WASTE MANAGEMENT AND GEOLOGY

NEPA: National Environmental Policy Act of 1969
RCRA: Resource Conservation and Recovery Act of 1976
EPA: Environmental Protection Agency
Municipal Waste Disposal Methods 1) Sanitary Land Fills
2) Incineration
3) Ocean Dumping
Problems of Waste Isolation 1) Stabilization
2) Gas Generation
3) Leachate
The Completed Landfill
Recycling
Composting
Multiple Land Use Strategies
Hazardous Waste Disposal Methods 1) Secure Landfills 2) Deep Well Injection

Superfunding

Nuclear Waste Disposal

Types of Nuclear Waste:

- 1) High Level
- 2) Low Level
- 3) Mill Tailings

Isolation of Nuclear Waste

⇒ Yucca Mountain

Health and Safety Standards for Nuclear Waste

Emissions:

- 1) Alpha Particles
- 2) Beta Particles
- 3) Gamma Rays

Is There a Future for Nuclear Energy?

Private Sewage Disposal

Case Studies

- 15.1: The Sociology of Waste Disposal
- 15.2: The Highest Point between Maine and Florida
- 15.3: Deep Well Injection and Human Caused Earthquakes
- 15.4: Love Canal A Precedent in Human Caused Environmental Pollution
- 15.5: Radon and Indoor Air Pollution