations. 15 U.S.C. 1261, *et seq.*, and 2051, *et seq.* (16 CFR Part 1000, *et seq.*).

Environmental Protection Agency (effect of air pollution on public health and welfare; air quality criteria and standards; air pollution control and abatement technologies; transportation emissions and air quality impacts; stationary source emissions; monitoring technology):

—Air quality programs in general. 42 U.S.C. 1857, *et seq.*; 7401, *et seq.*; 7501, *et seq.*; and 7601, *et seq.* (40 CFR Parts 50–87).

—Prevention of significant air quality deterioration. 42 U.S.C. 7470, *et seq.* (40 CFR Parts 51, 52 and 124).

—Approval of State Implementation Plans (SIPs) for National primary and secondary ambient air quality standards. 42 U.S.C. 7410 (40 CFR Parts 51 and 52).

—Approval of State plans for standards of performance for new stationary emission sources (NSPS). 42 U.S.C. 7411 (40 CFR Part 60).

—Applications for primary non-ferrous smelter orders. 42 U.S.C. 7419 (40 CFR Part 57).

—Assuring that Federal projects conform with State Implementation Plans. 42 U.S.C. 7616 (40 CFR Part 20).

—Certification of new emission sources for conformance with National Emission Standards for Hazardous Air Pollutants including radioactive materials. 42 U.S.C. 7412(c) (40 CFR Part 61).

Interstate Commerce Commission (air pollution from trucks and railroads).

National Aeronautics and Space Administration (advanced technology for remote sensing of air quality parameters and for reduction of aircraft engine emissions).

Nuclear Regulatory Commission (radioactive substances in air pollution):

—For jurisdictional responsibilities see Part I.E.—Radiation.

Tennessee Valley Authority (air quality in the Tennessee Valley region; measurement and control of air pollution from fossil-fueled steamplants; effects on vegetation)

• Farmers Home Administration (water quality in relation to housing, community, and business loan programs, and farmer loan programs).

• Forest Service (effects of water pollution on National Forests and Grasslands, and on forest and range land in general):

—Consultation regarding effects of pollution on rivers established as units of the National Wild and Scenic Rivers System and on those rivers designated for study as potential additions to that System. 16 U.S.C. 1278, *et seq.*

—Management of municipal watersheds on National Forest lands. (36 CFR Parts 251.8 and 251.35).

• Soil Conservation Service (water quality in relation to agricultural waste management, erosion and sediment control and stabilization of rural abandoned mines; salinity control; pesticides in conservation systems):

—Reclamation of rural abandoned mined land. 30 U.S.C. 1201 *et seq.* (7 CFR Part 632).

—Program for land conservation and utilization, and aquaculture. 7 U.S.C. 1011(e).

Department of Commerce

• National Bureau of Standards (water quality measurements, standards, data, and methods).

• National Oceanic and Atmospheric Administration (water quality in the management and protection of coastal and marine resources, marine pollution research and monitoring for ocean mining):

—National Ocean Pollution Planning Act. 33 U.S.C. 1701, *et seq.*

—Marine Protection, Research, and Sanctuaries Act. 16 U.S.C. 1431, *et seq.* 15 CFR Part 922, *et seq.*

Department of Defense

• Army Corps of Engineers (water pollution from activities in navigable waters):

—Rules governing work or structure in or affecting navigable waters of the United States. 33 U.S.C. 401 and 403 (33 CFR Parts 321 and 322).

—Authority to enjoin dumping of, or force removal of, refuse placed in or on the banks of a navigable water or tributary of a navigable water. 33 U.S.C. 407 (33 CFR Part 320.2(d)).

—Permits for discharges of dredged or fill materials into waters of the United States. 33 U.S.C. 1344 (33 CFR Part 323).

—Guidelines controlling discharge of dredged or fill material in waters of the U.S. including wetlands. 33 U.S.C. 1344(b) and 1361(a) (40 CFR Part 230).

—Permits for transportation of dredged materials for dumping into ocean waters. 33 U.S.C. 1413 (33 CFR Part 324).

—Regulation of artificial islands, installations and devices on the outer continental shelf. 43 U.S.C. 1333(e). (33 CFR Part 320.2(b)).

• Department of Navy (water pollution control for ships and naval installations; oceanography).

Department of Energy

• Office of Policy, Safety, and Environment (water quality and marine pollution in

relation to general energy policies, programs and projects).

Department of Health and Human Services

• Center for Disease Control (effects of water quality on health).

• Food and Drug Administration (shellfish sanitation; contamination of fish and shellfish with toxics).

Department of Housing and Urban Development

• Office of Community Planning and Development (effects of water pollution community planning and on sole source aquifers, floodplains, wetlands, and urban coastal zones).

Department of the Interior

• Fish and Wildlife Service (effects of water pollution on National Wildlife Refuge and National Fish Hatchery System areas, endangered species and their critical habitats, migratory waterfowl, floodplains, wetlands, estuarine areas, marine sanctuaries, barrier islands, and sport fisheries and wildlife resources).

• Geological Survey (general hydrology and water quality; National Water Summary; National Stream Quality Accounting Network [NASQAN]).

• Bureau of Indian Affairs (water quality on Indian lands).

• Bureau of Land Management (water quality on public lands):

—Permits and leases for facilities to control/reduce water pollution. 43 U.S.C. 1732(b) and 1761(a)(1) (43 CFR Part 2800).

• Minerals Management Service (effects of marine pollution on the outer continental shelf and coastal waters):

—Control of pollution from mineral mining, including oil and gas development, on the outer continental shelf. 43 U.S.C. 1331–1343. (30 CFR Parts 250, 251, 252 and 256).

• Bureau of Mines (water pollution from mining and mineral processing; acid mine drainage).

• National Park Service (effects of water pollution on National Park System areas including National Seashores and Lakeshores, on outdoor recreational values, and on historic, archeological, and architectural resources):

—Consultations regarding effects of pollution on rivers established as units of the National Wild and Scenic Rivers System and on those rivers designated for study as potential additions to that System. 16 U.S.C. 1278, *et seq.*

• Bureau of Reclamation (effects of public works, salinity control, sedimentation, and irrigation on water quality; effects of water developments on estuarine areas; research in weather modification, water quality and quantity, and desalinization).

• Office of Surface Mining Reclamation and Enforcement (effects of surface coal mining and reclamation operations on water quality and hydrologic balance).

Department of State (international aspects of water pollution):

—Facilities for export/import of water and sewage. Executive Order 11423.

Department of Transportation

- Coast Guard (effects of oil spills and ship sanitation on water quality; ocean dumping enforcement; marine resource protection):

—Tanker construction, equipment, manning, operation. 46 U.S.C. 391(a) (33 CFR Part 157).

—Control of pollution by oil and hazardous substance discharges in ports, waterways, and offshore facilities. 33 U.S.C. 1008-1011, 1221, and 1321; 50 U.S.C. 191 (33 CFR Parts 151 and 154-156).

—Certification of marine sanitation devices. 33 U.S.C. 1322 (33 CFR Part 159).

- Federal Highway Administration (effects of highways, traffic and use of salt on water quality).

- Maritime Administration (water pollution from ships; destruction/treatment of wastes at sea):

—Merchant vessels, polluting discharges and dumping. 46 U.S.C. 1101, *et seq.*

—Port operations, polluting discharges and dumping. 46 U.S.C. 867.

- Research and Special Programs Administration: Materials Transportation Bureau (effects of hazardous substances transportation on water quality).

Advisory Council on Historic Preservation (effects of water pollution on historic districts, buildings and monuments).

Environmental Protection Agency (waste water treatment works; effluent limitations; oil and hazardous substance discharges; protection of drinking water supplies; thermal discharges; ocean dumping; monitoring technology):

—Water quality programs in general. 33 U.S.C. 1160, *et seq.*, and 1251, *et seq.*; 42 U.S.C. 300f, *et seq.*, and 6901, *et seq.* (40 CFR Parts 100-149).

—Effluent guidelines and standards. 33 U.S.C. 1251, *et seq.* (40 CFR Part 401, *et seq.*).

—Ocean dumping in general. 33 U.S.C. 1344, 1361 and 1412-1418 (40 CFR Parts 220-231). Permits for discharge of specific pollutants from aquaculture projects. 33 U.S.C. 1328 (40 CFR Parts 122-124).

—Review of permits for transportation of dredged material for ocean dumping. 33 U.S.C. 1413 (40 CFR Parts 220-229).

—Permits for transportation of materials other than dredged material for ocean dumping. 33 U.S.C. 1412 and 1414 (40 CFR Parts 220-229).

—Permits for disposal of sewage sludge. 33 U.S.C. 1345 (40 CFR Parts 122-125).

—Permits for ocean discharges. 33 U.S.C. 343 (40 CFR Parts 125.120-125.124).

—Regulation of discharges of oil and hazardous substances in waters of the United States. 33 U.S.C. 1321 and 1361 (40 CFR Part 112).

—Permits for treatment, storage or disposal of hazardous wastes. 2 U.S.C. 6925 (40 CFR Parts 124, 270, and 271).

—Review of permits for discharges of dredged or fill materials into navigable waters. 33 U.S.C. 1344(c) (40 CFR Part 230).

—Guidelines controlling the discharge of dredged or fill material in waters of the United States, including wetlands. 33 U.S.C. 1344(b) (1) 1361(a) (40 CFR Part 230).

—Assistance for construction of publicly-owned waste water treatment works. 33 U.S.C. 1281 (40 CFR Parts 30 and 35).

—Underground injection control permits. 42 U.S.C. 300f, *et seq.* (40 CFR Parts 122-124 and 144-146).

—National Pollutant Discharge Elimination System (NPDES) wastewater permits. 33 U.S.C. 1342 (40 CFR Parts 122-125, 129, 133, and 136).

—Designation of Sole Source Aquifers. 42 U.S.C. 300f and h-3(e) (40 CFR Part 148).

Federal Emergency Management Agency (water quality in floodplain management).

Federal Maritime Commission (vessel certification with respect to liability for water pollution):

—Certificates of financial responsibility for water pollution. 33 U.S.C. 1321 (46 CFR Part 542); 42 U.S.C. 1643 (46 CFR Part 543); 43 U.S.C. 1815 (46 CFR Part 544).

International Boundary and Water Commission, United States Section (U.S.-Mexico border water quality, salinity, and sanitation problems).

National Aeronautics and Space Administration (advanced technology for remote sensing of water quality and marine pollution).

Nuclear Regulatory Commission (radioactive substances in water pollution):

—For jurisdictional responsibilities, see PART I. E—Radiation.

Tennessee Valley Authority (water quality in the Tennessee Valley; effects of chemical and thermal effluents).

C. Waste Disposal on Land*Department of Agriculture*

- Agricultural Research Service (effects of agricultural wastes and sludge on cropland).

- Agriculture Stabilization and Conservation Service (effects of solid waste, especially sludge disposal, on cropland).

- Forest Service (effects of solid and liquid wastes on National Forests and Grasslands):

—Permits for disposal sites on National Forest System lands. 16 U.S.C. 495, 497, 532-538 and 580 (36 CFR Part 251).

- Rural Electrification Administration (solid waste disposal from electric power plants).

- Soil Conservation Service (agriculture waste management; siting of disposal areas; sludge application on cropland for beneficial purposes).

Department of Commerce

- National Bureau of Standards (measurements, standards, data, and methods relating to solid and liquid wastes).

- National Oceanic and Atmospheric Administration (disposal of solid wastes in the management and protection of coastal and marine resources).

Department of Health and Human Services

- Center for Disease Control (effects of wastes on health).

- Food and Drug Administration (contamination of food resulting from disposal of municipal and industrial waste treatment sludge).

Department of the Interior

- Fish and Wildlife Service (effects of solid wastes on National Wildlife Refuge and National Fish Hatchery System areas,

endangered species and their critical habitats, and other fish and wildlife resources).

- Geological Survey (geologic and hydrologic effects of solid and liquid wastes)

- Bureau of Indian Affairs (effects of solid wastes on Indian lands).

- Bureau of Land Management (effects of solid wastes on public lands):

—Sale or lease of land for solid waste disposal sites. 43 U.S.C. 869, *et seq.* (for sale—43 CFR Part 2740; for lease—43 CFR Part 2912).

- Bureau of Mines (mine wastes; mineral processing wastes; tailings stabilization; impoundment structures; municipal solid wastes; recycling).

- National Park Service (effects of solid wastes on National Park System areas):

- Office of Surface Mining Reclamation and Enforcement (surface coal mining and reclamation operation wastes).

Department of Labor

- Mine Safety and Health Administration (mine waste control).

Department of Transportation

- Maritime Administration (destruction/treatment of wastes at sea).

- Research and Special Programs Administration: Materials Transportation Bureau (transport of hazardous wastes):

—Hazardous materials regulations. (49 CFR Part 171, *et seq.*)

Environmental Protection Agency (solid wastes; hazardous waste; resource conservation and recovery; removal and remedial actions; environmental effects):

Solid wastes in general. 42 U.S.C. 3251, *et seq.*, and 6901, *et seq.* (40 CFR Parts 240-271); 42 U.S.C. 9601 *et seq.* (40 CFR Part 300, *et seq.*).

—Permits for disposal of sewage sludge. 33 U.S.C. 1345 (40 CFR Parts 122-125).

—Solid Waste Disposal Act permits. 42 U.S.C. 3251, *et seq.*, and 6901, *et seq.* (40 CFR Parts 124, 257, 270, 271 and 350).

—Criteria for classification of solid waste disposal facilities and practices. 42 U.S.C. 6907(a)(3) and 6944(a); 33 U.S.C. 1345 (40 CFR Part 257).

—Identification and listing of hazardous wastes. 42 U.S.C. 6921 (40 CFR Part 261).

—Standards applicable to generators and transporters of hazardous waste, and for owners and operators of hazardous waste treatment, storage, and disposal facilities. 42 U.S.C. 6922-6924 (40 CFR Parts 260-267).

—Permits for hazardous waste treatment, storage, and disposal facilities. 42 U.S.C. 6925 (40 CFR Parts 123, 124, 270 and 271).

—Preliminary notification of hazardous waste activities. 42 U.S.C. 6930 (40 CFR Parts 261.5, 262.12, and 263.11).

—Removal and remedial actions taken in response to the release or threatened release of hazardous substances. 42 U.S.C. 9601 (23) and (24) 40 CFR Part 300).

—National Contingency plan for the release of oil and hazardous substances into the environment. 42 U.S.C. 9605 (40 CFR Part 300).

—Notification requirements for the release of hazardous substances into the environment. 42 U.S.C. 9605 (40 CFR Part 302).

—Assistance for construction of solid waste disposal facilities. 42 U.S.C. 6981, *et seq.* (40 CFR Parts 30 and 35).

Federal Emergency Management Agency (hazardous materials emergency management and disaster relief assistance).

General Services Administration (wastes in public buildings).

Nuclear Regulatory Commission (radioactive waste disposal):

—For jurisdictional responsibilities, see PART I. E—Radiation.

Tennessee Valley Authority (coal combustion products).

D. Noise

Department of Agriculture

- Farmers Home Administration (noise in relation to housing, community, and business loan programs, and farmer loan programs).

- Forest Service (noise effects on National Forests and Grasslands).

- Rural Electrification Administration (electric generating facility, powerline, and substation noise).

Department of Commerce

- National Oceanic and Atmospheric Administration (effects of noise on marine mammals).

Department of Defense

- Department of the Air Force (military aircraft noise).

- Department of the Army (noise from rotary wing aircraft and other military vehicles).

Department of Health and Human Services

- Public Health Service (effects of noise on health).

Department of Housing and Urban Development

- Office of Community Planning and Development (aircraft and vehicular noise and land use compatibility);

- Noise abatement and control. (24 CFR Part 51, Subpart B).

- Siting of HUD assisted projects in runway clear zones (civil airports) and clear zones and accident potential zones (military airfields). (24 CFR Part 51, Subpart D).

- Office of Housing (noise standards for housing; noise abatement and control).

Department of Interior

- Fish and Wildlife Service (effects of noise on endangered species and their critical habitats, National Wildlife Refuge System areas, and other fish and wildlife resources).

- Bureau of Indian Affairs (noise effects on Indian lands).

- Bureau of Land Management (noise effects on public lands; noise abatement and control).

- Minerals Management Service (effects of noise on marine mammals).

- Bureau of Mines (mine noise, blasting and vibration).

- National Park Service (effects of noise on National Parks system areas, including off

road vehicular noise; effects of noise and vibration on historic, archeological, and architectural sites, and recreational resources).

- Bureau of Reclamation (effects of noise on reclamation project lands).

- Office of Surface Mining Reclamation and Enforcement (noise from surface coal mining and reclamation operations, and from the use of explosives).

Department of Labor

- Mining Safety and Health Administration (noise in mining operations).

- Occupational Safety and Health Administration (noise in the workplace):

- Occupational noise exposure. 29 U.S.C. 655, *et seq.* (29 CFR Part 1910.95).

Department of Transportation

- Federal Aviation Administration (aircraft noise and land use compatibility):

- Airport noise compatibility planning. 49 U.S.C. 1341, 1348, 1354, 1421, 1431, 1655 and 2101–2104 (14 CFR Part 150).

- Noise standards: Aircraft type and airworthiness certification. 49 U.S.C. 1354, 1421, 1423, 1431 and 1655 (14 CFR Part 36).

- Operating noise limits. 49 U.S.C. 1344, *et seq.*; 1421, *et seq.*, and 1655 (14 CFR Part 91, Subpart E).

- Civil aircraft sonic boom. (14 CFR Part 91.55).

- Federal Highway Administration (traffic and motor vehicle noise):

- Procedures for abatement of highway traffic and construction noise. 23 U.S.C. 109 (23 CFR Part 772).

- Federal Railroad Administration (railroad noise):

- Railroad noise emission compliance regulation. 42 U.S.C. 4901, *et seq.* (49 CFR Part 210).

- Noise standards for railroad employees. (49 CFR Parts 228–229).

- Urban Mass Transportation Administration (urban transportation system noise).

- Advisory Council on Historic Preservation* (effects of noise and vibration on historic districts, buildings and monuments).

- Consumer Products Safety Commission* (hazardous noise from consumer products):

- Consumer products regulations. 15 U.S.C. 1261, *et seq.*, and 2051, *et seq.* (16 CFR Part 1000, *et seq.*).

- Environmental Protection Agency* (noise exposure standards; noise abatement and control techniques; noise impact assessment techniques; environmental effects):

- Noise abatement programs. 42 U.S.C. 4901, *et seq.* (40 CFR Part 201, *et seq.*).

- Interstate Commerce Commission* (noise effects from trucks and railroads).

- National Aeronautics and Space Administration* (advanced technology for reduction of aircraft noise).

E. Radiation

Department of Agriculture

- Agricultural Research Service (effects of irradiation on insects and microorganisms in food).

- Forest Service (disposal of radioactive materials in National forests and Grasslands electromagnetic radiation from powerlines and radio transmission systems).

- Rural Electrification Administration (electromagnetic radiation from high voltage sources).

Department of Commerce

- National Bureau of Standards (radiation measurements, standards, methods and data).

- National Oceanic and Atmospheric Administration (electromagnetic radiation from radar systems and telecommunications).

Department of Energy

- Office of Civilian Radioactive Waste Management (storage and disposal of commercial high-level radioactive waste and spent nuclear fuel).

- Office of Defense Programs (storage and disposal of Defense nuclear waste).

- Office of Energy Research (health effects of radiation and nuclear energy).

- Office of Policy, Safety, and Environment (nuclear energy and radioactive waste disposal; radiation effects).

Department of Health and Human Services

- Food and Drug Administration (effects of radiation on health and safety; contamination of food with radioactive materials).

- National Institutes of Health (effects of radiation on health).

Department of Housing and Urban Development

- Office of Community Planning and Development (radiation health and safety factors; siting and distance criteria):

- Policy guidance on problems posed by toxic chemicals and radioactive materials (HUD Notice 79–33 of Sept. 10, 1979).

- Office of Housing (radiation location factors affecting value and marketability).

Department of the Interior

- Fish and Wildlife Service (effects of radiation on National Wildlife Refuges, endangered species and their critical habitats, and other fish and wildlife resources).

- Geological Survey (effects of radioactive waste disposal).

- Bureau of Indian Affairs (effects of radiation on Indian lands).

- Bureau of Land Management (effects of radiation on public lands):

- Withdrawal of public lands for deep-burial depositories for radioactive waste. 43 U.S.C. 1714 (43 CFR Part 2300, *et seq.*).

