

Waste Management '99

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TRACKING CONTAINERIZED WASTE FROM CRADLE TO GRAVE WITH A COMPUTERIZED DATABASE

The accurate tracking and reporting of containerized waste is not only good business practice but is required by a number of regulatory requirements. A computerized database should be able to maintain waste characterization information, provide a means to identify waste at any location, supply waste genealogy information through treatment processes, and report the information in a clear and consistent format. Maintaining this kind of information without the use of computers would be an extremely daunting task. Even if the data was organized efficiently, the ability to provide characterization or inventory reports at a moments notice would be next to impossible.

The Integrated Waste Tracking System (IWTS) at the Idaho National Engineering and Environmental Laboratory (INEEL) is the computerized database in use to provide the capability of reporting next to real-time waste information across the user community. IWTS consists of sophisticated yet simple workstation client, a robust and fully scaleable database server, and peripheral user interfaces such as access to the data via the web and handheld inventory tools. With over a million records on the system, IWTS has provided the INEEL with waste tracking, characterization, and inventory for two years. IWTS is also capable of printing Uniform Hazardous Waste Manifest, evaluating facility limits for compliance and user defined limits for radionuclides and chemicals, and maintains an audit trail of record changes.