

Case Study 2:



Hazardous Waste Characterization at a DOE Laboratory Treatment and Storage Facility

DOE Hypothetical National Laboratory

- **15 miles from a city of 3 million**
- **Rural area when built**
- **Now surrounded by a rapidly growing suburban population**
- **5 miles of land, much forested**
- **Laboratory performs research in nuclear non-proliferation, energy, environmental sciences, and other scientific and technical fields**

DOE Hypothetical National Laboratory

- **Because it is a laboratory, HNL generates a wide variety of waste streams, many of them subject to RCRA.**
- **RCRA regulation at HNL is by the State Department of Environmental Quality**


Lab Worker



Case S-2

4

Case Study 2: Hazardous Waste Characterization



The objective of this case study is to develop a system to minimize sampling costs and still have the data needed to correctly manage HNL's RCRA wastes.