- Bureau of Mines (radiation from uranium mines).

- National Park Service (effects of radiation on National Park System areas).

Department of Labor

- Mining Safety and Health Administration (worker protection from radiation exposure in mining).

- Occupational Safety and Health Administration (worker protection from exposure to sources of radiation not covered by other Federal agencies):

- Ionizing and nonionizing radiation. 29 U.S.C. 655, *et seq.* (29 CFR Parts 1910.96 and 1910.97).

Department of Transportation

- Federal Aviation Administration (radiation effects on air traffic; transport of radioactive materials).
- Federal Highway Administration: Bureau of Motor Carrier Safety (radioactive material transportation in interstate commerce):
- Hazardous materials tables and communications regulations. (49 CFR Part 172).
- Research and Special Programs Administration: Materials Transportation Bureau (transportation of radioactive materials):
- Hazardous materials regulations. 49 U.S.C. 1801, *et seq.* (49 CFR Part 171, *et seq.*).
- Consumer Product Safety Commission (radiation from consumer products and household substances):
- Consumer products and household substances regulations. 15 U.S.C. 1261, *et seq.*; 2051, *et seq.*, and 2080 (16 CFR Part 1000, *et seq.*).
- Environmental Protection Agency (radiation protection standards and guidance; radioactive air emissions; ocean disposal of radioactive waste; radiation limits for drinking water; radiation monitoring):
- Radiation protection programs. 42 U.S.C. 2011, *et seq.* (40 CFR Part 190, *et seq.*).
- Standards for the uranium fuel cycle. 42 U.S.C. 2011, *et seq.* (40 CFR Part 190).
- Standards for uranium mill tailings. 42 U.S.C. 2022. (40 CFR Part 192).
- Radiation standards for drinking water. 42 U.S.C. 300f, *et seq.* (40 CFR Part 141).
- Guidance to other Federal agencies for environmental radiation standards. 42 U.S.C. 2021(h).
- Federal Emergency Management Agency (review and approval of state and local nuclear incident emergency response plans; Federal contingency plans; radiation hazards emergency management).
- Nuclear Regulatory Commission (radioactive wastes, radiation effects in general):
- Standards for protection against radiation. 42 U.S.C. 2073, *et seq.*, and 5841, *et seq.* (10 CFR Part 20).
- Licensing of byproduct material. 42 U.S.C. 2014, *et seq.*, and 5841, *et seq.* (10 CFR Parts 30-33 and 35).
- Licensing and radiation safety requirements for radiography. 42 U.S.C. 2111, *et seq.*, and 5841, *et seq.* (10 CFR Part 34).
- Licensing of source material. 42 U.S.C. 2014 *et seq.*, and 5841, *et seq.* (10 CFR Part 40).
- Licensing of production and utilization facilities. 42 U.S.C. 2073, *et seq.*, and 5841, *et seq.* (10 CFR Parts 50, 51 and 55).
- Disposal of high level radioactive waste. 42 U.S.C. 2021, *et seq.*, and 5842, *et seq.* (10 CFR Parts 60 and 61).
- Licensing of special nuclear material. 42 U.S.C. 2014, *et seq.*, and 5841, *et seq.* (10 CFR Part 70).
- Packaging and transportation of radioactive material. 42 U.S.C. 2073, *et seq.*, and 5841 *et seq.* (10 CFR Part 71).

- Licensing for storage of spent fuel. 42 U.S.C. 2021, *et seq.*, and 5872 *et seq.* (10 CFR Part 72).
- Reactor site criteria. 42 U.S.C. 2133, *et seq.*, and 5841, *et seq.* (10 CFR Part 100).
- Export and import of nuclear material. 42 U.S.C. 2073, *et seq.*, and 5841 (10 CFR Part 110).
- Licenses for Department of Energy demonstration reactors. 42 U.S.C. 5842 (1) and (2).
- Licenses for receipt and long-term storage of high-level radioactive wastes at Department of Energy facilities. 42 U.S.C. 5842 (3) and (4).
- Tennessee Valley Authority (nuclear power plant planning; radiation monitoring).

F. Hazardous Substances

(1) Toxic, Explosive, and Flammable Materials

Department of Agriculture

- Agricultural Marketing Services (toxic materials and consumer protection).
- Animal and Plant Health Inspection Service (toxic materials in the control of plant pests, noxious weeds, animal diseases, and vectors).
- Food Safety and Inspection Service (toxic materials and consumer protection).
- Forest Service (effects of toxic materials on National Forests and Grasslands).
- Soil Conservation Service (toxic materials in the control of insects and other plant pests).

Department of Commerce

- National Bureau of Standards (toxic material measurements, standards, methods and data).
- National Oceanic and Atmospheric Administration (toxic materials in coastal and marine resources management and protection; ocean-pollution research and monitoring).

Department of Defense (toxic materials in military operations).

Department of Health and Human Services

- Center for Disease Control (toxic materials and health issues).
- Food and Drug Administration (toxic materials and contamination of food).
- National Institutes of Health (toxic materials and health issues).

Department of Housing and Urban Development

- Office of Community Planning and Development (hazardous waste disposal, treatment, and compatible land use):
- Assurances that HUD assisted projects are located in a safe and healthful environment. 42 U.S.C. 1441, *et seq.*
- Policy guidance on problems posed by toxic chemicals and radioactive materials. (HUD Notice 79-33 of Sept. 10, 1979).
- Siting of HUD assisted projects near hazardous operations handling explosive or flammable materials. (24 CFR Part 51, Subpart C).
- Office of Housing (lead-based paint poisoning prevention; hazardous material storage and effects on property values).

Department of the Interior

- Fish and Wildlife Service (effects of toxic materials, including lead shot, on endangered species and critical habitats, National Wildlife Refuge and National Fish Hatchery System areas, and other fish and wildlife resources).
- Geological Survey (effects of the disposal of toxic wastes).
- Bureau of Indian Affairs (toxic materials on Indian lands).
- Bureau of Land Management (toxic materials on public lands).
- Minerals Management Service (toxic materials from outer continental shelf mineral, including oil and gas, operations):
- Discharges from outer continental shelf mineral, including oil and gas, operations. 43 U.S.C. 1331, *et seq.* (30 CFR Part 250).
- Bureau of Mines (disposal methods for selected milling and mine wastes).
- National Park Service (effects of toxic materials on National Park System areas).
- Bureau of Reclamation (effects of toxic materials on water storage and delivery projects).
- Office of Surface Mining Reclamation and Enforcement (toxic materials from surface coal mining and reclamation wastes).

Department of Labor

- Mining Safety and Health Administration (toxic materials in mining).
- Occupational Safety and Health Administration (toxic materials in the workplace):

- Hazardous and toxic materials and substances. 29 U.S.C. 655, *et seq.* (29 CFR Part 1910, Subparts H and Z).

Department of Transportation

- Coast Guard (transportation of toxic materials by vessel; discharges to navigable waters):
- Transportation of hazardous materials by vessel. 46 U.S.C. 170, 375, 391(a) and 416(j); 49 U.S.C. 1655, 1803, 1804 and 1808(j); 50 U.S.C. 191 (33 CFR Parts 151, *et seq.*, and 160, *et seq.* (46 CFR Chapter I).
- Hazardous substance discharge in navigable waters. 33 U.S.C. 1321 (33 CFR Parts 25 and 151, *et seq.*; 46 CFR Part 542, *et seq.*).
- Federal Aviation Administration (hazardous aircraft cargo):
- Federal Highway Administration: Bureau of Motor Carrier Safety (hazardous material transportation in interstate commerce):
- Hazardous materials tables and communications regulations. (49 CFR Part 172).
- Transportation of hazardous materials—driving and parking rules. (49 CFR Part 397).
- Federal Railroad Administration (railroad transport of hazardous materials).
- Maritime Administration (port, coastal and ocean pollution from hazardous materials):
- Merchant vessels, polluting discharges, dumping, and destruction/treatment of wastes at sea. 46 U.S.C. 1101, *et seq.*

- Research and Special Programs Administration: Materials Transportation Bureau (hazardous cargo: hazardous materials in pipelines):

- Transportation of hazardous materials. 49 U.S.C. 1801, *et seq.* (49 CFR Part 171, *et seq.*, and 190, *et seq.*).

- Approval for shipments of Class A explosives. 49 U.S.C. 1707 (7).

- Permits for facilities to handle hazardous materials. 49 U.S.C. 1801, *et seq.*

Consumer Product Safety Commission (toxic consumer products and hazardous household substances):

- Consumer product and household substances regulations. 15 U.S.C. 1261, *et seq.*; 1471, *et seq.*; and 2051, *et seq.* (16 CFR Part 1000, *et seq.*).

Environmental Protection Agency (hazardous material pollution control and environmental effects):

- Permits for the treatment, storage and disposal of hazardous wastes. 42 U.S.C. 6901, *et seq.* (40 CFR Parts 122–124, 257, 270, and 271).

- Criteria for classification of hazardous waste disposal facilities and practices. 42 U.S.C. 6907(a)(3) and 6944(a); 33 U.S.C. 1345 (40 CFR Part 257).

- Identification and listing of hazardous waste. 42 U.S.C. 6921 (40 CFR Part 261).

- Standards applicable to generators and transporters of hazardous wastes and for owners and operators of hazardous waste treatment, storage and disposal facilities. 42 U.S.C. 6901, *et seq.* (40 CFR Parts 260–267).

- Preliminary notification of hazardous waste activities. 42 U.S.C. 6930 (40 CFR Parts 261.5, 262.12 and 263.11).

- National emission standards for hazardous air pollutants (NESHAP). 42 U.S.C. 1857, *et seq.* General provisions: (40 CFR Part 61).

- Hazardous substances in water. 33 U.S.C. 1251, *et seq.* (40 CFR Parts 118 and 117).

- Toxic effluent standards. 33 U.S.C. 1251, *et seq.* (40 CFR Part 129).

- Control of toxic substances in general. 15 U.S.C. 2601, *et seq.* (40 CFR Part 702, *et seq.*).

- Regulation of hazardous chemical substances and mixtures. 15 U.S.C. 2605 (40 CFR Part 750).

- Reporting of toxic substances inventory and retention of information. 15 U.S.C. 2607 (40 CFR Parts 710, 716, 761 and 763).

- Testing of chemical substances and mixtures. 15 U.S.C. 2603.

Federal Emergency Management Agency (evacuations and relocations resulting from hazardous materials released into the environment):

- Temporary evacuation and housing and permanent relocation due to hazardous substances pollution. 42 U.S.C. 9604(a)(1) and 9607 (23) and (24).

(2) Food Additives and Contamination of Food

Department of Agriculture

- Agricultural Research Service (detection of additives and contaminants in food).
- Agricultural Marketing Service (food quality standards).

- Food Safety and Inspection Service (contamination of meat and poultry products).

Department of Commerce

- National Oceanic and Atmospheric Administration (seafood quality).

Department of Health and Human Services

- Food and Drug Administration (effects of food additives and contamination on health).

Department of the Interior

- Fish and Wildlife Service (effects of contaminated food on endangered and threatened species and other Federally protected fish and wildlife).

Environmental Protection Agency (contamination of the environment and food from pesticide use and other toxic materials).

(3) Pesticides

Department of Agriculture

- Agricultural Research Service (biological controls; pesticides in food and fiber production).

- Animal Plant Health and Inspection Service (pesticides in the control of animal and plant pests and exotic noxious weeds).

- Food Safety and Inspection Service (pesticide residues and consumer protection).

- Forest Service (pesticides in the control of animal and plant pests; pesticide use on National Forests and Grasslands).

- Soil Conservation Service (pesticides in conservation systems; watershed resource protection).

Department of Commerce

- National Oceanic and Atmospheric Administration (effects of pesticides on marine life, the coastal zone, and seafood quality; ocean pollution research and monitoring).

Department of Defense

- Armed Forces Pest Management Board (pesticide use on military lands, facilities and equipment; control of disease vectors).

Department of Health and Human Services

- Center for Disease Control (effects of pesticides on health).

- Food and Drug Administration (pesticide contamination of food).

Department of the Interior

- Fish and Wildlife Service (pesticide use on National Wildlife Refuge and National Fish Hatchery System lands; effects of pesticides on endangered species and their critical habitats, and other fish and wildlife resources).

- Geological Survey (effects of pesticides on water quality).

- Bureau of Indian Affairs (pesticide use on Indian lands).

- Bureau of Land Management (pesticide use on public lands).

- Bureau of Reclamation (pesticide use on irrigated lands and other project lands, facilities and rights-of-way).

- National Park Service (pesticide use in National Park System areas).

Department of Labor

- Occupational Safety and Health Administration (worker exposures during manufacture of pesticides):

- Hazardous and toxic materials and substances. 29 U.S.C. 655, *et seq.* (29 CFR Part 1910, Subparts H and Z).

Department of Transportation

- Coast Guard (transportation of pesticides by vessel):

- Permits for transportation of hazardous substances by vessel. 46 U.S.C. 170, and 391a (33 CFR Parts 151, *et seq.*, and 160, *et seq.*; 46 CFR Chapter I).

- Federal Aviation Administration (transport and use of pesticides by aircraft).

- Federal Highway Administration: Bureau of Motor Carrier Safety (pesticide transport in interstate commerce):

- Hazardous materials tables and communications regulations. (49 CFR Part 172).

- Federal Railroad Administration (transport of pesticides by railroads).

- Research and Special Programs Administration: Materials Transportation Bureau (transport of pesticides):

- Transportation of hazardous materials. 49 U.S.C. 1801, *et seq.* (49 CFR Part 171, *et seq.*).

Environmental Protection Agency (pollution control and environmental effects of pesticides):

- Pesticide programs in general. 7 U.S.C. 136, *et seq.*; 21 U.S.C. 346a (40 CFR Part 162, *et seq.*).

- Certification of pesticide applicators. 7 U.S.C. 136b (40 CFR Part 171).

- Registration of pesticides. 7 U.S.C. 136a (40 CFR Part 162).

- Experimental pesticide use permits. 7 U.S.C. 136c (40 CFR Part 172).

- Establishment of pesticide tolerances. 21 U.S.C. 346a (40 CFR Part 180 and 21 CFR Part 193).

- Pesticide disposal and transportation. 7 U.S.C. 136q (40 CFR Part 165).

- Worker protection standards for agricultural pesticides. 7 U.S.C. 136 (40 CFR Part 170).

- Emergency exemptions for pesticides use. 7 U.S.C. 136p (40 CFR Part 166).

Tennessee Valley Authority (pesticide use on public lands and waters in Tennessee Valley region).

II. ENERGY

A. Electric Power (Development, Generation, Transmission, and Use)

Department of Agriculture

- Farmers Home Administration (small hydro, solar, and wind projects):

- Approval of plans and specifications for FMHA funded projects. 7 U.S.C. 1942 (7 CFR Parts 1924, 1942 and 1944).

- Forest Service (power development in National Forests and Grasslands):

- Permits, easements, and leases for power transmission, road, and hydro

developments. 16 U.S.C. 522, *et seq.*; 43 U.S.C. 1761 (36 CFR Part 251.50, *et seq.*)

- Permits for commercial use of existing roads. 16 U.S.C. 537 (37 CFR Part 212).
- Consultations regarding power developments on rivers established as units of the National Wild and Scenic Rivers System and on those rivers designated for study as potential additions to that System. 16 U.S.C. 1278, *et seq.*
- Rural Electrification Administration (power development in and for rural areas):
- Electrical generation and transmission projects. 7 U.S.C. 901 *et seq.* (7 CFR Part 1700, *et seq.*)

Department of Commerce

- National Oceanic and Atmospheric Administration (coastal energy facility planning and siting):
- Approval of licenses for siting, design, and operation of ocean-thermal energy facilities. 42 U.S.C. 9101, *et seq.* (15 CFR Part 981).

Department of Defense

- Army Corps of Engineers (hydroelectric projects; effects of power development on navigable waters):
- For jurisdictional responsibilities, see PART I. B.—Water Quality.

Department of Energy

- Economic Regulatory Administration (regulation of power plants and other major fuel-burning installations):
- Exemptions from prohibitions against the burning of natural gas and petroleum in power plants and major fuel burning installations. 42 U.S.C. 7101 and 8301 (10 CFR Part 500, *et seq.*)
- Transmission of electric energy to a foreign country. 16 U.S.C. 824a(e); E.O. 10485 and E.O. 12038 (18 CFR Parts 32.30–32.38 and 10 CFR Parts 205.300–205.309).
- Office of Policy, Safety, and Environment (general energy policies, programs and projects):
- Alaska Power Administration (hydroelectric generation and transmission systems in Alaska).
- Bonneville Power Administration (electric transmission systems in the Pacific northwest).
- Southeastern Power Administration (electric transmission systems in the southeastern States).
- Southwestern Power Administration (electric transmission systems in the southwestern States).
- Western Area Power Administration (electric transmission systems in the western States).

Department of Housing and Urban Development

- Office of Community Planning and Development (energy policy; demonstration programs; research; assistance for community and economic development; assistance for energy efficiency):
- Housing and Community Development Act of 1974. 42 U.S.C. 5301, *et seq.* (24 CFR Part 570).
- Office of Housing (energy factors in rehabilitation and retrofitting).

- Office of Policy Development and Research (building energy technology; urban energy studies).
- Office of Solar Energy and Conservation (new technologies and research).

Department of the Interior

- Fish and Wildlife Service (effects of power development, including transmission line and tower construction, on endangered species and their critical habitats, National Wildlife Refuge and National Fish Hatchery System areas, and other fish and wildlife resources):
- Easements/permits for transmission line rights-of-way across National Wildlife Refuge and National Fish Hatchery System land. For refuges—16 U.S.C. 668dd; for hatcheries—43 U.S.C. 931 c and d (50 CFR Part 29.21).
- Permits for rights-of-way on National Wildlife Monuments (Alaska only). 16 U.S.C. 432, 460(k)–3 and 742(f) (50 CFR Part 96).
- For additional jurisdictional responsibilities, see PART IV. C.—Water Resources Development.
- Geological Survey (geologic and hydrologic siting constraints for power developments; National Water Summary):
- Bureau of Indian Affairs (power development on Indian lands):
- Approval of leases and permits for Indian lands. 25 U.S.C. 380, 393–395, 397, 402–403, 413, 415, 477 and 635 (25 CFR Part 162).
- Rights-of-way over Indian lands. 25 U.S.C. 311–321 and 323–328 (25 CFR Part 169).
- Specific power systems. (25 CFR Parts 175–177).
- Bureau of Land Management (power development on public lands):
- Easements/permits for rights-of-way. 30 U.S.C. 185 and 43 U.S.C. 1701, *et seq.* (43 CFR Parts 2800–2887).
- Exchange of Federal lands to facilitate energy development. 43 U.S.C. 1716 (43 CFR Parts 2200–2270).
- National Park Service (effects of power development on National Park System lands; on historic-archeologic and architectural sites; and on recreational values):
- Easements for rights-of-way across National Park system land. 16 U.S.C. 5 (36 CFR Parts 7 and 14).
- Consultations about extent to which proposed recreational developments at hydroelectric projects conform to and are in accord with the Statewide Comprehensive Outdoor Recreation Plans. 16 U.S.C. 460.
- Consultations regarding power developments on rivers established as units of the National Wild and Scenic Rivers System and on those rivers designated for study as potential additions to that System. 16 U.S.C. 1278, *et seq.*
- Bureau of Reclamation (hydroelectric power development in the 17 contiguous western states, impact of power development on State water laws; analysis of cost sharing):
- Easements/permits for powerline rights-of-way. 43 U.S.C. 3871.

Department of Labor

- Occupational Safety and Health Administration (workers safety and health issues):
- Construction, transmission and distribution facilities. 29 U.S.C. 655, *et seq.* (29 CFR Part 1928, Subpart V).

Department of Transportation

- Federal Highway Administration (highways and electric utility facilities):
- Relocation and accommodation of utility facilities on highway rights-of-way. 23 U.S.C. 109(1), 116 and 123 (23 CFR Part 645).

Advisory Council on Historic Preservation (effects of power developments on historic properties).

Environmental Protection Agency (pollution control and environmental effects of power development):

- For jurisdictional responsibilities see PART I.A.—Air Quality, PART I.B.—Water Quality, and PART I.C.—Waste Disposal on Land.

Federal Emergency Management Agency (review and approval of state and local nuclear incident emergency response plans).

