Case Study 2:

Hazardous Waste Characterization at a DOE Laboratory Treatment and Storage Facility

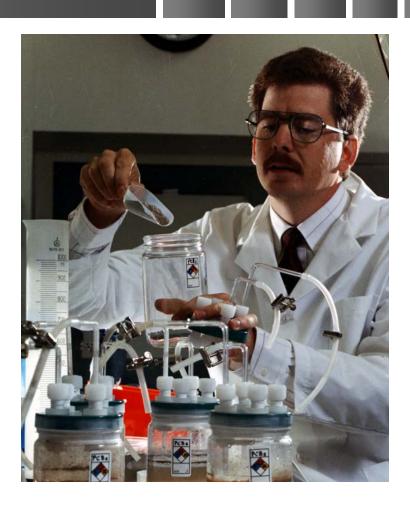
DOE Hypothetical National Laboratory

- 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

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.