**Environmental Legislation**

The Clean Air Act of 1963, 1965, 1970, 1977, 1990 (CAA)

Air Pollution Control Act- 1955

The Clean Water Act 1972, 1977, 1981, 1987 (CWA)

The Safe Drinking Water Act of 1974, 1984, and 1996 (SDWA)

Federal Water Pollution Control Act- 1948

Water Quality Act- 1965

Comprehensive Environmental Response, Compensation, and Liability Act of 1980, 1986, 1990 (CERCLA or Superfund)

The Toxic Substances Control Act of 1976 (TSCA)

Convention on International Trade in Endangered Species of 1973 (CITES)

Lacey Act of 1900

The Endangered Species Act 1973, 1982, 1985, 1988 (ESA)

The Emergency Planning & Community Right-To-Know Act (EPCRA)

The Occupational Safety and Health Act (OSHA)

Federal Food, Drug, and Cosmetic Act 1938, 1954, 1958 (FFDCA)

Federal Insecticide, Fungicide and Rodenticide Act 1972, 1988 (FIFRA)

Federal Environmental Pesticides Control Act- 1972

Food Quality Protection Act of 1996 (FQPA)

Convention of Climate Change and the Kyoto Protocol of 1997 and 2001 (Kyoto Protocol)

Convention of Ozone Depletion and the Montreal Protocol of 1986

Montreal Protocol- 1987, 1990, 1992- London (1990), Copenhagen (1992)

Pollution Prevention Act- 1990

National Environmental Policy Act of 1969 (NEPA)

Declaration of the Conference on the Human Environment of 1972

Convention on the Law of the Sea of 1982 (or Law of the Sea Convention, LOSC)

The Oil Pollution Act of 1990 (OPA)

The Resource Conservation and Recovery Act of 1976 and 1989 (RCRA)

General Mining Law-1872

Mineral Leasing Act- 1920

Surface Mining Control and Reclamation Act of 1977 (SMCRA)

Energy Policy Act -1992

Migratory Bird Hunting Stamp Act -1934

Migratory Bird Treaty Act- 1918

Forest Reserve Act- 1891

Taylor Grazing Act -1943

Wilderness Act -1964

Wild and Scenic Rivers Act -1968

Multiple Use and Sustainable Yield Act- 1960, 1968)

Federal Land Policy and Management Act (FLPMA)- 1976

Forest and Rangeland Renewable Resources Planning Act (FRRRPA)- 1976

National Forests Management Act- 1976

Healthy Forest Initiative- 2003

Yellowstone National Park Act- 1872

National Park Service Act- 1916

Outdoor Recreation Act- 1963

Land and Water Conservation Fund Act- 1965

National Trails System Act- 1968

Alaska National Interest Lands Conservation Act- 1980

Renewable Resources Planning Act (RPA)- 1974

Renewable Energy Law, China- 2007

Public Rangelands Improvement Act- 1978

Federal Aid Highway Act- 1956

Nuclear Waste Policy Act (NWPA)- 1982

Marine Plastic Pollution Research and Control Act- 1987

Solid Waste Disposal Act (SWDA)- 1965

Medical Waste Tracking Act- 1988

Waste Reduction Act- 1990

Resource Conservation and Recovery Act- 1976

Soil and Water Conservation Act (SWCA)- 1977

Soil erosion Act -1935

Ocean Dumping Ban Act (ODA)-1988

Oil Spill Prevention and Liability Act- 1990

Source Water Assessment Program (SWAP)- 1996

Source Water Protection Program (SWPP)- 1996

Surface Water Treatment Rule (SWTR)- 1996

Convention on Persistent Organic Pollutants- 2001

Water Resource Planning Act- 1965

Coastal Zone Management Act- 1972

Water Resources Development Act- 1986

National Estuary Program- 1987

Ramsar Convention -1971

Fish and Wildlife Act- 1956

Fish and Wildlife Coordination Act- 1980

Andromous Fish Conservation Act- 1965

Marine Mammal Protection Act- 1972

Marine Protection and Sanctuaries Act- 1972

Fur Seal Act- 1966

National Wildlife Refuge System Act- 1966

Magnuson Fishery Conservation and Management Act- 1976

Convention for the Conservation of Antarctic Marine Living Resources- 1980

Nonindigenous Aquatic Nuisance Prevention and Control Act- 1990

United Nations Treaty on the Law of the Sea- 1982

**Case Studies**

Haiti 2010- Earthquake

San Andreas Fault

Mount Saint Helens- 1983 eruption

Mount Pinatubo- 1991 eruption

Dust Bowl -1930’s

San Joaquin Valley- groundwater subsidence

Mexico City- exploiting groundwater for its needs

Aswan High Dam, Egypt- 1970’s

Bangladesh- 1960’s wells dug, arsenic compounds

Colorado River Basin- water diversion project

James Bay, Canada- water diversion project

Ogallala Aquifer

Three Gorges Dam, China

Conference on Population and Development, Cairo-1994, improved healthcare and family planning for women

Golden rice- supplies vitamin A

Bacillus Thuringiensis (Bt)- produces proteins for use in pesticides, environmentally friendly

Potato growers- Long Island, NY- Aldicarb residues in well water

Hubbard Brook Experimental Forest- deforestation affects nutrient cycles

Gatun Lake- operates locks in Panama Canal

Polychorinated biphenyls (PCBs)- banned in US in late 1970’s

Arctic National Wildlife Refuge (ANWR)- Alaska

Brazil cars run on alcohol or gasohol (a mixture of gasoline and ethanol)

Bloom Boxes- solid oxide fuel cells to generate electricity

Donora, PA 1948- smog from zinc and steel smelting

Minamata disease- mercury dumped into the Bay

Exxon Valdez- 1989- oil tanker spilled

Gulf of Mexico Oil Spill- 2010

DDT- first synthesized chlorinated organic pesticide