Federal Energy Regulatory Commission (hydroelectric power projects; electric transmission; electric supply; facility siting):

- Regulation of interconnection of electric transmission facilities and regulation of enlargement of electric transmission facilities. 16 U.S.C. 824–825K (18 CFR Part 32).
- Regulation of the development of water power including the licensing of non-Federal hydroelectric power projects. 16 U.S.C. 791–825r (18 CFR Parts 4–25, 36, 131 and 141).
- Application for order directing the establishment of physical connection facilities. 16 U.S.C. 834(b).
- Withdrawal of Federal lands for power and powersite development purposes. 16 U.S.C. 818 (43 CFR Part 2344, *et seq.*)
- International Boundary and Water Commission, United States Section (hydroelectric power installations on the Rio Grande):
- Nuclear Regulatory Commission (nuclear power development in general):
- Licensing of production and utilization facilities. 42 U.S.C. 2073, *et seq.*, and 5841, *et seq.* (10 CFR Parts 50 and 51).
- Nuclear power reactor operators' licenses. 42 U.S.C. 2137, *et seq.*, and 5841, *et seq.* (10 CFR Part 55).
- Reactor site criteria. 42 U.S.C. 2133, *et seq.*, and 5841, *et seq.* (10 CFR Part 100).
- For other jurisdictional responsibilities, see PART I.E.—Radiation.
- Tennessee Valley Authority (power development in the Tennessee Valley Region).

B. Oil and Gas (Development, Extraction, Refining, Transport and Use)

Department of Agriculture

- Forest Service (effects of oil and gas development on National Forests and Grasslands):

—Permits and rights-of-way on National Forest System lands. 16 U.S.C. 471-472, 478, 495, 497-498, 528, 531-538, 551, 572 and 580 (36 CFR Parts 212, 251 and 261).

Department of Commerce

- National Oceanic and Atmospheric Administration (effects of oil and gas development and coastal and marine resources, management, and protection).

Department of Defense

- Army Corps of Engineers (effects of oil and gas development on navigable waters):
- For jurisdictional responsibilities, see PART I.B.—Water Quality.

Department of Energy

- Economic Regulatory Administration (regulation of power plants and other major fuel-burning installations):
- Exemptions from prohibitions against the burning of petroleum in power plants and major fuel-burning installations. 42 U.S.C. 7101 and 8301 (10 CFR Part 500, *et seq.*).
- Office of Policy, Safety, and Environment (general energy policies, programs, and projects).

Department of Housing and Urban Development

- Office of Community Planning and Development (health and safety standards; distance factors for pipeline, storage, and production facilities including sour gas wells; assistance for community and economic development; assistance to conserve petroleum and natural gas energy efficiency):
- Assurances that HUD assisted projects are located in a safe and healthful environment. 42 U.S.C. 1441, *et seq.*
- Siting of HUD assisted projects near hazardous operations handling petroleum products or chemicals of an explosive or flammable nature. (24 CFR Part 51, Subpart C).
- Housing and Community Development Act of 1974. 42 U.S.C. 5301, *et seq.* (24 CFR Part 570).
- Office of Housing (siting standards and effects on housing values and marketability).

Department of the Interior

- Fish and Wildlife Service (effects of oil and gas development on endangered species and their critical habitats, National Wildlife Refuge and National Fish Hatchery System areas, and other fish and wildlife resources):
- Permits for oil and gas pipeline rights-of-way across National Wildlife Refuge and National Fish Hatchery Systems lands. For refuges—16 U.S.C. 668dd; for hatcheries—43 U.S.C. 931c and d (50 CFR Part 29.21).
- Permits for rights-of-way across National Wildlife Monuments (Alaska only). 16 U.S.C. 432, 460(k)-3 and 742(f) (50 CFR Part 96).
- Geological Survey (oil and gas resources in general).
- Bureau of Indian Affairs (oil and gas development on Indian lands):
- Leases and permits on Indian lands. 25 U.S.C. 380, 393-395, 397, 402-403, 413, 415, 477 and 635 (25 CFR Part 162).
- Rights-of-way over Indian lands. 25 U.S.C. 311-321 and 323-328 (25 CFR Part 169).

- Mining leases (including oil and gas) on Indian lands. 25 U.S.C. 376, 396, 476-477 and 509 (25 CFR Parts 211-215 and 226-227).

- Bureau of Land Management (oil and gas development on public lands):

- Leases for oil and gas deposits:
 - (a) Public domain lands. 30 U.S.C. 181, *et seq.*; 43 CFR Parts 3100, *et seq.*, and 3160.
 - (b) Acquired lands. 30 U.S.C. 351-359 (43 CFR Parts 3100, *et seq.*, and 3160).
 - (c) In and under railroad and other rights-of-way acquired under laws of the United States. 30 U.S.C. 301-306 (43 CFR Part 3100).
 - (d) Indian lands. 25 U.S.C. 396a, *et seq.* (25 CFR Parts 211, 213, 226 and 227).
- Leases and land exchanges for oil shale, native asphalt, solid and semisolid bitumen and bituminous rock. For leases—30 U.S.C. 241 (43 CFR Part 3500); for exchanges—43 U.S.C. 1716 (43 CFR Parts 2200-2270).
- Easements/permits for oil and gas pipeline rights-of-way. 30 U.S.C. 185 and 43 U.S.C. 1701, *et seq.* (43 CFR Parts 2800-2887).
- Easements/leases/permits for use, occupancy and development of public lands. 43 U.S.C. 1732 (43 CFR Subchapters 2000 and 3000).
- Disposal of government royalty oil (non-OCS oil). 30 U.S.C. 189, 192 and 359 (30 CFR Part 208).
- Exchange of non-OCS Federal lands with oil and gas deposits. 43 U.S.C. 1716 (43 CFR Parts 2200-2207).

- Minerals Management Service (oil and gas development on the outer continental shelf):

- Leases for minerals on the outer continental shelf. 43 U.S.C. 1331-1343 (30 CFR Parts 250, 251, 252 and 256).
- Permits/easements for rights-of-way for "common carrier" oil gas pipelines on the outer continental shelf. 43 U.S.C. 1331 (30 CFR Part 256, Subpart N).
- Permits for exploration and development activities on Federal leases on the outer continental shelf. 43 U.S.C. 1331, *et seq.* (30 CFR Parts 250 and 251).
- Easements/rights-of-way for gathering pipelines, artificial islands, platforms, and other fixed structures on any Federal or State outer continental shelf oil and gas lease. 43 U.S.C. 1334-1335 (30 CFR Parts 250.18-250.19).

- Applications for purchase of government royalty oil from the outer continental shelf. 43 U.S.C. 1334 (30 CFR Part 225a).
- Permits for geological and geophysical exploration on the outer continental shelf. 43 U.S.C. 1334 and 1340 (30 CFR Part 251).
- Drilling permits. 43 U.S.C. 1351

- Bureau of Mines (environmental, health, and safety aspects of mining oil, tar sands, and oil shale; coalbed methane control and recovery; helium conservation).

- National Park Service (effects of oil and gas development on National Park System areas on historic, archeological, and architectural sites, and on recreational values):

- Permits for oil and gas operations on National Park system areas. 16 U.S.C. 1 (36 CFR Part 9).
- Determination of significance of effects for combined hydrocarbon lease conversions

- in Glen Canyon NRA. (43 CFR Parts 3140.7 and 3141.2).

- Bureau of Reclamation (effects of oil and gas development on water storage and delivery systems):

- Easements/permits for pipeline rights-of-way. 43 U.S.C. 3871.

Department of Labor

- Occupational Safety and Health Administration (general worker safety and health issues):

- Oil and gas well drilling. 29 U.S.C. 655, *et seq.* (29 CFR Part 1910.270).

- Department of State* (international aspects of oil and gas development):

- Facilities for export/import of petroleum and petroleum products. E.O. 11423

Department of Transportation

- Coast Guard (oil and gas transport by vessel):
- Tank vessel regulation. 46 U.S.C. 391(a) (33 CFR Part 157).

- Ports and waterways safety. 33 U.S.C. 1221 (33 CFR Part 160, *et seq.*).
- Construction and alteration of bridges for pipelines over navigable waters. 33 U.S.C. 491, *et seq.*; 511, *et seq.*; 525, *et seq.*, and 535 (33 CFR Part 114, *et seq.*).

- Outer continental shelf structures. 43 U.S.C. 1331 (33 CFR Part 140, *et seq.*).

- Maritime Administration (effects of oil and gas development on port, coastal and ocean pollution):

- Merchant vessels, including liquefied natural gas vessels. 42 U.S.C. 1101, *et seq.* (46 CFR Part 250, *et seq.*).
- Port operations, including loading/unloading of liquefied natural gas vessels. 42 U.S.C. 867 (46 CFR Part 346, *et seq.*).

- Federal Highway Administration (pipelines and highway rights-of-way):
- Relocation and accommodation of pipelines on highway rights-of-way. 23 U.S.C. 109(1), 116 and 123 (23 CFR Part 645).

- Federal Railroad Administration (railroad transport of oil and gas).

- Research and Special Programs Administration: Materials Transportation Bureau (pipeline safety; oil and gas shipments; natural gas marine terminals):
- Pipeline safety. 49 U.S.C. 1671, *et seq.*, and 2001, *et seq.* (49 CFR Part 190, *et seq.*).

- Advisory Council on Historic Preservation* (effects of oil and gas development on historic properties):

- Environmental Protection Agency* (pollution control and environmental effects of oil and gas development):

- For jurisdictional responsibilities, see PART I.A.—Air Quality, PART I.B.—Water Quality, and PART I.C.—Waste Disposal on Land.

- Federal Energy Regulatory Commission* (charges/rates for transportation of oil and gas by pipeline; transportation, storage, and sale of natural gas):

- Certificates for natural gas facilities (underground storage fields, LNG facilities, and transmission pipeline facilities); sale, exchange and transportation of gas:

abandonment of facilities and curtailment of natural gas service; authorization to import and export natural gas. 15 U.S.C. 717-717(w); E.O. 10485 and E.O. 12038 (18 CFR Part 152, *et seq.*).

—Authorization compelling the expansion, improvement or connection of natural gas facilities. 15 U.S.C. 717(a) (18 CFR Part 156).

Interstate Commerce Commission (regulation of petroleum and natural gas carriers).

C. Coal (Development, Mining, Conversion, Processing, Transport and Use)

Department of Agriculture

• Forest Service (effects of coal development on National Forests and Grasslands):

—Permits and rights-of-way on National Forest System lands. 16 U.S.C. 471-472, 476, 495, 497-498, 525, 528, 531-538, 551, 572 and 580 (36 CFR Parts 212, 251 and 261).

—Coal leasing. 30 U.S.C. 201-352.

—Surface coal mining operations. 30 U.S.C. 1272.

• Rural Electrification Administration (coal development in relation to rural electrification):

—Financial assistance for purchase of coal mines and mining facilities. 7 U.S.C. 901, *et seq.* (7 CFR Part 1700, *et seq.*).

• Soil Conservation Service (abandoned rural mined land, mine reclamation, and transportation):

—Reclamation of rural abandoned mined land. 30 U.S.C. 1201, *et seq.* (7 CFR Part 632).

Department of Commerce

• National Oceanic and Atmospheric Administration (atmospheric dispersion of effluents; acid rain; management and protection of coastal and marine resources; air and water pollution from mining; offshore and coastal mining; port planning).

Department of Defense

• Army Corps of Engineers (effects of coal development on navigable waters):

—For jurisdictional responsibilities. see PART I. B.—Water Quality.

Department of Energy

• Economic Regulatory Administration (regulation of powerplants and other major fuel-burning installations):

—Exemption from prohibitions against burning of natural gas and oil in powerplants and major fuel-burning installations. 42 U.S.C. 7101 and 8301 (10 CFR Part 500, *et seq.*).

• Office of Policy, Safety, and Environment (general energy policies, programs, and projects).

• Office of Fossil Energy (coal research, coal liquefaction projects, and emerging coal technologies).

Department of Housing and Urban Development

• Office of Community Planning and Development (assistance for community impacts due to rapid development):

—Housing and Community Development Act of 1974. 42 U.S.C. 5301, *et seq.* (24 CFR Part 570).

• Office of Housing (subsidence from mining operations and soil factors related to housing).

Department of the Interior

• Fish and Wildlife Service (effects of coal development on endangered species and their critical habitats, National Wildlife Refuge and National Fish Hatchery System areas, and other fish and wildlife resources):

—Permits for use of National Wildlife Refuge and National Fish Hatchery System lands. For refuges—16 U.S.C. 668 dd and ee; for hatcheries—43 U.S.C. 931 c and d (50 CFR Parts 25.41 and 29.21).

—Permits for rights-of-way across National Wildlife Monuments (Alaska only). 16 U.S.C. 432, 460(k-3) and 742(f) (50 CFR Part 96).

• Geological Survey (coal resources in general; hydrologic effects of coal mining and reclamation).

• Bureau of Indian Affairs (coal development on Indian lands):

—Leases and permits on Indian lands. 25 U.S.C. 380, 393-395, 397, 402-403, 413, 415, 477 and 635 (25 CFR Part 162).

—Rights-of-way over Indian lands. 25 U.S.C. 311-321 and 328 (25 CFR Part 169).

—Mining leases on Indian lands. U.S.C. 356, 396, 476-477 and 509 (25 CFR Parts 211-215 and 226-227).

—Surface exploration and reclamation. 25 U.S.C. 355, 396, 473 and 501-502 (25 CFR Part 216).

• Bureau of Land Management (coal development on public lands):

—Exploration licenses for coal deposits on unleased lands. 30 U.S.C. 181 and 201(b) (43 CFR Part 3400).

—Leases/permits for recovery of coal deposits. 30 U.S.C. 181, *et seq.*, 201b and 202a; 43 U.S.C. 1701, *et seq.* (43 CFR Parts 3400 and 3480).

—Easements/lease/permits for use, occupancy and development of public lands. 43 U.S.C. 1732 (43 CFR Subchapters 2060 and 3000).

—Permits to mine coal for domestic needs. 30 U.S.C. 208 (43 CFR Part 3440).

—Easements/permits for rights-of-way. 30 U.S.C. 185 and 43 U.S.C. 1701, *et seq.* (43 CFR Parts 2800-2887).

—Exchange of Federal lands with coal or uranium deposits. 43 U.S.C. 1716 (43 CFR Parts 2200-2270).

• Bureau of Mines (mining technology, health and safety, subsidence prediction and control, and land reclamation).

• National Park Service (effects of coal development on National Park System areas and on historic and recreational values):

—Leases, permits and licenses for mining on National Park System lands involved in Wild and Scenic River Systems. 16 U.S.C. 1280.

—Access permits for mining activity within the National Park System. 16 U.S.C. 1902 and 1908 (36 CFR Part 9).

—Easements for rights-of-way across National Park System land. 16 U.S.C. 1, *et seq.* (36 CFR Part 9, *et seq.*).

• Bureau of Reclamation (effects of coal development on water storage and delivery projects):

—Easement/permits for access/rights-of-way. 43 U.S.C. 3871.

• Office of Surface Mining Reclamation and Enforcement (surface coal mining and reclamation; general effects of surface coal mining operations):

—Identification of certain lands considered unsuitable for surface coal mining operations. 30 U.S.C. 1272 (30 CFR Chapter 7, Subchapter F).

—Permits for coal exploration operations on Federal lands within an approved mining permit area, and, if there is no approved State Coal Mining Regulatory Program, on non-Federal and non-Indian lands. 30 U.S.C. 1262 (30 CFR Chapter VII and 43 CFR Part 3400).

—Permits for surface coal mining and reclamation operations (includes underground mines with surface effects) on Federal lands except the States may do this when there is both an approved State Coal Mining Regulatory Program and a Cooperative Agreement between the State and the Secretary of the Interior. 30 U.S.C. 1256, 1267, 1266, 1271 and 1273 (30 CFR Chapter VII).

—Permits for surface coal mining and reclamation operations (includes underground mines with surface effects) on non-Federal lands in those States where there is no approved State Coal Mining Regulatory Program. 30 U.S.C. 1256-1262 (30 CFR Chapter VII).

—Permits for surface coal mining and reclamation operations (includes underground mines with surface effects) on Indian lands. 30 U.S.C. 1300 (30 CFR Chapter VII and 25 CFR Part 216).

—Grants for reclamation of abandoned mined lands. 30 U.S.C. 1231-1235 and 1237-1243 (30 CFR Chapter VII).

Department of Labor

• Mining Safety and Health Administration (safety and health issues in mining operations).

• Occupational Safety and Health Administration (worker safety and health issues):

—Coal tar pitch volatiles. 29 U.S.C. 655, *et seq.* (29 CFR Part 1910.1002).

Department of State (international aspects of coal development):

—Facilities for export/import of coal. E.O. 11423.

Department of Transportation

• Coast Guard (vessel transport of coal):

—Construction and alterations of bridges and causeways over navigable waters. 33 U.S.C. 491, *et seq.*; 511, *et seq.*; 525, *et seq.*, and 535 (33 CFR Part 114, *et seq.*).

—Ports and waterways safety. 33 U.S.C. 1221 (33 CFR Part 160, *et seq.*).

• Federal Highway Administration (coal haul roads; effects of railroad coal transport on roads and streets).

• Federal Railroad Administration (railroad transport of coal).

- Maritime Administration (bulk shipping of coal and other minerals in the inland waterways, domestic oceans, Great Lakes, and U.S. foreign trade).

Advisory Council on Historic Preservation (effects of coal development on historic properties).

Environmental Protection Agency (pollution control and environmental effects of coal development)

—For jurisdictional responsibilities see PART I. A.—Air Quality, PART I. B.—Water Quality, and PART I. C.—Waste Disposal on Land.

Interstate Commerce Commission (regulation of coal rail-carriers and rates; impacts from railroad construction for moving coal, including downline impacts).

Tennessee Valley Authority (coal development in the Tennessee Valley region).

D. Uranium (Exploration, Mining, Transport and Use)

Department of Agriculture

- Forest Service (uranium in National Forests and Grasslands):

—Permits and rights-of-way on National Forest System lands. 16 U.S.C. 471–472, 478, 495, 497–498, 525, 528, 531–538, 551, 572 and 580 (36 CFR Parts 212, 251 and 261).

—Surface use of public domain lands under U.S. mining laws. 16 U.S.C. 478 and 551 (36 CFR Part 228).

—Mineral development on acquired lands. For solid (hardrock) minerals—16 U.S.C. 520 (43 CFR Part 3500); for phosphate, sodium, potassium and sulphur—30 U.S.C. 351, *et seq.*

- Soil Conservation Service (abandoned mine land, mine reclamation, and transportation).

Department of Commerce

- National Oceanic and Atmospheric Administration (air and water pollution from mining; offshore and coastal mining; port planning; management and protection of coastal and marine resources):

—Approval of licenses for deep seabed hard mineral exploration and development. 30 U.S.C. 1401, *et seq.* (15 CFR Part 970).

Department of Defense

- Army Corps of Engineers (effects of uranium mining on navigable waters):

—For jurisdictional responsibilities, see PART I. B.—Water Quality.

Department of Energy

- Office of Policy, Safety, and Environment (general energy policies, programs and projects).

- Office of Civilian Radioactive Waste Management (management of commercial radioactive wastes).

- Office of Defense Programs (management of Defense radioactive wastes)

- Office of Nuclear Energy (nuclear energy in general).

Department of Housing and Urban Development

- Office of Housing (subsidence from mining operations and soil factors related to housing).

Department of the Interior

- Fish and Wildlife Service (effects of uranium mining on endangered species and their critical habitats, National Wildlife Refuge and National Fish Hatchery System areas, and other fish and wildlife resources):

—Easements/permits on National Wildlife Refuge and National Fish Hatchery System land. 16 U.S.C. 668 *dd, et seq.*; 43 U.S.C. 931 *c* and *d* (50 CFR Parts 25.41 and 29.21).

—Permits for rights-of-way across National Wildlife Monuments (Alaska only). 18 U.S.C. 432, 460(k–3) and 742(f) (50 CFR Part 96).

- Geological Survey (uranium resources in general).

- Bureau of Indian Affairs (uranium on Indian lands):

—Leases and permits on Indian lands. 25 U.S.C. 380, 393–395, 397, 402–403, 413, 415, 477 and 635 (25 CFR Part 162).

—Rights-of-way over Indian lands. 25 U.S.C. 311–321 and 323–328 (25 CFR Part 169).

—Mining leases on Indian lands. 25 U.S.C. 356, 396, 476–477 and 509 (25 CFR Parts 211–215 and 226–227).

—Surface exploration and reclamation. 25 U.S.C. 355, 396, 473 and 501–502 (25 CFR Part 216).

- Bureau of Land Management (uranium on public lands):

—Exchange of Federal lands with coal or uranium deposits. 43 U.S.C. 1716 (43 CFR Parts 2200–2270).

—Leases for uranium exploration and mining. 30 U.S.C. 181, 351–359 and 1201, *et seq.* (43 CFR Parts 3500–3800).

—Approval of plan of operations in connection with uranium leases. 30 U.S.C. 22, *et seq.*; 30 U.S.C. 181, *et seq.*; and 43 U.S.C. 1701, *et seq.* (43 CFR Parts 3570 and 3802).

—Easements/leases/permits for use, occupancy and development of public lands. 43 U.S.C. 1732 (43 CFR Subchapter 2000 and 3000).

—Exploration licenses to explore for uranium and other leasable minerals on unleased lands. 30 U.S.C. 181, *et seq.*, and 201(b) (43 CFR Parts 3400 and 3480).

—Leases, permits and licenses for mining in Wild and Scenic River System areas. 16 U.S.C. 1280 (each area has special Federal Regulations).

—Concurrence for mining use of public lands withdrawn or reserved for power development or for a power site. 30 U.S.C. 821 (43 CFR Part 3730).

—Easements/permits for rights-of-way. 30 U.S.C. 185 and 43 U.S.C. 1701, *et seq.* (43 CFR Parts 2800–2900).

- Bureau of Mines (uranium mining in general).

- National Park Service (effects of uranium mining on public park and recreation values; on historic, archeological and architectural sites; and on National Park System areas):

—Permits, leases, and easements for rights-of-way. 16 U.S.C. 1, *et seq.* (36 CFR Part 9, *et seq.*).

—Leases, permits and license for mining on National Park System lands involved in Wild and Scenic River Systems. 16 U.S.C. 1280.

—Access permits for mining activity within the National Park System. 16 U.S.C. 1902 and 1908; 30 U.S.C. 21, *et seq.* (36 CFR Part 9).

- Bureau of Reclamation (effects of uranium mining on water storage and delivery projects):

—Easements/permits for access, pipeline, and other rights-of-way. 43 U.S.C. 3871.

Department of Labor

- Mining Safety and Health Administration (safety and health issues in mining operations).

- Occupational Safety and Health Administration (general worker safety and health issues):

—General industrial, and construction standards. 29 U.S.C. 655, *et seq.* (29 CFR Parts 1910 and 1926).

Department of State (international aspects of uranium mining):

—Facilities for export/import of minerals. E.O. 11423.

Department of Transportation

- Coast Guard (vessel transport of minerals):

—Construction and alterations of bridges and causeways over navigable waters. 33 U.S.C. 491, *et seq.*; 511, *et seq.*; 525, *et seq.*, and 535 (33 CFR Part 114, *et seq.*).

—Ports and waterways safety. 33 U.S.C. 1221 (33 CFR Part 160, *et seq.*).

Advisory Council on Historic Preservation (effects of uranium mining on historic properties):

Environmental Protection Agency (pollution control and environmental effects of uranium mining):

—For jurisdictional responsibilities, see Part I. A.—Air Quality, PART I. B.—Water Quality, PART I. C.—Waste Disposal on Land, and PART I. E.—Radiation.

Nuclear Regulatory Commission (nuclear power development in general):

—Licensing uranium milling operations. 42 U.S.C. 2091 *et seq.* (10 CFR Part 40).

Tennessee Valley Authority (uranium mining and milling).

E. Geothermal Resources (Development, Transmission, and Use)

Department of Agriculture

- Forest Service (effects of geothermal resource development on National Forests and Grasslands):

—Leases for geothermal resource developments. 30 U.S.C. 1014.

—Permits and rights-of-way on National Forest System lands. 16 U.S.C. 471–472, 478, 495, 497–498, 525, 538, 531–538, 551, 572 and 580 (36 CFR Parts 212, 251 and 261).

Department of Commerce

- National Oceanic and Atmospheric Administration (air and water pollution from geothermal development).

Department of Defense

- Army Corps of Engineers (effects of geothermal development on navigable waters):

—For jurisdictional responsibilities, see PART I. B.—Water Quality.

Department of Energy

- Office of Policy, Safety, and Environment (general energy policies, programs and projects).

- Office of Conservation and Renewable Energy (research and development on geothermal energy sources).

Department of the Interior

- Fish and Wildlife Service (effects of geothermal development on endangered species and their critical habitats, National Wildlife Refuge and National Fish Hatchery System areas, and other fish and wildlife resources):

—Easements/permits on National Wildlife Refuge and National Fish Hatchery System land. For refuges—16 U.S.C. 668 dd, *et seq.*, for hatcheries—43 U.S.C. 931 c and d (50 CFR Parts 25.41 and 29.21).

—Permits for rights-of-way across National Wildlife Monuments (Alaska only). 16 U.S.C. 432, 460(k-3) and 742(f) (50 CFR Part 96).

- Geological Survey (geothermal resources in general).

- Bureau of Indian Affairs (geothermal development on Indian lands):

—Leases and permits on Indian lands. 25 U.S.C. 380, 393-395, 397, 402-403, 413, 415, 477 and 635 (25 CFR Part 162).

—Rights-of-way over Indian lands. 25 U.S.C. 311-321 and 323-328 (25 CFR Part 169).

- Bureau of Land Management (geothermal development on public lands):

—Permits for geothermal resources exploration. 30 U.S.C. 1023 (43 CFR Part 3260).

—Leases for geothermal resources recovery. 30 U.S.C. 1001-1025 (43 CFR Parts 3200-3250, 3260 and 3280).

—Licenses for geothermal powerplants. 30 U.S.C. 1001-1025 (43 CFR Part 3250).

—Easements/leases/permits for use, occupancy and development of public lands. 43 U.S.C. 1732 (43 CFR Subchapter 2000 and 3000).

Easements/permits for rights-of-way. 30 U.S.C. 185 and 43 U.S.C. 1701, *et seq.* (43 CFR Parts 2800-2900).

- Bureau of Mines (recovery of mineral values in geothermal operations; materials for construction of geothermal facilities).

- National Park Service (effects of geothermal development on public park and recreation values, on historic, archeological and architectural sites, and on National Park System areas).

- Bureau of Reclamation (alternative energy studies; coordination of geothermal operations with hydroelectric generation):

—Easements/permits for access, pipeline, and other rights-of-way. 43 U.S.C. 3871.

Department of Labor

- Occupational Safety and Health Administration (worker safety and health issues):

—General industrial and construction standards. 29 U.S.C. 655, *et seq.* (29 CFR Parts 1910 and 1926).

Advisory Council on Historic Preservation (effects of geothermal development on historic properties).

Environmental Protection Agency (pollution control and environmental effects of geothermal development):

—For jurisdictional responsibilities, see PART I. A.—Air Quality, PART I. B.—Water Quality, and PART I. C.—Waste Disposal on Land.

F. Other Energy Sources—Solar, Wind, Biomass, etc. (Development and Use)

Department of Agriculture

- Agricultural Research Service (utilization of biomass, wastes, solar, and wind energy sources in agricultural production).

- Farmers Home Administration (small hydro, solar, and wind projects):

—Approval of plans and specifications for FMA-funded projects. 7 U.S.C. 1942 (7 CFR Parts 1924, 1942 and 1944).

- Forest Service (uses and rights-of-way on National Forests and Grasslands):

—Permits and rights-of-way on National Forest System lands. 16 U.S.C. 471-472, 478, 495, 497-498, 525, 528, 531-538, 551, 572 and 580 (36 CFR Parts 212, 251 and 281).

- Office of Energy (general energy policies related to agriculture):

—Solar and wind energy facility siting. 16 U.S.C. 470 (36 CFR Part 200).

Department of Commerce

- National Oceanic and Atmospheric Administration (coastal energy facility planning and siting; basic weather data and research):

—Approval of licenses for siting, design, and operation of ocean-thermal energy facilities. 42 U.S.C. 9101, *et seq.* (15 CFR Part 981).

Department of Energy

- Office of Policy, Safety, and Environment (general energy policies, programs and projects).

- Office of Conservation and Renewable Energy (research and development programs on alternative energy sources).

Department of Housing and Urban Development

- Office of Community Planning and Development (alternative energy policy, including district heating and cogeneration; demonstration programs; research; technical assistance and feasibility studies; building rehabilitation and retrofit; assistance for community and economic development):

—Housing and Community Development Act of 1974. 42 U.S.C. 5301, *et seq.* (24 CFR Part 570).

—Urban Development Action Grant Handbook, HUD 6050.1 of Oct. 1982.

- Solar Energy and Energy Conservation Bank (assistance for energy conservation improvements to residential, commercial, and agricultural buildings, including solar energy systems):

—Energy Security Act of 1980. 12 U.S.C. 3601, *et seq.* (24 CFR Part 1800, *et seq.*).

Department of the Interior

- Fish and Wildlife Service (effects of alternative energy development on endangered species and their critical habitats, National Wildlife Refuge and National Fish Hatchery System areas, and other fish and wildlife resources).

- Geological Survey (geology and hydrologic siting constraints for alternative energy development).

- Bureau of Indian Affairs (alternative energy development on Indian lands).

- Bureau of Land Management (alternative energy development on public lands):

—Licenses for synthetic liquid fuel facilities. 30 U.S.C. 323.

—Solar energy facility siting. 43 U.S.C. 1761.

- National Park Service (effects of alternative energy development on park and recreation values on historic, archeological and architectural sites, and on National Park System areas).

- Bureau of Reclamation (alternative energy studies; coordination of operations with hydroelectric generation).

Department of Labor

- Occupational Health and Safety Administration (worker safety and health issues):

—General industrial and construction standards. 29 U.S.C. 655, *et seq.* (29 CFR Parts 1910 and 1926).

Advisory Council on Historic Preservation (effects of alternative energy development on historic properties).

Environmental Protection Agency (pollution control and environmental effects of alternative energy development):

—For jurisdictional responsibilities, see PART I.—POLLUTION CONTROL.

G. Energy Conservation

Department of Agriculture

- Extension Service (rural family energy conservation).

- Farmers Home Administration (energy conservation in relation to agency funded projects).

- Forest Service (energy conservation in National Forests and Grasslands).

- Office of Energy (general agricultural energy policies).

- Rural Electrification Administration (energy conservation in relation to power development in rural areas).

Department of Commerce

- National Bureau of Standards (energy efficiency objectives and standards).

- National Oceanic and Atmospheric Administration (heating fuel usage forecasting; weather forecasting in relation to energy conservation).

Department of Energy

- Office of Policy, Safety, and Environment (general energy policies, programs and projects).

- Office of Conservation and Renewable Energy (energy efficiency of transportation, building, and industrial systems; assistance programs for energy planning and conservation):

—Energy conservation standards for new buildings. 42 U.S.C. 6834 (10 CFR Part 450, *et seq.*).

- Bonneville Power Administration (energy conservation studies in the Pacific Northwest)

—Regional planning and conservation. 16 U.S.C. 839, *et seq.*

Department of Housing and Urban Development

- Office of Community Planning and Development (energy conservation policy; demonstration and research programs; technical assistance; assistance for community and neighborhood development, economic development, public facilities, residential and commercial rehabilitation and retrofit for energy efficiency; comprehensive energy use strategies):

—Housing and Community Development Act of 1974. 42 U.S.C. 5301, *et seq.* (24 CFR Part 570).

—Urban Development Action Grant Handbook. HUD 6050.1 of Oct. 1982.

—Housing Act of 1937. 42 U.S.C. 1401, *et seq.*

- Solar Energy and Energy Conservation Bank (assistance for energy conservation improvements to residential, commercial, and agricultural buildings, including solar energy systems):

—Energy Security Act of 1980. 12 U.S.C. 3601, *et seq.* (24 CFR Part 1800, *et seq.*).

- Office of Manufactured Housing and Construction Standards (building materials; new materials standards and performance criteria).

- Office of Policy Development and Research (building energy technology).

- Office of Public Housing (energy factors in rehabilitation and retrofitting; urban energy studies).

Department of the Interior

- Fish and Wildlife Service (energy conservation in National Wildlife Refuge and National Fish Hatchery System areas, and effects of energy conservation projects on endangered species and critical habitats).

- Bureau of Indian Affairs (energy conservation on Indian lands).

- Bureau of Land Management (energy conservation on public lands).

- National Park Service (energy conservation in National Park System areas; effects of energy conservation on historic, archeological, and architectural sites, and on park and recreation values).

- Bureau of Reclamation (energy conservation in relation to hydroelectric power development, and water storage and delivery systems).

Department of Transportation

- Federal Aviation Administration (aviation energy conservation and energy-use assessments).

- Federal Highway Administration (energy conservation in relation to highway systems).

- National Highway Traffic Safety Administration (fuel economy standards for motor vehicles):

—Fuel economy standards. 15 U.S.C. 2001, *et seq.* (49 CFR Parts 525–527, 531, 533 and 537).

- Research and Special Programs Administration: Transportation Systems Center (energy conservation and transportation systems in general).

- Urban Mass Transportation Administration (energy conservation in relation to urban transportation systems).

- Advisory Council on Historic Preservation (effects of energy conservation on historic properties).

- Interstate Commerce Commission (assessment of differences in energy efficiencies between transport modes).

- Tennessee Valley Authority (energy conservation in general).

III. LAND USE

A. Land Use Planning, Regulation, and Development

Department of Agriculture

- Agricultural Research Service (effects of agricultural practices on resource quality and off-farm pollution).

- Agricultural Stabilization and Conservation Service (Federally subsidized agricultural conservation and land use programs).

- Economic, Research Service and Statistical Reporting Service (data on natural resources; analysis of the economic impacts of agriculturally related pollution and resource degradation; interactions of environmental programs with other Federal farm policy objectives).

- Extension Service (rural and community development).

- Farmers Home Administration (farmland protection; rural and community development):

—Farmland Protection Policy Act. Secretary's Memorandum 9500–2, *Statement on Land Use Policy* (7 CFR Part 1940).

- Forest Service (effects of adjacent land uses on National Forests and Grasslands):

—Coordination with other public planning efforts. (36 CFR Part 219.7).

- Soil Conservation Service (land use data; soil and water resource condition data and related natural resources data; resource management technology and technical planning assistance for watershed protection):

—Soil, water, and related resource data. 7 U.S.C. 1010a.

—Program for land conservation and utilization. 7 U.S.C. 1011(e).

Department of Commerce

- National Oceanic and Atmospheric Administration (management and protection of coastal and marine resources).

Department of Defense

- Army Corps of Engineers (land use in flood plains and wetlands):

—For jurisdictional responsibilities see PART I.B.—Water Quality.

- Department of the Air Force (land use around military airfields).

Department of Energy

- Office of Policy, Safety, and Environment (effects of energy policies, programs, and projects on adjacent land uses).

Department of Housing and Urban Development

- Office of Community Planning and Development (land use planning; environmental criteria and compatible uses near hazards; noise abatement and mitigation measures):

—Assurances that HUD assisted projects are located in a safe and healthful environment. 42 U.S.C. 1441, *et seq.*

—Siting of HUD assisted projects near hazardous operations handling explosive or flammable materials. (24 CFR Part 51, Subpart C).

—Siting of HUD assisted projects in runway clear zones (civil airports) and clear zones and accident potential zones (military airfields). (24 CFR Part 51, Subpart D).

- Office of Interstate Land Sales (subdivided land sales):

—Subdivided land sales, registration, and disclosure statements. 15 U.S.C. 1701 (24 CFR Part 1700, *et seq.*).

Department of the Interior

- Fish and Wildlife Service (effects of land use on endangered species and their critical habitats, other fish and wildlife resources, and components of the National Wildlife Refuge and National Fish Hatchery Systems):

—Approval of conversion of use for State lands acquired, developed or improved with grants under the: (1) Pittman-Robertson Act, (2) Dingell-Johnson Act, (3) Endangered Species Act and/or (4) Anadromous Fish Conservation Act. For (1)—16 U.S.C. 669 (50 CFR Parts 80.4 and 80.14); for (2)—16 U.S.C. 777 (50 CFR Parts 80.4 and 80.14); for (3)—16 U.S.C. 1535; and for (4)—16 U.S.C. 757(a) and (b).

—Consultation regarding any Federal actions that may directly or indirectly affect a designated coastal barrier. 16 U.S.C. 3501 (for advisory guidelines, see 48 FR 45664 of Oct. 6, 1983).

—Consultation concerning the protection of fish and wildlife refuges, which may be impacted by transportation projects. 49 U.S.C. 303.

—For jurisdictional responsibilities of the Fish and Wildlife Service on Federal lands see PART III, B.—Federal Land Management.

- Geological Survey (land use planning; geologic and hydrologic hazards; flood studies; geologic, topographic, land use, and photographic mapping).

- Bureau of Indian Affairs (effects of land uses on Indian lands):

—Approval of leases and permits on Indian lands. 25 U.S.C. 380, 393–395, 397, 402–403, 413, 415, 477 and 635 (25 CFR Part 162).

—Sale of Indian land. 25 U.S.C. 293–294, 355, 372–73, 378–79, 385–386, 404–405, 463–464, 483 and 608 (25 CFR Parts 152 and 159–160).

—Rights-of-way over Indian lands. 25 U.S.C. 311–321 and 323–328 (25 CFR Part 169).

—Permits concessions, and leases on lands withdrawn or acquired in connection with Indian irrigation projects. 25 U.S.C. 390 (25 CFR Part 173).

—For jurisdictional responsibilities on Federal lands administered by Bureau of

Indian Affairs, see PART III. B.—Federal Land Management.

• Bureau of Land Management (effects of land uses on public lands):

—For jurisdictional responsibilities on Federal lands administered by the Bureau of Land Management, see PART III. B.—Federal Land Management.

• Bureau of Mines (mineral resources and land use).

• National Park Service (effects of land uses on National Park System areas; National Trails System; Wild and Scenic River System; park and recreation areas and values; and historic, archeological and architectural sites):

—Approval of a conversion to a non-designated use for State and local lands acquired or developed, in whole or in part, with a Land and Water Conservation Fund Act grant. 16 U.S.C. 4601.

—Assistance to State and local agencies, through an Urban Park and Recreation Recovery Act grant, for the development and/or improvement of park and recreation areas. 16 U.S.C. 2504 (36 CFR Part 69).

—Approval of a conversion to other than public recreation uses for State and local areas developed or improved with an Urban Park and Recreation Recovery Act grant. 16 U.S.C. 2504 (36 CFR Part 69).

—Consultations regarding land uses and effects on rivers established as units of the National Wild and Scenic Rivers System and on those rivers designated for study as potential additions to that System. 16 U.S.C. 1278, *et seq.*

—Permits for use of National Historic and National Scenic Trails administered by the National Park Service. 16 U.S.C. 1246.

—Approval of a conversion to a non-designated use for lands deeded by the Federal government to State and local entities as park demonstration areas, as recreation areas, as wildlife conservation preserves and refuges and as historic monuments and properties under: (1) Recreation Demonstration Act of 1942 and (2) Federal Property and Administrative Services Act of 1949. For (1)—16 U.S.C. 459 (r-t); for (2)—40 U.S.C. 484(k)(2) (41 CFR Part 101-47).

—Approval of a conversion to a non-designated use of abandoned railroad rights-of-way acquired by State and local governments under Section 809(b) of the Railroad Revitalization and Regulatory Reform Act of 1976. 49 U.S.C. 1(a) (36 CFR Part 64).

—Consultation concerning the protection of park, recreation, and cultural resources which may be impacted by transportation projects. 49 U.S.C. 303.

—For other jurisdictional responsibilities of the National Park Service, see PART III. B.—Federal Land Management.

• Bureau of Reclamation (effects of land use on Federal water storage and distribution projects; planning for water development projects; basin-wide water studies and land use aspects of the National Water Summary):

—Sale of farm units on Federal irrigation projects. (Statutory authority appears in individual project authorizations.)

—Administration of excess lands and residency requirements. 43 U.S.C. 371.

• Office of Surface Mining Reclamation and Enforcement (land use and surface coal mining and reclamation operations):

—For jurisdictional responsibilities of the Office of Surface Mining, see PART II. C.—Coal.

Department of Transportation

Office of the Secretary (general effects of transportation projects on land use):

—Approval of transportation programs or projects that require the use of or have significant impacts on park and recreation areas, fish and wildlife refuges, and historic sites. 49 U.S.C. 303.

• Coast Guard (effects of bridges on land use):

—Permits for bridges and causeways over navigable waters. 33 U.S.C. 491, *et seq.*; 511, *et seq.*; 525, *et seq.*; and 535 (33 CFR Part 114 *et seq.*).

• Federal Aviation Administration (airport land use compatibility):

—Airport aid program. 49 U.S.C. 1711-1727 (14 CFR Part 152).

—Acquisition of U.S. land for public airports. 49 U.S.C. 1723 (14 CFR Part 154).

—Notice of construction, alteration, activation, and deactivation of airports 49 U.S.C. 1350, 1354 and 1355 (14 CFR Part 157).

—Objects affecting navigable airspace. 49 U.S.C. 1655 (14 CFR Part 77).

—Release of airport property from surplus property disposal restrictions. 49 U.S.C. 1101-1119 (14 CFR Part 155).

• Federal Highway Administration (effects of highways on land use):

—Approval of highway projects and programs. 23 U.S.C. 101-156, generally, and 23 U.S.C. 201-219.

—Consultations, in cooperation with the Urban Mass Transportation Administration, with State and local officials concerning urban transportation related systems. 23 U.S.C. 105(d) and 134(a); 49 U.S.C. 1604(g) (23 CFR Part 450).

—Regulation of highway-related land use. For highway beautification—23 U.S.C. 131 (23 CFR Part 750); for junkyard control and acquisition—23 U.S.C. 136 (23 CFR Part 751); for landscape and roadside development—23 U.S.C. 131 and 319 (23 CFR Part 752); for protection of parklands, recreation areas, wildlife refuges, and historic sites—23 U.S.C. 138 (23 CFR Part 771).

• Urban Mass Transportation Administration (effects of urban transportation systems on land use):

—Consultation, in cooperation with the Federal Highway Administration, with State and local officials concerning urban transportation related systems. 23 U.S.C. 105(d) and 134(a); 49 U.S.C. 1604(g) (49 CFR Part 613).

—Approval for substituting mass transit or other transit projects in lieu of an interstate highway project. 23 U.S.C. 103(e)(4).

Advisory Council on Historic Preservation (effects of land use planning on historic properties).

Environmental Protection Agency (effects of land use on pollution control and environmental quality):

—For jurisdictional responsibilities see PART I. A.—Air Quality, PART I. B.—Water Quality, and PART I. C.—Waste Disposal on Land.

Federal Emergency Management Agency (national flood insurance program; disaster relief assistance; mitigation of natural hazards).

Federal Energy Regulatory Commission (effects of power projects on land use):

—Regulation of development of water resources. 16 U.S.C. 791-825(r) (18 CFR Parts 4-25, 36, 131 and 141).

International Boundary and Water Commission, United States Section (land use along international boundary with Mexico).

Interstate Commerce Commission (land use and interstate commerce):

—Approval of Public Convenience and Necessity Certificate for new railroad lines. 49 U.S.C. 10901.

National Aeronautics and Space Administration (remote sensing of land use and land cover).

National Capital Planning Commission (land use in the National Capital Region):

—Approval of land-use plans and construction in National Capital Region. 40 U.S.C. 74a (DC Code 9-404, DC Code 8-102); 40 U.S.C. 122 (DC Code 8-111, DC Code 5-432).

Tennessee Valley Authority (land use planning on public lands in Tennessee Valley region; assistance to local planning organizations).

B. Federal Land Management

Department of Agriculture

• Forest Service (National Forests and Grasslands management, including fire management):

—National Forest System Management Planning. 16 U.S.C. 1604 and 1613 (36 CFR Part 219).

—Special use permits, archeological permits, leases and easements. 16 U.S.C. 497 and 580(d); 43 U.S.C. 1761 and 48 U.S.C. 341 (36 CFR Parts 251 and 261).

—Easement and road rights-of-way on National Forests and other lands. 16 U.S.C. 533 (36 CFR Part 212.10).

—Permits for commercial use of existing roads. 16 U.S.C. 537 (36 CFR Part 212).

—Bankhead-Jones Farm Tenant Act, Title III permits on National Grasslands. 7 U.S.C. 1010-12 (36 CFR Part 213.3).

Department of Commerce

• National Oceanic and Atmospheric Administration (consistency of Federal land uses with coastal zone management programs).

Department of Defense (overall management of Department of Defense lands).

• Department of the Army (management of Army lands):

—Permits and leases for use of Army reservations.

—Permits and leases for use and occupancy of lands at water development projects of the Corps of Engineers.

- Department of the Air Force (management of Air Force lands):
 - Permits and leases for use of Air Force reservations.
- Department of the Navy (management of Navy and Marine Corps lands):
 - Permits and leases for uses of naval reservations.

Department of the Interior

- Fish and Wildlife Service (effects of Federal land management on endangered species and their critical habitats and other fish and wildlife resources, management of National Wildlife Refuge and National Fish Hatchery System areas):
 - Easements/permits for right-of-way across National Wildlife Refuge and National Fish Hatchery System land. For refuges—16 U.S.C. 668dd, *et seq.*; for hatcheries—43 U.S.C. 931 c and d (50 CFR Parts 25.41 and 29.21).
 - Permits for rights-of-way across National Wildlife Monuments (Alaska only). 16 U.S.C. 432, 460k-3 and 742(f) (50 CFR Part 96).
 - Permits for off-road vehicular use on National Wildlife Refuge System areas. E.O. 11644 (50 CFR Part 28.34).
 - Consultation concerning the protection of fish and wildlife refuges which may be impacted by transportation projects. 49 U.S.C. 303.
- Geological Survey (Federal land mineral resource potential; wilderness reviews, land-use planning; geologic and hydrologic hazards; flood studies; geologic, topographic, land use, and photographic mapping).
- Bureau of Indian Affairs (effects of Federal land management on Indian lands; management of Bureau of Indian Affairs lands):
 - Sale of Federal land purchased for Indian administrative uses. 25 U.S.C. 293.
 - Rights-of-way over Federal lands under BIA jurisdiction. 25 U.S.C. 323-328 (25 CFR Part 160).
 - Leases for mining, oil and gas, coal, farming and other uses on Federal lands under BIA jurisdiction. 5 U.S.C. 301 and 25 U.S.C. 393, *et seq.* (25 CFR Part 162).
 - For the trust responsibilities of the Bureau of Indian Affairs for Indian lands, see PART III. A.—Land Use Planning, etc.
- Bureau of Land Management (management of Federal lands):
 - Easements/permits for rights-of-way. 43 U.S.C. 9 and 1701, *et seq.* (43 CFR Parts 2800-2900).
 - Special land-use permits for habitation, occupation and other purposes. 43 U.S.C. 1732(b) (43 CFR Part 2920).
 - Conditions and standards for off-road vehicle use on BLM lands. 43 U.S.C. 1201; E.O. 11644 (43 CFR Part 8340).
 - Permits for off-road vehicular use special events, i.e., tours and competitions. 43 U.S.C. 1701, *et seq.*, and 16 U.S.C. 460(1-6a) (43 CFR Part 8372).
 - Exchange of Federal lands for other property. 43 U.S.C. 1716 (43 CFR Parts 2200-2270).
 - Leases/transfers of public lands for a public airport. 43 U.S.C. 1201 and 49 U.S.C. 1115 (43 CFR Part 2640).
 - Sales/leases of Federal land to State and local agencies and non-profit groups for recreational and public purposes. 43 U.S.C. 869, *et seq.* for sales—43 CFR Part 2740; for leases—43 CFR Part 2912).
 - Permits for commercial recreational use of public lands. 43 U.S.C. 1701, *et seq.* (43 CFR Part 8370).
 - Bureau of Mines (mineral land assessment).
 - National Park Service (management of National Park System areas; units of the National Wild and Scenic Rivers System; National Trails System):
 - Permits, leases, and easements of rights-of-way and other uses of National Park System areas. 16 U.S.C. 1, *et seq.* (36 CFR Parts 9 and 14).
 - Permits for commercial operations on National Park System areas. 16 U.S.C. 1, *et seq.* (36 CFR Parts 7, 14, 50 and 51).
 - Permits for off-road vehicular use in National Park System areas. E.O. 11644 (36 CFR Part 7).
 - Consultations regarding use of and effect on rivers established as units of the National Wild and Scenic Rivers System and on those rivers designated for study as potential additions to that System. 16 U.S.C. 1278, *et seq.*
 - Permits for use of National Historic and National Scenic Trails administered by the National Park Service. 16 U.S.C. 1246.
 - Consultation concerning the protection of park, recreation, and cultural resources which may be impacted by transportation projects. 49 U.S.C. 303.
 - Bureau of Reclamation (management of public water storage and delivery projects and recreational developments; irrigation; and impacts of Federal land management of State water planning):
 - Sale or lease of project lands to a governmental entity or a non-profit group for recreational or other public purposes. 43 U.S.C. 869.
 - Lease of project lands for commercial recreational developments. 43 U.S.C. 391, *et seq.*

Department of Transportation

- Office of the Secretary (effects of transportation projects on Federal land):
 - Approval of transportation programs and projects which use a publicly owned park and recreation area, wildlife or waterfowl refuge, or any historic site. 49 U.S.C. 303.
 - Federal Highway Administration (construction and management of Federal Lands Highways, including forest highways and National Park Service roads and parkways):
 - Federal Lands Highways Program. 23 U.S.C. 204 (23 CFR Parts 660 and 667).
- Advisory Council on Historic Preservation (effects of Federal land management on historic properties).
- Environmental Protection Agency (effects of Federal land management on pollution control and environmental quality; pesticide use and integrated pest management on public lands):
 - Underground injection control permits on Indian lands. 42 U.S.C. 300(f), *et seq.*

- Air emissions from Federal facilities. 42 U.S.C. 7418.
- Wastewater discharges from Federal facilities. 33 U.S.C. 1323.
- Solid wastes and hazardous wastes from Federal facilities. 42 U.S.C. 6961.
- Pesticide use of public lands. 7 U.S.C. 136.
- For other jurisdictional responsibilities, see PART I.—POLLUTION CONTROL.

Federal Emergency Management Agency (effects of the National Flood Insurance Program and disaster relief assistance on Federal land management).

General Services Administration

- Public Buildings Service (management of public buildings and property).
- Federal Property Resources Service (public land disposal).

National Aeronautics and Space Administration (advanced technology for remote sensing of land use and land cover).

Tennessee Valley Authority (TVA reservoir property, secondary use of reservoir property, and reservation planning).

C. Coastal Areas

Department of Agriculture

- Farmers Home Administration (housing, community, and business loan programs; and farmer loan programs in coastal areas).
- Forest Service (National Forests in coastal areas).

—Consultations regarding uses and effects on rivers established as units of the National Wild and Scenic Rivers System and on those rivers designated for study as potential additions to that System. 16 U.S.C. 1278, *et seq.*

- Soil Conservation Service (coastal soil stabilization).

Department of Commerce

- National Oceanic and Atmospheric Administration (coastal and marine resources and protection):

—Permits for activities in designated marine sanctuaries. 16 U.S.C. 143, *et seq.* (15 CFR Part 922).

—Approval and funding of State coastal management programs. 16 U.S.C. 1451, *et seq.* (15 CFR Parts 923 and 930).

—Establishment of estuarine sanctuaries. 16 U.S.C. 1461 (15 CFR Part 921).

—Determinations to insure Federal development projects and federally permitted or funded projects are consistent with an approved State coastal zone management plan. 16 U.S.C. 1451 (15 CFR Part 930).

—Grants and loans under Coastal Energy Impact Program. 16 U.S.C. 1456(a) (15 CFR Part 931).

Department of Defense

- Army Corps of Engineers (beach erosion and stabilization; dredge and fill permits; ocean dumping; Refuse Act permits):
- For jurisdictional responsibilities, see PART I. B.—Water Quality.

Department of Energy

- Office of Policy, Safety, and Environment (effects of energy policies, programs and projects on coastal areas).

Department of Housing and Urban Development

- Office of Housing and Office of Community Planning and Development (development in coastal areas; consistency with coastal zone management plans; consistency with Coastal Barrier Resources Act).

Department of the Interior

- Fish and Wildlife Service (effects of coastal land uses on endangered species and their critical habitats, National Wildlife Refuge and National Fish Hatchery System areas, and other fish and wildlife resources):
 - Consultation regarding any Federal actions that may directly or indirectly affect a designated coastal barrier. 16 U.S.C. 3501. (For advisory guidelines, see 48 FR 45664 of Oct. 6, 1983).
 - Consultation regarding Federal projects that may affect an estuarine area 15 U.S.C. 1224.
 - Consultation regarding Federal or Federally permitted projects that affect fish and wildlife resources under the Fish and Wildlife Coordination Act. 16 U.S.C. 661, *et seq.*
 - U.S. Fish and Wildlife Service Mitigation Policy. 16 U.S.C. 661, *et seq.*; 742(a)-754 and 1001-1009 (46 FR 7644 of Jan. 23, 1981).
 - Geological Survey (land use planning; geologic and hydrologic hazards; geologic, topographic, land use, and photographic mapping, including areas of the outer continental shelf and Exclusive Economic Zone).
 - Bureau of Indian Affairs (Indian lands in coastal areas).
 - Bureau of Land Management (public land management in coastal areas).
 - Minerals Management Service (coastal zone planning and management; outer continental shelf lands):
 - Oil, gas, and sulphur exploration, development, and production on the outer continental shelf. (30 CFR Part 250.34).
 - National Park Service (effects of coastal land use on National Park System areas, park and recreation areas, and historical, archeological and architectural sites; barrier island ecology and coastal processes):
 - Identification and listing on the National Registry of Natural Landmarks of nationally significant natural areas in the United States. 16 U.S.C. 461 (36 CFR Part 62).
 - Consultations regarding use of and effects on rivers established as units of the National Wild and Scenic Rivers System and on those rivers designated for study as potential additions to that System. 16 U.S.C. 1278, *et seq.*
 - Bureau of Reclamation (water development projects in coastal areas, effects of water developments and irrigation on estuarine areas).

Department of Transportation

- Coast Guard (bridges, pipelines and transmission lines crossing navigable waters; navigation and deep water ports):
 - Permits for bridges and causeways over navigable waters. 33 U.S.C. 491, *et seq.*; 511, *et seq.*; 525, *et seq.*, and 535 (33 CFR Part 114, *et seq.*).
 - Permits for waterfront facilities. 33 U.S.C. 1221, *et seq.* (33 CFR Parts 125 and 126).
 - Deepwater port regulation and licensing. 33 U.S.C. 1503-1524 (33 CFR Parts 148-150).
 - Maritime Administration (coastal land use in relation to ports).
 - Advisory Council on Historic Preservation (effects of coastal land uses on historic properties).

Environmental Protection Agency (effects of coastal land uses on pollution control and environmental quality):

- For jurisdictional responsibilities see PART I.B.—Water Quality.

Federal Emergency Management Agency (National Flood Insurance Program; floodplain management; uses on sand dunes, mangrove forests and barrier islands; disaster relief assistance).

Federal Energy Regulatory Commission (effects of natural gas transportation, storage, and sale on coastal areas).

Marine Mammal Commission (conservation and protection of marine mammals and their habitat in coastal areas):

- Conservation and oversight responsibility for activities affecting marine mammals. 16 U.S.C. 1402.

National Aeronautics and Space Administration (advanced technology for remote sensing of land use and land cover).

D. Environmentally Sensitive Areas (Wilderness Areas, Wild and Scenic Rivers, Floodplains [see Executive Order 11988], Wetlands [see Executive Order 11990], Barrier Islands, Beaches and Dunes, Unstable Soils, Steep Slopes, Aquifer Recharge Areas, Tundra, etc.)

Department of Agriculture

- Agricultural Research Service (research activities to conserve and assist environmentally sensitive areas).
- Agricultural Stabilization and Conservation Service (commodity and land use programs; Water Bank).
- Farmers Home Administration (housing, community, and business loan programs; farmer loan programs in environmentally sensitive areas).
- Forest Service (management of environmentally sensitive areas on National Forest and Grassland System lands, including fire management):
 - Permits for use of wilderness areas. 16 U.S.C. 472 and 551 (36 CFR Part 293).
 - Consultations regarding use of and effects on rivers established as units of the National Wild and Scenic Rivers System and on those rivers designated for study as potential additions to that System. 16 U.S.C. 1278, *et seq.*
 - Soil Conservation Service (conservation and protection of environmentally sensitive areas in rural regions).

Department of Commerce

- National Oceanic and Atmospheric Administration (management and protection of environmentally sensitive coastal and marine areas):
 - Consultations concerning the protection of threatened and endangered marine species and their critical habitats. 16 U.S.C. 1531, *et seq.* (50 CFR Part 222).
 - Permits for activities in designated marine sanctuaries. 16 U.S.C. 1431, *et seq.* (15 CFR Part 922).
 - Establishment of estuarine sanctuaries. 16 U.S.C. 1461 (15 CFR Part 921).
 - Habitat Conservation Policy (48 FR 53142 of Nov. 25, 1983).

Department of Defense

- Army Corps of Engineers (protection of beaches, wetlands, floodplains, barrier islands):
 - For jurisdictional responsibilities, see PART I.B.—Water Quality.

Department of Health and Human Services

- Public Health Service: Center for Disease Control (environmentally sensitive areas in relation to human health issues).

Department of Housing and Urban Development

- Office of Community Planning and Development (locational criteria for floodplain and wetland development; sole source aquifer and critical habitat; development affecting endangered species and their critical habitats).
- Office of Housing (developable slope and soils criteria).

Department of Interior

- Fish and Wildlife Service (protection of endangered species and their critical habitats; conservation of environmentally sensitive areas in National Wildlife Refuges and National Fish Hatcheries):
 - Consultations regarding any Federal actions that may directly or indirectly affect a designated coastal barrier. 16 U.S.C. 3501 (for advisory guidelines, see 48 FR 45664 of Oct. 6, 1983).
 - Consultations concerning the protection of endangered species and their critical habitats. 16 U.S.C. 1531-1543 (50 CFR Part 402).
 - Determination of critical habitats for endangered and threatened species of fish and wildlife and plants. 16 U.S.C. 1533 (50 CFR Parts 17, 402 and 424).
 - Geological Survey (geologic and hydrologic assessments of sensitive areas, including energy and mineral resources in wilderness areas; earthquake, volcanic and other natural hazards).
 - Bureau of Indian Affairs (environmentally sensitive areas on Indian lands).
 - Bureau of Land Management (environmentally sensitive areas on public lands; management of special areas):
 - Leases, permits and licenses for mining in Wild and Scenic Rivers System areas. 16 U.S.C. 1280 (each area has special Federal Regulations).

—Approval of plan of operations for a mining lease in a wilderness study area. 43 U.S.C. 1701, *et seq.*, and 1782; 12 U.S.C. 1201, *et seq.* (43 CFR Part 3802).

—Permits for use of a designated "special area" as defined in 43 CFR Part 8372.0-5(g), 43 U.S.C. 1701, *et seq.*; 16 U.S.C. 460 (1-6a) and 670 (g-n) (43 CFR Part 8370 *et seq.*).

—Restrictions on use of "outstanding natural areas" and "primitive areas." 43 U.S.C. 1701, *et seq.* (43 CFR Subpart 8352).

- National Park Service (historical and recreational values; Wild and Scenic Rivers System; National Trails System; National Park System areas):

—Identification and listing on the National Registry of Natural Landmarks of nationally significant natural areas in the United States. 16 U.S.C. 461 (36 CFR Part 62).

—Leases, permits, and licenses for mining on National Park System lands involved in Wild and Scenic Rivers System. 16 U.S.C. 1280.

—Consultations regarding use of and effect on rivers established as units of the National Wild and Scenic Rivers System and on those rivers designated for study as potential additions to that System. 16 U.S.C. 1278, *et seq.*

—Permits for use of National Historic and National Scenic Trails administered by the National Park Service. 16 U.S.C. 1246.

- Bureau of Reclamation (water resource planning and water storage and delivery projects in environmentally sensitive areas; National Water Summary).

- Office of Surface Mining Reclamation and Enforcement (surface coal mining and reclamation operations in environmentally sensitive areas):

—Identification of lands considered unsuitable for all or certain stipulated methods of coal mining involving surface coal mining operations. 30 U.S.C. 1272(e) (30 CFR Chapter 7, Subchapter F).

—Protection of prime farmlands during surface coal mining and reclamation operations. 30 U.S.C. 1265 (30 CFR Parts 785.17 and 823).

Department of Transportation

- Office of Secretary (effects of all types of transportation projects on environmentally sensitive areas),

- Coast Guard (port facilities and bridges in environmentally sensitive areas):

—Establishment of port access routes in environmentally sensitive areas. 33 U.S.C. 1221.

- Federal Highway Administration (highways in environmentally sensitive areas):

—Mitigation of impacts to privately owned wetlands. 23 U.S.C. 109; Executive Order 11990 (23 CFR Part 777).

Advisory Council on Historic Preservation (effects of activities in sensitive areas on historic properties).

Environmental Protection Agency (pollution control and environmental effects on wetlands, floodplains, prime agricultural lands, and other environmentally sensitive areas):

—For jurisdictional responsibilities. see PART I. A.—Air Quality, PART I. B.—Water Quality, and PART I. C.—Waste disposal on Land.

Federal Emergency Management Agency (National Flood Insurance Program; floodplain management; uses on sand dunes, mangrove forests, and barrier islands; disaster relief assistance).

National Science Foundation (conservation of Antarctic animals, plants, and ecosystems):

—Permits for the taking or collecting of Antarctic animals and plants, and for entry into certain designated areas. 16 U.S.C. 2401, *et seq.* (45 CFR Part 670).

Tennessee Valley Authority (Protection and management of environmentally sensitive areas in the Tennessee Valley region).

E. Outdoor Recreation

Department of Agriculture

- Forest Service (recreation in National Forests and Grasslands):

—Use of recreation areas. (36 CFR Parts 291, 292 and 294).

—Permits for use of wilderness areas. 16 U.S.C. 472 and 551 (36 CFR Part 293).

—Conditions and requirements for use of National Forest road and trail system. 16 U.S.C. 537 (36 CFR Part 212).

—Permits for use of National Scenic Trails administered by Forest Service. 16 U.S.C. 1246.

—Permits for hunting and fishing in fish and wildlife refuge lands. 16 U.S.C. 551 and 683.

—Conditions and standards for off-road vehicle use on National Forest System lands. 16 U.S.C. 551; E.O. 11644 (36 CFR Part 295).

—Consultations regarding use of and effects on rivers established as units of the National Wild and Scenic Rivers System and on those rivers designated for study as potential additions to that System. 16 U.S.C. 1278, *et seq.*

- Soil Conservation Service (recreation and watershed protection; planning assistance to private landowners):

—Assistance to State and local sponsors, through a Small Watershed Program grant, for reservoir and stream modification projects including development of basic public recreation facilities. 16 U.S.C. 1001, *et seq.* and 33 U.S.C. 701-1.

Department of Commerce

- National Oceanic and Atmospheric Administration (marine recreational fishing; coastal access planning in State coastal zone management programs).

Department of Defense

- Army Corps of Engineers (recreational areas on Corps project lands):

—Permits for activities and developments on water resources development projects. 16 U.S.C. 460(d) (36 CFR Parts 313 and 327).

Department of Health and Human Services

- Public Health Service: Center for Disease Control (outdoor recreation and health).

Department of Housing and Urban Development

- Office of Community Planning and Development (outdoor recreation in urban areas):

—Approval of a conversion to a non-designated use for State and local lands acquired or developed, in whole or in part, with an Open Space Land Program grant. 42 U.S.C. 1500-1500e.

Department of the Interior

- Fish and Wildlife Service (effects of recreation on endangered species and their critical habitats, and other fish and wildlife resources; recreation on National Wildlife Refuge and National Fish Hatchery System lands):

—Permits for special uses including concessions and other recreational facilities on National Wildlife Refuge System lands. 16 U.S.C. 668dd, *et seq.* (50 CFR Part 25.41, *et seq.*).

—Permits for off-road vehicular use on National Wildlife Refuge System lands. E.O. 11644 (50 CFR Part 26.34).

—Consultation concerning the protection of fish and wildlife refuges which may be impacted by transportation projects. 49 U.S.C. 303.

- Geological Survey (effects of water quality and erosion on recreation).

- Bureau of Indian Affairs (outdoor recreation on Indian lands).

- Bureau of Land Management (outdoor recreation on public lands generally, including ORV use and river management):

—Leases and sale of Federal land to State and local agencies and non-profit groups for recreational and public purposes. 43 U.S.C. 869, *et seq.* (For sales—43 CFR Part 2740; for leases—43 CFR Part 2912).

—Conditions and standards for off-road vehicle use on BLM lands. 43 U.S.C. 1201; E.O. 11644 (43 CFR Part 8340).

—Permits for off-road vehicular use special events, i.e., tours and competitions. 43 U.S.C. 1701, *et seq.*, and 16 U.S.C. 460 (1-6a) (43 CFR Part 8372).

—Permits for use of a national trail, developed facility and a designated "special area" as defined in 43 CFR Part 8372.0-5(g), 43 U.S.C. 1701, *et seq.*; 16 U.S.C. 460 (1-6a) and 670 (g-n) (43 CFR Part 8370).

—Permits for commercial recreation use of public lands. 43 U.S.C. 1701, *et seq.* (43 CFR Part 8370).

- National Park Service (outdoor recreation, urban parks, Wild and Scenic Rivers System, National Trails System; recreation in National Park System areas):

—Assistance to State and local agencies, through Land and Water Conservation Fund Act grants, for the acquisition and/or development of park and recreation areas and/or facilities. 16 U.S.C. 4601.

—Approval of a conversion to a non-designated use for State and local lands acquired or developed, in whole or in part, with a Land and Water Conservation Fund Act grant. 16 U.S.C. 4601.

—Assistance to State and local agencies, through Urban Park and Recreation Recovery Act grants, for the development

—Recreational boating regulations and permits. 46 U.S.C. 1451 (33 CFR Part 173. *et seq.*).

• Federal Highway Administration (effects of highways on parks and recreation areas):

—Special protection considerations for public park and recreation areas. 23 U.S.C. 138 and 49 U.S.C. 303 (23 CFR Part 771).

—Access highways to public recreation areas on lakes. 23 U.S.C. 155.

Advisory Council on Historic Preservation (effects of recreational activities and development on historic properties).

Environmental Protection Agency (pollution control and environmental quality in relation to outdoor recreation):

—For jurisdictional responsibilities, see PART I—POLLUTION CONTROL.

National Capital Planning Commission (recreation in the Washington, D.C. area):

—Approval of land use plans and construction in the National Capital Region. 40 U.S.C. 74a (D.C. Code 9-404, D.C. Code 8-102); 40 U.S.C. 122 (D.C. Code 8-11, D.C. Code 5-432).

Tennessee Valley Authority (recreation on public lands and waters in Tennessee Valley Region).

F. Community Development

Department of Agriculture

• Agricultural Stabilization and Conservation Service (rural development and farm programs).

• Extension Service (rural and community development programs).

• Farmers Home Administration (rural and community development programs).

• Forest Service (programs to assist in coordinating development of communities in and adjacent to National Forest System areas; urban forestry).

• Soil Conservation Service (soil and related resource surveys; land conservation and utilization):

—Soil, water, and related resource data. 7 U.S.C. 1010a.

—Program for land conservation and utilization. 7 U.S.C. 1011(e).

Department of Commerce

• Economic Development Administration (community development programs in designated areas).

• National Oceanic and Atmospheric Administration (energy development impacts on communities):

—Approval and funding of State coastal zone management programs. 16 U.S.C. 1451, *et seq.* (15 CFR Parts 130 and 923).

Department of Health and Human Services

• Center for Disease Control (community health issues).

• Office of Human Development Services (problems of handicapped, aged, children and Native Americans).

Department of Housing and Urban Development

• Office of Community Planning and Development (community development; effects on low income populations; economic revitalization in distressed areas; density and

congestion mitigation; rehabilitation and urban homesteading):

—Assurances that HUD assisted projects are located in a safe and healthful environment. 42 U.S.C. 1441, *et seq.*

—Housing and Community Development Act of 1974. 42 U.S.C. 5301, *et seq.* (24 CFR Part 570).

—Approval of a conversion to a non-designated use for State and local lands acquired or developed, in whole or in part, with an Open Space Land Program grant. 42 U.S.C. 1500-1500e.

Department of the Interior

• Fish and Wildlife Service (effects of community developments on endangered species and their critical habitats, other fish and wildlife resources, and National Wildlife Refuge and National Fish Hatchery System areas).

• Geological Survey (effects of development on water resources and erosion; geologic and hydrologic hazards, including floods, subsidence, sink holes, landslides, and earthquakes).

• Bureau of Indian Affairs (community development for Indian peoples and on Indian lands).

• Bureau of Land Management (community developments on public lands):

—Leases and sale of Federal land to State and local agencies and non-profit groups for recreational and public purposes. 43 U.S.C. 869, *et seq.* (For sales—43 CFR Part 2740, for leases—43 CFR Part 2912).

—Leases/transfers of public lands for a public airport. 49 U.S.C. 1115 (43 CFR Part 2640).

—Exchange of Federal lands for other property. 43 U.S.C. 1716 (43 CFR Part 2200-2270).

• National Park Service (effects of community developments on natural and historic landmarks, archeological remains, outdoor recreation, urban parks, historic preservation, and National Park System areas):

—Approval of a conversion to a non-designated use for State and local lands acquired or developed, in whole or in part, with a Land and Water Conservation Fund Act grant. 16 U.S.C. 4601.

—Approval of a conversion to other than a public recreation use for State and local areas developed or improved with an Urban Park and Recreation Recovery Act grant. 16 U.S.C. 2504 (36 CFR Part 69).

—Approval of a conversion to a non-designated use for lands deeded by the Federal government to State and local entities as park demonstration areas, recreation areas, wildlife conservation preserves and refuges and as historic monuments and properties under the (1) Recreation Demonstration Act of 1942 and (2) Federal Property and Administrative Services Act of 1949. For (1)—16 U.S.C. 459 r-t; for (2)—40 U.S.C. 484(k)(2) (41 CFR Part 101-47).

—Approval of a conversion to a non-designated use of abandoned railroad right-of-way acquired by State and local governments under Section 809(b) of the

Railroad Revitalization and Regulatory Reform Act of 1976. 49 U.S.C. 1a (36 CFR Part 64).

- Assistance for the acquisition, rehabilitation, restoration and reconstruction of historic properties. 16 U.S.C. 470, *et seq.* (36 CFR Parts 60.3 and 68).
 - Bureau of Reclamation (water storage, delivery, and irrigation systems for community development purposes);
- Sales of farm units on Federal irrigation projects (Statutory jurisdiction appears in individual project authorizations).
- Sale or lease of project lands to a governmental entity or nonprofit group for recreational or other public purposes. 43 U.S.C. 869.
 - Office of Surface Mining Reclamation and Enforcement (effects of surface mining and reclamation operations on community development).

Department of Transportation

- Federal Aviation Administration (effects of airport development and use on communities):
 - Approval of an airport noise compatibility program. 49 U.S.C. 2101, *et seq.* (14 CFR Part 150).
 - Federal Highway Administration (effects of highways on communities):
 - Relocation assistance in connection with highway projects. 42 U.S.C. 4601 *et seq.* (23 CFR Part 740 and 49 CFR Part 25).
 - Grants for economic growth center development highways. 23 U.S.C. 143.
 - Urban Mass Transportation Administration (effects of urban transportation systems on communities):
 - Grants for Urban Mass Transportation Act projects. 49 U.S.C. 1610, *et seq.*
- ACTION** (effects of community development on low income populations).

Advisory Council on Historic Preservation (effects of community development on historic properties).

Environmental Protection Agency (air, noise, and water pollution control relating to community development):

—For jurisdictional responsibilities, see PART I—POLLUTION CONTROL.

Federal Emergency Management Agency (National Flood Insurance Program; disaster relief assistance; mitigation of natural hazards).

General Services Administration

- Public Building Service (building design, construction, and use).
- Interstate Commerce Commission** (effects of rail line construction and abandonment on community development).
- National Capital Planning Commission** (community developments in the Washington, D.C. area):
 - Approval of land use plans and construction in the National Capital Region. 40 U.S.C. 74a (DC Code 9-404, DC Code 8-102); 40 U.S.C. 122 (D.C. Code 8-111, DC Code 5-432).
 - National Endowment for the Arts** (effects of development on artistic values).

G. Historic, Architectural, and Archeological Resources

Department of Agriculture

- Office of the Secretary (protection of archeological resources):
 - Permits and procedures for the recovery and preservation of archeological resources on Department of Agriculture lands. 16 U.S.C. 470 aa-ll (36 CFR Part 296).
 - Agricultural Stabilization and Conservation Service (effects on historic and archeological resources from agriculture).
 - Farmers Home Administration (effects of housing, community, and business programs, and farmer programs on cultural resources).
 - Forest Service (protection of historic and archeological resources in National Forests and Grasslands):
 - Special-use permits, archeological permits, leases and easements. 16 U.S.C. 497 and 580(d); 43 U.S.C. 1761; 48 U.S.C. 341 (36 CFR Parts 251 and 261).
 - Soil Conservation Service (effects of agriculture on cultural resources).

Department of Commerce

- National Oceanic and Atmospheric Administration (areas for preservation and restoration under State coastal zone management programs):
 - National Marine Sanctuaries. 16 U.S.C. 1431 (15 CFR Part 922).
 - National Estuarine Sanctuaries. 16 U.S.C. 1461 (15 CFR Part 921).

Department of Defense

- Office of the Secretary (protection of archeological resources):
 - Permits/procedures for recovery and preservation of archeological resources on Department of Defense lands. 16 U.S.C. 470 aa-ll (32 CFR Part 229).

Department of Housing and Urban Development

- Office of Community Planning and Development (protection of historic and architectural resources in developed areas):
 - Housing and Community Development Act of 1974. 42 U.S.C. 5304(f) (24 CFR Part 58).

Department of the Interior

- Fish and Wildlife Service (cultural resource management on National Wildlife Refuge and National Fish Hatchery System lands, and effects of cultural resource management on endangered species and critical habitats):
 - Special use permit for antiquities search and collection activities—in addition to an antiquity permit. 16 U.S.C. 668(dd), *et seq.* (50 CFR Part 25.41); also see 16 U.S.C. 470 aa-ll (43 CFR Part 7).
 - Geological Survey (paleontological resources in general).
 - Bureau of Indian Affairs (protection of historic and archeological resources on Indian and Native American lands):
 - Concurrence for issuance and supervision of antiquity permits on Indian lands. 16 U.S.C. 432 (25 CFR Part 261); also see 16 U.S.C. 470 aa-ll (43 CFR Part 7).
 - Protection of access to sacred sites, use and possession of sacred objects and other rights of the American Indian, Eskimo, Aleut, and Native Hawaiian. 42 U.S.C. 1996.
 - Bureau of Land Management (cultural resource management on public lands):
 - Concurrence for issuance and supervision of antiquity permits. 16 U.S.C. 432 (43 CFR Part 3); also see 16 U.S.C. 470 aa-ll (43 CFR Part 7).
 - Minerals Management Service (protection of cultural resources on outer continental shelf lands):
 - Outer Continental Shelf Lands Act. 43 U.S.C. 1331 (30 CFR Parts 250 and 251).
 - National Park Service (protection of historic, archeological, architectural and paleontological properties; cultural resource management on National Park System lands):
 - Nominations to and determinations of eligibility of properties for inclusion in the National Register of Historic Places. 16 U.S.C. 470, *et seq.* (36 CFR Part 60 and 63).
 - Approval of procedures in State and local government historic preservation programs. 16 U.S.C. 470, *et seq.* (36 CFR Part 61).
 - National Historic Landmarks Program—nominations and designations. 16 U.S.C. 461, *et seq.* (36 CFR Part 65).
 - Historic Preservation Certifications pursuant to the Tax Reform Act of 1976, the Revenue Act of 1978, the Tax Treatment Extension Act of 1980, and the Economic Recovery Tax Act of 1981. 16 U.S.C. 470, *et seq.*; 90 Stat. 1519; 92 Stat. 2828; 94 Stat. 3204; 95 Stat. 172 (36 CFR Part 67).
 - The Secretary of the Interior's Standards and Guidelines for Historic Preservation Projects. 16 U.S.C. 470, *et seq.*; Executive Order 11593 (36 CFR Part 68).
 - The Secretary of the Interior's Standards and Guidelines for Archeology and Historic Preservation pursuant to Sections 101 and 110 of the National Historic Preservation Act. 16 U.S.C. 470, *et seq.* (48 FR 44716 of Sept. 29, 1983).
 - Waiver of Federal Agency Responsibilities under Section 110 of the National Historic Preservation Act. 16 U.S.C. 470, *et seq.* (36 CFR Part 78).
 - Protection of the world's cultural and natural heritage: the World Heritage Convention. 16 U.S.C. 470a-1 and 2-2d (36 CFR Part 73).
 - Permits and procedures for the recovery and preservation of archeological resource on Department of the Interior lands. 16 U.S.C. 470 aa-ll (43 CFR Part 7).
 - Permits to examine ruins, excavate archeological sites and gather objects of antiquity on Federal and Indian lands (Antiquity permits issued by the Departmental Consulting Archeologist). 16 U.S.C. 432 (43 CFR Part 3; 36 CFR Parts 2.20 and 2.25); also see 16 U.S.C. 470 aa-ll (43 CFR Part 7).
 - Approval of a conversion to a non-designated use for lands deeded by the Federal government to State and local entities as park demonstration areas, recreation areas, wildlife conservation preserves and refuges and as historic monuments and properties under the (1) Recreation Demonstration Act of 1942 and (2) Federal Property and Administrative

Services Act of 1949, For (1)—16 U.S.C. 459 r-t; for (2)—40 U.S.C. 484(k)(2) (41 CFR Part 101-47).

—Consultation concerning the protection of any historic site which may be impacted by a transportation project. 49 U.S.C. 303.

- Bureau of Reclamation (protection of cultural resources on water storage and delivery project lands):

—Procedures for the administration and protection of cultural resources. E.O. 11593 (43 CFR Part 422).

—Concurrence for issuance and supervision of antiquity permits. 16 U.S.C. 432 (43 CFR Part 3); also see 16 U.S.C. 470 aa-ll (43 CFR Part 7).

- Office of Surface Mining Reclamation and Enforcement (protection of important historic, cultural, scientific, and aesthetic resources in surface coal mining and reclamation operations):

—Concurrence for issuance and the supervision of antiquity permits. 16 U.S.C. 432 (43 CFR Part 3); also see 16 U.S.C. 470 aa-ll (43 CFR Part 7).

Department of Transportation

- Office of the Secretary (general effects of transportation projects on cultural resources):

—Approval of transportation programs or projects that require the use of or have significant impacts on historic sites. 49 U.S.C. 303.

- Coast Guard (effects of bridges on cultural resources):

—Construction and alterations on bridges and causeways over navigable waters that are or require the use of or have significant impacts on historic sites. 33 U.S.C. 491, *et seq.*; 511, *et seq.*; 525, *et seq.*, and 535 (33 CFR Part 114, *et seq.*).

- Federal Aviation Administration (effects of airport developments and air traffic on cultural resources; sonic boom impacts).

- Federal Highway Administration (effects of highway projects on cultural resources):

—Approval of transportation programs or projects that require the use of or have significant impacts on historic sites. 23 U.S.C. 138 and 49 U.S.C. 303 (23 CFR Part 771).

—Archeological and paleontological salvage on Federal and Federal-aid highway projects. 23 U.S.C. 305.

- Federal Railroad Administration (effects of railroad projects on cultural resources).

- Urban Mass Transportation Administration (effects of urban transportation projects on architectural and historic resources).

Advisory Council on Historic Preservation (effects of development or other actions on historic properties):

—Consultation concerning the effects of any Federal, federally assisted, or federally regulated activity on historic properties. 16 U.S.C. 470, *et seq.* (36 CFR Part 800).

General Services Administration

- Public Buildings Service (effects of development and pollution on architectural and historic resources in urban areas).

Interstate Commerce Commission (effects of rail line construction and abandonment on cultural resources).

National Capital Planning Commission (effects of development and pollution on architectural, historic and archeological resources in the Washington, D.C. area):

—Approval of land use plans and construction in the National Capital Region. 40 U.S.C. 74a (D.C. Code 9-404, D.C. Code 8-102); 40 U.S.C. 122 (D.C. Code 8-111, D.C. Code 5-432).

Tennessee Valley Authority (effects of development and other actions on historic and archeological resources in the Tennessee Valley region):

—Permits and procedures for the recovery and preservation of archeological resources on TVA lands. 16 U.S.C. 470 aa-ll (18 CFR Part 1312).

IV. NATURAL RESOURCES MANAGEMENT

A. Weather Modification

Department of Agriculture

- Forest Service (effects of weather modification on National Forests and Grasslands).

- Soil Conservation Service (snow surveys and soil moisture monitoring).
- World Agricultural Outlook Board (data relating to weather and agricultural commodities).

Department of Commerce

- National Oceanic and Atmospheric Administration (weather research and development):

—Records and reports on weather modification activities. 85 Stat. 735 (15 CFR Part 908).

Department of Defense

- Department of the Air Force (fog dissipation).

Department of the Interior

- Bureau of Indian Affairs (effects of weather modification on Indian Lands).
- Bureau of Land Management (effects of weather modification on public lands).

- Fish and Wildlife Service (effects of weather modification on endangered species and their critical habitats, other fish and wildlife resources, and National Wildlife Refuge and National Fish Hatchery System areas).

- Geological Survey (effects of weather modification on water resources; paleoclimatic studies).

- National Park Service (effects of weather modification on National Park System areas).

- Bureau of Reclamation (effects of weather modification on water storage and delivery projects; research in relation to water resources):

—Precipitation augmentation through cloud seeding. 43 U.S.C. 377.

Environmental Protection Agency (effects of weather modification on pollution control and environmental quality).

B. Marine Resources

Department of Commerce

- National Oceanic and Atmospheric Administration (meteorological and oceanographic research and monitoring;

management and protection of coastal and marine resources; marine pollution; research and monitoring; ocean pollution; ocean mining; ocean dumping; seafood quality; regulation of marine fisheries):

—Establishment of estuarine sanctuaries. 16 U.S.C. 1461 (15 CFR Part 921).

—Permits for activities in designated marine sanctuaries. 16 U.S.C. 1431, *et seq.* (15 CFR Part 922).

—Consultations regarding Federal or federally permitted projects affecting fish and wildlife habitat in coastal and offshore areas under the Fish and Wildlife

Coordination Act. 16 U.S.C. 661, *et seq.*

—Consultations regarding projects which may affect any threatened or endangered marine species or its critical habitat. 16 U.S.C. 1531, *et seq.* (50 CFR Parts 222 and 402).

—Permits for scientific research and display of marine mammals. 16 U.S.C. 1374 (50 CFR Parts 216.31, 220 and 618).

—Permits to enhance the propagation or survival of endangered or threatened marine species. 16 U.S.C. 1531 (50 CFR Part 222.21).

—Control of fishing by foreign and domestic vessels in the 3-200 mile Fishery Conservation Zone. 16 U.S.C. 1801, *et seq.* (50 CFR Chapter VI).

—Permits for importing marine mammals or products thereof. 16 U.S.C. 1361 and 1371-74 (50 CFR Parts 18 and 216).

—Licenses for siting, design, and operation of ocean-thermal energy facilities. 42 U.S.C. 9101, *et seq.* (15 CFR Part 981).

—Licenses and permits for deep seabed hard mineral resource exploration or recovery. 30 U.S.C. 1401, *et seq.* (15 CFR Part 970).

—Approval of fishery management plans. 16 U.S.C. 1801, *et seq.* (50 CFR Part 601).

—Permits for scientific research, propagation and survival of marine reptiles. 16 U.S.C. 1538 (50 CFR Part 223.23).

—Permits for whaling for scientific and subsistence purposes. 16 U.S.C. 916 (50 CFR Part 216).

Department of Defense

- Army Corps of Engineers (effects of activities in navigable waters on marine resources):

—Regulation of artificial islands, installations and devices on the outer continental shelf. 43 U.S.C. 1333(e) (33 CFR Part 320.2(b)).

—For other jurisdictional responsibilities, see PART I. B.—Water Quality.

- Department of the Navy (oceanography and hydrographic mapping; ship pollution).

Department of Energy

- Office of Policy, Safety, and Environment (effects of energy programs on marine resources).

Department of Health and Human Services

- Public Health Service (effects of marine pollution on health).

- Food and Drug Administration (shellfish sanitation; contamination of fish and shellfish with toxics).

Department of the Interior

- Fish and Wildlife Service (effects of marine pollution on endangered species and their critical habitats, estuarine areas, marine sanctuaries, sport fisheries, migratory waterfowl, barrier islands, and coastal National Wildlife Refuges).

- Consultation regarding Federal projects that may affect an estuarine area. 15 U.S.C. 1224.

- Habitat acquisition and improvement for designated marine mammals. 16 U.S.C. 136, *et seq.*

- Geological Survey (marine geophysical surveys, including assessment of marine energy and mineral deposits; offshore geologic studies).

- Minerals Management Service (emissions from outer continental shelf lease operations; effects of pollution from outer continental shelf mineral lease operations; protection of marine biological resources on outer continental shelf leases; management of outer continental shelf lands);

- For jurisdictional responsibilities see PART II. B.—Oil and Gas and PART IV. G.—Non-energy Mineral Resources.

- Bureau of Mines (pollution from ocean mining).

- National Park Service (marine pollution affecting National Park System areas, especially National Seashores; marine recreational resources; historic and archeological sites in coastal areas and on the continental shelf).

- Department of State (international aspects of water pollution and marine resources, including migratory birds and marine mammals).

Department of Transportation

- Coast Guard (ocean dumping enforcement and marine resource protection; discharges of toxic materials in navigable waters; recreational boating);

- Transportation of hazardous materials by vessel. 46 U.S.C. 170, 375, 391(a) and 416(j); 49 U.S.C. 1655, 1803, 1804 and 1808(j); 50 U.S.C. 191 (33 CFR Parts 151, *et seq.*; and 160, *et seq.*; 46 CFR Chapter I).

- Hazardous substance discharge to navigable waters. 33 U.S.C. 1321 (33 CFR Parts 25 and 151, *et seq.*; 46 CFR Part 542, *et seq.*).

- Navigation and waterfront facility regulation. 33 U.S.C. 1221, *et seq.* (33 CFR Parts 125 and 126).

- Outer continental shelf structures. 43 U.S.C. 1331 (33 CFR Part 140, *et seq.*).

- Ports and waterways safety. 33 U.S.C. 1221 (33 CFR Part 160, *et seq.*).

- Deepwater port regulation and licensing. 33 U.S.C. 1503–1524 (33 CFR Parts 148–150).

- Recreational boating regulation. 46 U.S.C. 1451 (33 CFR Part 173, *et seq.*).

- Maritime Administration (port, coastal, and ocean pollution; marine pollution from ships; destruction/treatment of wastes at sea);

- Merchant vessels: polluting, discharging and dumping. 46 U.S.C. 1101, *et seq.*

- Port operations: polluting, discharging and dumping. 46 U.S.C. 867.

- Advisory Council on Historic Preservation (effects of activities in coastal and marine areas on historic properties).

- Environmental Protection Agency (marine discharges, oil spills, ocean dumping; environmental effects; ocean disposal of radioactive waste and hazardous materials);

- For jurisdictional responsibilities, see PART I. B.—Water Quality.

- Federal Maritime Commission (vessel certification with respect to liability for water pollution);

- Certificates of financial responsibility for water pollution. 33 U.S.C. 1321 (46 CFR Part 542); 42 U.S.C. 1643 (46 CFR Part 543); 43 U.S.C. 1815 (46 CFR Part 544).

- Marine Mammal Commission (conservation and protection of marine mammals and their habitat);

- Consultation and oversight responsibility for activities affecting marine mammals. 16 U.S.C. 1402.

- Review of permit applications for taking and importation of marine mammals and marine mammal products. 16 U.S.C. 1371(a).

- National Aeronautics and Space Administration (advanced technology for remote sensing in oceanography and marine resource conservation).

- Nuclear Regulatory Commission (radioactive substances in the marine environment).

C. Water Resources Development and Regulation*Department of Agriculture*

- Agricultural Stabilization and Conservation Service (water resource conservation; Water Bank program).

- Animal and Plant Health Inspection Service (control of exotic noxious weeds in waterways and streams).

- Forest Service (effects of water resource developments on National Forests and Grasslands);

- Water resource development in wilderness areas. (36 CFR Part 293.15).

- Consultations regarding water resource development and effects on rivers established as units of the National Wild and Scenic Rivers System and on those rivers designated for study as potential additions to that System. 16 U.S.C. 1278, *et seq.*

- Agricultural Research Service (research on soil and water conservation).

- Soil Conservation Service (watershed protection; river basin studies, flood prevention, and habitat analysis);

- Assistance to State and local sponsors, through a Small Watershed Program grant, for watershed, reservoir, flood-control and drainage projects. 16 U.S.C. 1001, *et seq.*; 33 U.S.C. 701–1 and 42 U.S.C. 1962, *et seq.* (7 CFR Parts 820, *et seq.*; and 660).

Department of Commerce

- National Oceanic and Atmospheric Administration (estuarine and anadromous fish habitat; review of Federal permits affecting water resources and management; protection of coastal and marine resources; river and flood forecasting).

Department of Defense

- Army Corps of Engineers (water resource development and regulation activities in water of the United States);

- Rules governing work or structures in or affecting navigable waters of the United States. 33 U.S.C. 401, 403, and 419 (33 CFR Part 322).

- Permits for discharges of dredged or fill materials into waters of the United States. 33 U.S.C. 1344 (33 CFR Part 323).

- Guidelines controlling the discharge of dredged or fill material in waters of the United States including wetlands. (40 CFR Part 230).

- Permits for uses at Corps reservoirs managed by a lakeshore management plan. 33 U.S.C. 1251.

- Permits for use of river or harbor improvements built by United States. 33 U.S.C. 408 (33 CFR Part 320.2(e)).

- For other jurisdictional responsibilities, see PART I. B.—Water Quality.

Department of Energy

- Office of Policy, Safety, and Environment (effect of energy policies, programs, and projects).

Department of the Interior

- Fish and Wildlife Service (effects of water resource developments on endangered species and their critical habitats, other fish and wildlife resources, and National Wildlife Refuge and National Fish Hatchery System areas);

- Consultation regarding Federal or Federally permitted projects which affect streams and water bodies. 16 U.S.C. 661, *et seq.*

- U. S. Fish and Wildlife Service Mitigation Policy. 16 U.S.C. 661–667(e), 742(a)–754 and 1001–1009 (46 FR 7644 of Jan. 23, 1981).

- Consultation regarding Federal projects that may affect an estuarine area under the Estuarine Protection Act. 15 U.S.C. 1224.

- Geological Survey (hydrologic research: collection, analysis, and dissemination of data on quantity and quality of surface and ground water; National Water Summary).

- Bureau of Indian Affairs (effects of water resources developments on Indian lands);

- Permits, concessions, and leases on lands withdrawn or acquired in connection with Indian irrigation projects. 25 U.S.C. 390 (25 CFR Part 173).

- Bureau of Land Management (effects of water resource developments on public lands);

- Permits, leases, and easements for water control projects. 43 U.S.C. 1732(b) and 1761(a)(1) (43 CFR Part 2800).

- Bureau of Mines (effects of water resource developments and regulation on mineral resources, production and transportation).

- National Park Service (effects of water resource developments on Wild and Scenic River System, outdoor recreation areas, and National Park System areas);

- Consultations regarding water resource developments and effects on rivers established as units of the National Wild

and Scenic Rivers System and on those rivers designated for study as potential additions to that System. 16 U.S.C. 1278, *et seq.*

—Consultations about extent to which proposed recreational developments at hydroelectric projects conform to and are in accord with the State Comprehensive Outdoor Recreation Plan. 16 U.S.C. 470.

- Bureau of Reclamation (water storage and delivery projects and their effects; water policy analysis; impacts on State water management):

—Construction and operation of works and structures for storage, diversion and development of waters, including flood control, navigation and river-flow regulation and control in the 17 contiguous western States. 43 U.S.C. 391 *et seq.*

- Office of Surface Mining Reclamation and Enforcement (effects of water resource developments on surface coal mining and reclamation operations).

Department of Transportation

- Coast Guard (vessel, bridge, port, and waterway regulation and safety; navigational aids):

—Ports and waterways safety. 33 U.S.C. 1221 (33 CFR Part 160, *et seq.*).

—Construction and alterations of bridges and causeways over navigable waters. 33 U.S.C. 491, *et seq.*; 511, *et seq.*; 525, *et seq.*, and 535 (33 CFR Part 114, *et seq.*).

- Federal Highway Administration (effects of water resource developments on highways):

—Approval of Federal-aid highway and bridge projects involving navigable waters and channel changes. 23 U.S.C. 144 (23 CFR Part 650).

—Approval of toll bridge and ferry projects. 23 U.S.C. 129.

- Saint Lawrence Seaway Development Corporation (Seaway regulation):

—Construction, development, operation, and maintenance of the United States part of the Seaway. 33 U.S.C. 981-990 (33 CFR Parts 401-403).

Advisory Council on Historic Preservation (effects of water resource developments on historic properties).

Delaware River Basin Commission (management of water resources in the Delaware River basin):

—Review and approval of water resource projects. 75 Stat. 708 (18 CFR Parts 401-430).

Environmental Protection Agency (effects of water resource developments on pollution control):

—Review of permits for discharge of dredged or fill materials into waters of the United States. 33 U.S.C. 1344 (40 CFR Part 230).

—Guidelines controlling the discharge of dredged or fill material in waters of the U.S. including wetlands. (40 CFR Part 230).

—For other jurisdictional responsibilities, see PART I. B.—Water Quality.

Federal Emergency Management Agency (floodplain mapping and floodplain management; dam and levee safety; mitigation of natural hazards).

Federal Energy Regulatory Commission (effects of power projects):

—Regulation of development of water resources. 16 U.S.C. 791-825(r) (18 CFR Parts 4-25, 36, 131 and 141).

International Boundary and Water Commission, United States Section (maintenance, restoration and protection of banks of Rio Grande and Colorado River where they form the international boundary with Mexico; construction and operation of works and structures for storage and diversion of waters, including flood control on the Rio Grande and Colorado Rivers).

National Capital Planning Commission (water resource developments in Washington, D.C. area):

—Approval of taking lines and general development plans for parks in stream valleys in Maryland and Virginia tributaries to the Potomac and Anacostia Rivers. Act of May 29, 1930; 46 Stat. 432 as amended.

Susquehanna River Basin Commission (management of water resources in the Susquehanna River basin):

—Review and approval of water resource projects. 84 Stat. 1509 *et seq.* (18 CFR Parts 801-803).

Tennessee Valley Authority (water resource developments and regulation in the Tennessee Valley region):

—Construction of dams, appurtenant works, or other waterway improvement activities affecting navigation, flood control, public lands or reservations on the Tennessee River System. 16 U.S.C. 831(y-1).

D. Watershed Protection and Soil Conservation

Department of Agriculture

- Agricultural Research Service (technical aspects of water and soil conservation).

- Agricultural Stabilization and Conservation Service (soil conservation; cost-sharing farm and forest conservation programs).

- Extension Service (extension programs in agricultural conservation).

- Farmers Home Administration (effects of housing, community, and business programs, and farmer programs on soil and water conservation; conservation loan programs).

- Forest Service (soil and water conservation, and their effects on National Forests and Grasslands; forest and range soil rehabilitation):

—Emergency soil and water conservation programs. 16 U.S.C. 2202, *et seq.*

- Soil Conservation Service (soil surveys; technical assistance in areas of soil, water, and related resource conservation for landowners and landusers through several multi-functional programs):

—Grants for Watershed Protection and Flood Prevention Act activities. 16 U.S.C. 1001, *et seq.* (7 CFR Part 820, *et seq.*, and 660).

—Land conservation and land utilization program. 7 U.S.C. 1010, *et seq.*

Department of Commerce

- National Oceanic and Atmospheric Administration (weather research, river and flood forecasting).

Department of Defense

- Army Corps of Engineers (dredging, flood control, control of aquatic plants, shoreline stabilization):

—For jurisdictional responsibilities, see PART I. B.—Water Quality.

Department of Energy

- Office of Policy, Safety, and Environment (effects of energy policies, programs and projects on watersheds).

Department of the Interior

- Fish and Wildlife Service (effects of soil erosion and watershed protection on endangered species and critical habitats, and on fish and wildlife resources in general):

—Consultation regarding small watershed projects of the Soil Conservation Service under the Watershed Protection and Flood Prevention Act. 16 U.S.C. 1008.

- Geological Survey (geology and hydrology in general; National Water Summary; erosion and sedimentation; engineering geology).

- Bureau of Indian Affairs (soil conservation and watershed protection on Indian lands).

- Bureau of Land Management (watershed protection and soil conservation on public lands).

- Bureau of Mines (hydraulic impacts of mining; revegetation and reclamation after mining).

- National Park Service (watershed protection and soil conservation on National Park System lands):

—Special use permits, grazing permits, permits to collect soil, rock, water, and plant specimens. 16 U.S.C. 1, *et seq.* (36 CFR Parts 1, 2 and 7).

- Bureau of Reclamation (soil and moisture conservation; hydrology; erosion control on public lands; water storage and delivery project; water resources research; analysis of Federal role in groundwater management).

- Office of Surface Mining Reclamation and Enforcement (effects of surface coal mining and reclamation operations on erosion, aquifers and alluvial valley floors).

Department of Transportation

- Federal Highway Administration (erosion control on highway projects; vegetation management on highway rights-of-way; highway drainage problems on watersheds).

Advisory Council on Historic Preservation (effects of watershed protection activities on historic properties).

Environmental Protection Agency (watershed protection and soil conservation in relation to pollution control).

Federal Emergency Management Agency (floodplain mapping and management, mitigation of natural hazards).

Federal Energy Regulatory Commission (effects of power projects):

—Regulation of development of water resources. 16 U.S.C. 791-825(r) (18 CFR Parts 4-25, 36, 131 and 141).

National Aeronautics and Space Administration (advanced technology for remote sensing of watersheds and soils).

Tennessee Valley Authority (watershed protection and soil conservation in the Tennessee Valley region).

E. Forest, Range, and Vegetative Resources (Includes Development, Production, Harvest and Transport of These Renewable Resources)

Department of Agriculture

- Agricultural Research Service (forest and range management).
- Agricultural Stabilization and Conservation Service (renewable resource conservation programs; Forestry Incentives Program; Water Bank Program).
- Economic Research Service and Statistical Reporting Service (economic and statistical data on renewable resources).
- Extension Service (rural extension programs in renewable resource conservation and management).
- Farmers Home Administration (resource conservation and development loan programs).
- Forest Service (forest and grassland productivity in general; fire management; timber sale, free use of timber and other renewable resources; timber management activities and grazing habitat management in National Forests and Grasslands):
 - Timber management. 16 U.S.C. 472, 528-531 and 1600-1614 (36 CFR Part 222).
 - Grazing permits. 43 U.S.C. 1901 (36 CFR Part 222).
 - Management and disposal of wild free-roaming horses and burros. 16 U.S.C. 1331-1340 (36 CFR Part 222, Subpart B).
 - Soil Conservation Service (watershed resources protection; soil conservation technology).

Department of Commerce

- National Oceanic and Atmospheric Administration (coastal and marine resources management and development).

Department of Defense

- Army Corps of Engineers (effects of activities in the waters of the U.S. on renewable resources):
 - For jurisdictional responsibilities, see PART I. B.—Water Quality.

Department of Energy

- Bonneville Power Administration (renewable resource development in the Pacific Northwest):
 - Regional planning and conservation. 16 U.S.C. 839, *et seq.*

Department of the Interior

- Fish and Wildlife Service (effects of agriculture, forestry, and other renewable resource activities on endangered species and their critical habitats, National Wildlife Refuges and National Fish Hatchery systems, and other fish and wildlife resources).
- Geological Survey (effects of renewable resource activities on water resources and erosion; remote sensing of vegetation).
- Bureau of Indian Affairs (forest, range, and vegetative resources on Indian lands):

- Permits for grazing on Indian lands and on Federal lands under BIA jurisdiction. 5 U.S.C. 301; 25 U.S.C. 179, 345, 380, 393-394, 397, 402-403 and 413 (25 CFR Parts 166-168).
- Sale of timber from tribal and allotted lands. 25 U.S.C. 406-407, 413 and 466 (25 CFR Part 163).
- Permits, concessions, and leases on lands withdrawn or acquired in connection with Indian irrigation projects. 25 U.S.C. 390 (25 CFR Part 173).
- Leases for farming and other uses on Federal lands under BIA jurisdiction. 5 U.S.C. 301; 25 U.S.C. 380, 393-395, 397, 402-403, 413, 415, 477 and 635 (25 CFR Part 162).
 - Bureau of Land Management (forest, range and vegetative resources on public lands):
 - Permits for use of rangelands. 43 U.S.C. 315 (43 CFR Group 4100).
 - Sale by contract of timber and other forest products. 30 U.S.C. 601, *et seq.*; 43 U.S.C. 315, 423, and 118(a) (43 CFR Group 5400).
 - Permits for free use of timber. 16 U.S.C. 604, *et seq.*; 30 U.S.C. 189; 48 U.S.C. 423 (43 CFR Part 5510).
 - Management and control of wild free-roaming horses and burros and agreements for their adoption. 16 U.S.C. 1331-1340 (43 CFR Group 4700).
 - National Park Service (effects of forest, range, and other vegetative resource activities on historical and recreational values and on National Park System areas):
 - Permits for farming and grazing. 16 U.S.C. Chapter 1, *et seq.* (36 CFR Parts 1, 2 and 7).
 - Bureau of Reclamation (water storage and delivery projects and irrigation projects in relation to forest, range, and other vegetative resource activities: evaluation of water policy alternatives):
 - Sale of farm units on Federal irrigation projects (statutory authority appears in individual project authorizations).
 - Office of Surface Mining Reclamation and Enforcement (effects of surface coal mining and reclamation operations on renewable resources):
 - Protection of prime farmlands during surface coal mining and reclamation operations. 30 U.S.C. 1265 (30 CFR Parts 785.17 and 823).

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 - National Park Service (effects of forest, range, and other vegetative resource activities on historical and recreational values and on National Park System areas):
 - Permits for farming and grazing. 16 U.S.C. Chapter 1, *et seq.* (36 CFR Parts 1, 2 and 7).
 - Bureau of Reclamation (water storage and delivery projects and irrigation projects in relation to forest, range, and other vegetative resource activities: evaluation of water policy alternatives):
 - Sale of farm units on Federal irrigation projects (statutory authority appears in individual project authorizations).
 - Office of Surface Mining Reclamation and Enforcement (effects of surface coal mining and reclamation operations on renewable resources):
 - Protection of prime farmlands during surface coal mining and reclamation operations. 30 U.S.C. 1265 (30 CFR Parts 785.17 and 823).

Department of Transportation

- Federal Highway Administration (development of forest haul and access roads, effects of highway projects on forest, range, and other vegetative resources).
 - *Advisory Council on Historic Preservation* (effects of renewable resource activities on historic properties).
 - *Environmental Protection Agency* (effects of pollution, pesticide, and other environmental quality controls on forest, range, and other vegetative resources).
 - *Interstate Commerce Commission* (freight rates for renewable resources).
 - *Tennessee Valley Authority* (effects of hydro-electric and other power developments on forest, range, and other vegetative resources: biomass production and use).

F. Fish and Wildlife

Department of Agriculture

- Agricultural Research Service (basic and applied research in animal and plant protection).
- Agricultural Stabilization and Conservation Service (fish and wildlife in relation to agricultural conservation and the Water Bank Program).
- Animal and Plant Health Inspection Service (animal and plant health in general; control of pests and diseases):
 - Prevention of importation or exportation of diseased livestock or poultry. 21 U.S.C. 102-105, 111 and 132(a)-134(f).
 - Farmers Home Administration (effects of farm housing, community, and business programs on fish and wildlife; conservation loan programs).
 - Forest Service (fish and wildlife habitat management in National Forests and Grasslands; use of fire in habitat management):
 - Fish and wildlife management (36 CFR Part 219.19).
 - Management and disposal of wild free-roaming horses and burros. 16 U.S.C. 1331-1340 (36 CFR Part 222, Subpart B).
 - Permits for hunting and fishing in refuge areas. 16 U.S.C. 551 and 683.
 - Soil Conservation Service (fish and wildlife habitat, fish ponds, and raceways):
 - Assistance to State and local sponsors, through a Small Watershed Program grant, for reservoir developments and stream modification projects including specific fish and wildlife habitat improvements. 16 U.S.C. 1001, *et seq.*, and 33 U.S.C. 701-1.

Department of Commerce

- National Oceanic and Atmospheric Administration (endangered species and critical habitats; coastal fish and wildlife management and protection):
 - Approval and funding of State coastal zone management programs. 16 U.S.C. 1451, *et seq.* (15 CFR Parts 923 and 930).
 - For other jurisdictional responsibilities, see PART IV. B.—Marine Resources.

Department of Defense

- Army Corps of Engineers (fish and wildlife mitigation measures at public works and navigable waterway projects, dredge and fill permits):
 - For jurisdictional responsibilities, see PART I. B.—Water Quality.
- Department of the Air Force (bird/aircraft strike hazard reduction).

Department of Energy

- Bonneville Power Administration (fish and wildlife management and enhancement on power projects in the Pacific Northwest):
 - Regional planning and conservation. 16 U.S.C. 839, *et seq.*

Department of the Interior

- Fish and Wildlife Service (endangered species and their critical habitats; management of effects on fish and wildlife in general):

- Permits to take bald and golden eagles for scientific, religious and other purposes. 16 U.S.C. 668(a) (50 CFR Part 22).
 - Permits for the taking and importation of marine mammals. 16 U.S.C. 1361, *et seq.* (50 CFR Part 18).
 - Permits to export/import and to take for scientific and other purposes endangered or threatened wildlife and plants. 16 U.S.C. 1531, *et seq.* (50 CFR Part 17).
 - Permits for the importation of injurious mammals, birds, fish and other wildlife. 16 U.S.C. 42-44 (40 CFR Part 16.22).
 - Permits for export/import and interstate transportation of wildlife. 16 U.S.C. 42, *et seq.* (50 CFR Part 14).
 - Permits for the banding and marking of migratory birds. 16 U.S.C. 703-711 (50 CFR Part 21.22).
 - Consultations regarding Federal projects that may affect an estuarine area. 15 U.S.C. 1224.
 - Permits to perform taxidermy services on migratory birds, nests and eggs for commercial uses. 16 U.S.C. 704 (50 CFR Part 21.24).
 - Permits for special purpose uses of migratory birds. 16 U.S.C. 701, *et seq.* (50 CFR Part 21.27).
 - Certificates or permits of exception to Convention on International Trade in Endangered Species. 16 U.S.C. 1531-1543 (50 CFR Part 23).
 - Consultations regarding projects which may affect any threatened or endangered species or its critical habitats. 16 U.S.C. 1531, *et seq.* (50 CFR Part 402).
 - Determination of critical habitats for endangered and threatened species of fish, wildlife, and plants. 16 U.S.C. 1531, *et seq.* (50 CFR Parts 17, 402 and 424).
 - Endangered species exemption process. 16 U.S.C. 1531, *et seq.* (50 CFR Parts 450-453).
 - Consultation regarding Federal or federally permitted projects which affect fish and wildlife resources under the Fish and Wildlife Coordination Act. 16 U.S.C. 681, *et seq.*
 - U.S. Fish and Wildlife Service Mitigation Policy. 16 U.S.C. 661-667(e), 742(a)-754 and 1001-1009 (see 46 FR 7644 of Jan. 23, 1981).
 - Restoration and enhancement of anadromous fishery resources through grants for fish ladders, new anadromous fish hatcheries, new fishways, etc. 16 U.S.C. 742(a)-742(j) (50 CFR Part 401).
 - Improvement of sport fishery resources through grants to States under the Dingell-Johnson (D-J) Program. 16 U.S.C. 777-777(k) (50 CFR Part 80).
 - Restoration and enhancement of wildlife populations and resources through grants to States under the Pittman-Robertson (P-R) Program. 16 U.S.C. 669, *et seq.* (50 CFR Part 80).
 - Approval of conversion of use for State lands acquired, developed or improved with grants under the (1) Pittman-Robertson Act, (2) Dingell-Johnson Act, (3) Endangered Species Act and/or (4) Anadromous Fish Conservation Act. For (1)—16 U.S.C. 669 (50 CFR Parts 80.4 and 80.14); for (2)—16 U.S.C. 777 (50 CFR Parts 80.4 and 80.14); (3)—16 U.S.C. 1535; and for (4)—16 U.S.C. 757 (a) and (b).
 - Land acquisition, management, and other activities for endangered and threatened species through grants to States. 16 U.S.C. 1531-1543 (50 CFR Part 81).
 - Consultation concerning the protection of fish and wildlife refuges which may be impacted by transportation projects. 49 U.S.C. 303.
 - Geological Survey (water quality and quantity in relation to fish and wildlife resources).
 - Bureau of Indian Affairs (fish and wildlife resource management on Indian lands; off-reservation treaty fishing).
 - Bureau of Land Management (fish and wildlife management on public lands; wild horses and burros; endangered species and raptors; effects on fish and wildlife of power lines and other major projects crossing public lands).
 - Management and disposal of wild free-roaming horses and burros. 16 U.S.C. 1331-1340 (43 CFR Part 4700).
 - National Park Service (fishing, hunting and other outdoor recreational pursuits, fish and wildlife management in National Park System areas):
 - Permits for collecting animal specimens from National Park System areas. 16 U.S.C. 1, *et seq.* (36 CFR Part 2).
 - Licenses and permits for sport or commercial fishing in certain National Park System areas. (36 CFR Part 2).
 - Disposition of surplus animals from National Park System areas. (36 CFR Part 10).
 - Bureau of Reclamation (fish and wildlife management on water storage and delivery projects; hunting and fishing on project lands; mitigation measures; limnology).
 - Office of Surface Mining Reclamation and Enforcement (effects of surface mining and reclamation operations on fish and wildlife).
 - Department of Health and Human Services*
 - Public Health Service: Centers for Disease Control (fish and wildlife in relation to human health); Food and Drug Administration (contamination of fish and shellfish with toxics).
 - Department of State* (international issues concerning fish and wildlife, including migratory birds and marine mammals).
 - Department of Transportation*
 - Office of the Secretary (general effects of transportation projects on fish and wildlife refuges):
 - Approval of transportation programs or projects that require the use of or have a significant impact on wildlife and waterfowl refuges. 49 U.S.C. 303.
 - Federal Highway Administration (effects of highway projects on fish and wildlife habitat, and wildlife and waterfowl refuges):
 - Preservation of park and recreation areas, and wildlife and waterfowl refuges. 23 U.S.C. 138 (23 CFR Part 771).
 - Federal Aviation Administration (bird-aircraft strike hazard reduction).
 - Coast Guard (enforcement of laws affecting Fishery Management Zones).
 - Environmental Protection Agency* (effects of pollution control and water quality on fish and wildlife).
 - Marine Mammal Commission* (conservation and protection of marine mammals and their habitat):
 - Consultation and oversight responsibility for activities affecting marine mammals. 16 U.S.C. 1402.
 - Review of permit applications for taking and importation of marine mammals and marine mammal products. 16 U.S.C. 1371(a).
 - National Science Foundation* (conservation of antarctic animals, plants, and ecosystems):
 - Permits for the taking or collecting of Antarctic animals and plants, and for entry into certain designated areas. 16 U.S.C. 2401, *et seq.* (45 CFR Part 670)
 - Tennessee Valley Authority* (fish and wildlife management and conservation in the Tennessee Valley).
- G. Non-Energy Mineral Resources**
- Department of Agriculture*
- Forest Service (mineral resources development in National Forests and Grasslands; reclamation of disturbed lands):
 - Permits and rights-of-way on National Forest System lands. 16 U.S.C. 471-472, 478, 495, 497-498, 525, 528, 531-538, 551, 572 and 580 (36 CFR Parts 212, 251 and 261).
 - Surface use of public domain lands under U.S. mining laws. 16 U.S.C. 478 and 551 (36 CFR Part 228).
 - Mineral development on acquired lands. For solid (hardrock) minerals—16 U.S.C. 520 (43 CFR Part 3500); for phosphate, sodium, potassium and sulphur—30 U.S.C. 351, *et seq.*
 - Soil Conservation Service (abandoned mine land and mine reclamation).
- Department of Commerce*
- National Oceanic and Atmospheric Administration (air and water pollution from mining; offshore and coastal mining; port planning; management and protection of coastal and marine resources):
 - Approval of licenses for deep seabed hard mineral exploration and development. 30 U.S.C. 1401, *et seq.* (15 CFR Part 970).
- Department of Defense*
- Army Corps of Engineers (effects of mineral development on navigable waters):
 - For jurisdictional responsibilities, see PART I. B.—Water Quality.
- Department of Housing and Urban Development*
- Office of Housing (subsidence from mining operations and soil factors related to housing).
- Department of the Interior*
- Fish and Wildlife Service (effects of mineral development on endangered species and their critical habitats, National Wildlife Refuge and National Fish Hatchery Systems, and other fish and wildlife resources):
 - Easements/permits for transmission line, pipelines and other rights-of-way across National Wildlife Refuge and National Fish Hatchery System land. For refuges—16 U.S.C. 668 dd, *et seq.*; for hatcheries—43

U.S.C. 931 c and (50 CFR Parts 25.41 and 29.21).

- Permits for rights-of-way across National Wildlife Monuments (Alaska only). 16 U.S.C. 432, 460(k-3) and 742(f) (50 CFR Part 96).
- Geological Survey (mineral resources in general, with emphasis on strategic and critical minerals; mineral resources assessment on public lands).
- Bureau of Indian Affairs (effects on Indian lands of mineral operations):
 - Leases and permits on Indian lands. 25 U.S.C. 380, 393-395, 397, 402-403, 413, 415, 477 and 635 (25 CFR Part 162).
 - Rights-of-way over Indian lands. 25 U.S.C. 311-321 and 323-328 (25 CFR Part 169).
 - Mining leases on Indian lands. 25 U.S.C. 358, 396, 476-477 and 509 (25 CFR Parts 211-215 and 226-227).
 - Permits for surface exploration and reclamation. 25 U.S.C. 355, 396, 473 and 501-502 (25 CFR Part 216).
 - Bureau of Land Management (mineral development on public lands):
 - Easements/leases/permits for use, occupancy and development of public lands. 43 U.S.C. 1732 (43 CFR Subchapters 2000 and 3000).
 - Exploration licenses for leasable minerals on unleased land. 30 U.S.C. 181, *et seq.* and 201(b) (43 CFR Parts 3400 and 3480).
 - Leases for phosphate, sodium, potassium, etc., exploration and mining. 30 U.S.C. 181, *et seq.* (43 CFR Group 3500 and Part 3570).
 - Permits for sand, stone and gravel. 30 U.S.C. 601 and 602.
 - Leases, permits and licenses for mining in Wild and Scenic River System areas. 16 U.S.C. 1280 (each area has special Federal Regulations).
 - Concurrence for placer mining use of the surface of public lands withdrawn or reserved for power development or for a power site. 30 U.S.C. 621 (43 CFR Part 3730).
 - Leases and permits for sulfur in Louisiana and New Mexico. 30 U.S.C. 271, *et seq.* (43 CFR Group 3500).
 - Easements/permits for rights-of-way. 30 U.S.C. 185 and 43 U.S.C. 1701, *et seq.* (43 CFR Parts 2800-2887).
 - Minerals Management Service (mineral development on the outer continental shelf):
 - Leases for minerals on the outer continental shelf. 43 U.S.C. 1331-1343 (30 CFR Parts 250, 251, 252 and 256).
 - Permits for exploration and development activities on Federal leases on the outer continental shelf. 43 U.S.C. 1331, *et seq.* (30 CFR Parts 250 and 251).
 - Permits for geological and geophysical exploration on the outer continental shelf. 43 U.S.C. 1334 (30 CFR Part 251).
 - Approval of geological geophysical exploration plans. 43 U.S.C. 1340 (30 CFR Part 251).
 - Permits for artificial islands, platforms, and other fixed structures on any Federal or State outer continental shelf lease. 43 U.S.C. 1334-1335 (30 CFR 250.18 and 250.19).
 - Bureau of Mines (mining, milling, and mineral land assessments):

- Agreements to dispose of helium of the United States. 43 U.S.C. 1201 and 30 U.S.C. 180, *et seq.* (43 CFR Part 16).
- National Park Service (effects of mineral development on public park, recreation and cultural/historical resources and values, and on National Park System areas):
 - Permits, leases and easements for rights-of-way, grazing and other uses on National Park System areas. 16 U.S.C. 1, *et seq.* (36 CFR Parts 9 and 14).
 - Leases, permits and licenses for mining on National Park System lands involved in National Wild and Scenic Rivers System. 16 U.S.C. 1280.
 - Access permits for mining activity within the National Park System. 16 U.S.C. 1902 and 1908; 30 U.S.C. 21, *et seq.* (36 CFR Part 9).
 - Bureau of Reclamation (effects of mineral development on water storage and delivery projects):
 - Easements/permits for access, pipeline, and other rights-of-way. 43 U.S.C. 3871.

Department of Labor

- Mining Safety and Health Administration (safety and health issues in mining operations).
- Occupational Safety and Health Administration (general worker safety and health issues).

Department of State (international aspects of mineral development):

- Facilities for export/import of minerals. Executive Order 11423.

Department of Transportation

- Coast Guard (vessel transport of minerals):
 - Ports and waterways safety. 33 U.S.C. 1221 (33 CFR Part 160, *et seq.*).
 - Maritime Administration (dry bulk shipping of coal and other minerals in the inland waterways, domestic ocean, Great Lakes, and U.S. foreign trades).

Advisory Council on Historic Preservation (effects of mineral development activities on historic properties).

Environmental Protection Agency (pollution control and other environmental effects of minerals development):

- For jurisdictional responsibilities, see PART I—POLLUTION CONTROL.

H. Natural Resource Conservation

Department of Agriculture

- Agricultural Stabilization and Conservation Service (natural resource conservation programs; Forestry Incentives Program; Water Bank Program).
- Agricultural Research Service (research in technical aspects of soil and water conservation and forest and range management).
 - Extension Service (rural area extension programs in conservation).
 - Farmers Home Administration (farmer loan programs related to natural resource conservations).
 - Forest Service (conservation of forest and rangeland resources; use of fire as a management tool).

- Soil Conservation Service (soil, water, and related resources conservation technology):
 - Land conservation and utilization program. 7 U.S.C. 1010, *et seq.*
 - Watershed protection, conservation and utilization of land and water resources. 16 U.S.C. 1001, *et seq.*
 - Soil and water resources conservation. 16 U.S.C. 2001, *et seq.*

Department of Commerce

- National Oceanic and Atmospheric Administration (coastal and marine resources management and protection; national estuarine and marine sanctuaries; coastal energy facility planning and siting in State coastal zone management programs).

Department of Energy

- Bonneville Power Administration (resource conservation in the Pacific Northwest):
 - Regional planning and conservation. 16 U.S.C. 839, *et seq.*

- Office of Policy, Safety, and Environment (general energy policies, programs and projects in relation to conservation).

Department of the Interior

- Fish and Wildlife Service (conservation of, and effects of conservation on, endangered species and their critical habitats, and other fish and wildlife resources; conservation in National Wildlife Refuge and National Fish Hatchery System areas).

- Geological Survey (conservation of water and mineral resources).

- Bureau of Indian Affairs (conservation of Indian lands).

- Bureau of Land Management (conservation on public lands).
- Minerals Management Service (conservation in relation to minerals management activities on the outer continental shelf).

- Bureau of Mines (conservation of mineral resources and land, air, and water resources associated with mineral deposits).

- National Park Service (conservation in relation to urban parks, outdoor recreation, historical and cultural resources, National Trails Systems, Wild and Scenic Rivers System, and the National Park System).

- Bureau of Reclamation (conservation in relation to water storage and delivery projects, water resources, and desalination; Soil and Moisture Conservation Program; development of water policy options; National Water Summary).

- Office of Surface Mining Reclamation and Enforcement (conservation in relation to surface coal mining and reclamation operations).

Environmental Protection Agency (resource recovery from wastes; pollution and other environmental controls):

- Solid Waste Disposal Act permits. 42 U.S.C. 3251 *et seq.*, and 6901, *et seq.* (40 CFR Parts 122, 123 and 124).

- Guidelines on solid waste collection and storage for Federal assistance. 42 U.S.C. 6907 (40 CFR Part 243).

- Resource recovery facilities. 42 U.S.C. 6907 (40 CFR Part 245).
- Materials recovery and solid waste management guidelines for source separation. 42 U.S.C. 6907 (40 CFR Part 246).
- Solid waste management guidelines for beverage containers. 42 U.S.C. 6907 (40 CFR Part 244).

Federal Energy Regulatory Commission (relation of conservation to hydroelectric power development and natural gas facilities).

National Science Foundation (conservation of antarctic animals, plants, and ecosystems):

- Permits for the taking or collecting of antarctic animals and plants, and for entry into certain designated areas. 16 U.S.C. 2401, *et seq.* (45 CFR Part 670).

Tennessee Valley Authority (soil and other natural resource conservation in the Tennessee Valley region).