



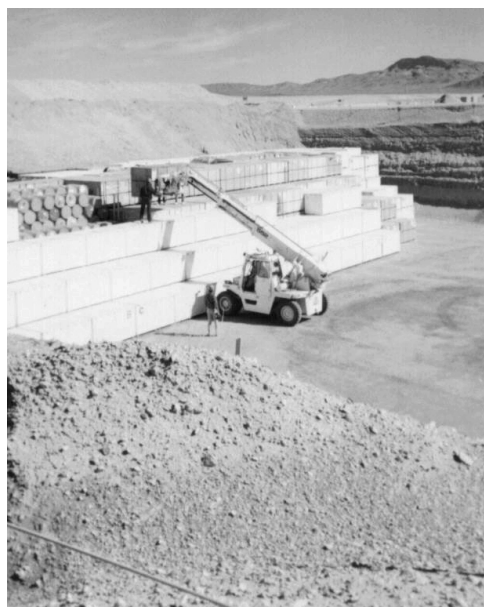
Waste Management

Overview Routine operations, planned activities, accidents, and cleanup/remediation efforts generate liquid and solid hazardous, toxic, radioactive, and mixed wastes that must be managed in accordance with applicable regulations. Successful waste management requires planning, training, documentation, cost-effective solutions, integration with mission activities, and ultimately, regulatory compliance.

- Jason Associates Corporation (Jason) provides nationally recognized support for hazardous, toxic, radioactive, and mixed waste management.
- Jason is experienced in all aspects of waste management program planning, execution, and evaluation activities.

Understanding the Issues

Waste management is a highly regulated activity where failure to comply can result in fines, penalties, and mission disruption. The regulatory requirements affecting generation, treatment, storage, and disposal of hazardous, toxic, radioactive, and mixed wastes are complex and often open to interpretation by regulators and oversight organizations. Comprehensive and cost-effective planning, execution, and evaluation of waste management programs is the surest way to ensure that waste management activities are compliant and do not impact mission resources, goals, and schedules. Waste management support includes: preparing, modifying, and tracking permits and authorization bases (RCRA Part A and B, TSCA, NPDES, CWA, NESHAPS, CAA, DOE O 435.1 RWMB); performing facility and program audits and assessments to ensure continued compliance; data collection and reporting; pollution prevention and waste minimization; employee training and certification; and scientific, engineering, safety, and risk analyses to support the development of solutions for waste management programs.



Low-level waste management at Nevada Test Site.

- Jason Waste Management Specialists assist clients in interpreting and applying toxic, hazardous, radioactive, and mixed waste requirements.
- Jason Project Managers understand the complexities of budgeting, planning, and executing waste management programs at all levels.
- Jason Technical Experts assist clients in developing creative and innovative waste management solutions based on scientific, engineering, safety, and risk analyses.

Corporate Capabilities

Jason's capabilities encompass technical support and hands-on operating support at planned, interim-status, permitted, and closed treatment, storage, and/or Treatment, Storage and Disposal (TSD) facilities. Jason personnel are experienced in developing operating requirements in compliance with Federal regulations associated with hazardous, radioactive, and mixed wastes, including preparation and modification of facility documentation, development of waste acceptance requirements, and all facets of program development, execution, and evaluation, including:

- Integrated risk management planning for waste management operations
- Safety and hazards analysis for waste management facilities
- Readiness reviews for facility operations
- Public involvement
- Computer databases and filing systems
- Data collection and preparation of required reports including the biennial and quarterly reports required by state oversight organizations
- Development and implementation of waste acceptance criteria
- Waste minimization and pollution prevention assessments and planning
- Employee training
- Radioactive waste treatment technology evaluations
- Interpretation and application of DOE Order requirements
- Health physics
- Radiological control program development, implementation, and assessment
- Radiation safety training
- Preparation and maintenance of facility authorization basis documentation
- Spent nuclear fuel and radioactive waste management
- Permit preparation, filing, and modifications
- Waste sampling and analyses
- Waste characterization and determinations
- Compliance evaluations
- QA/QC
- Emergency action plans
- Contingency plans
- Closure plan development and professional engineer certification for closure of TSD units

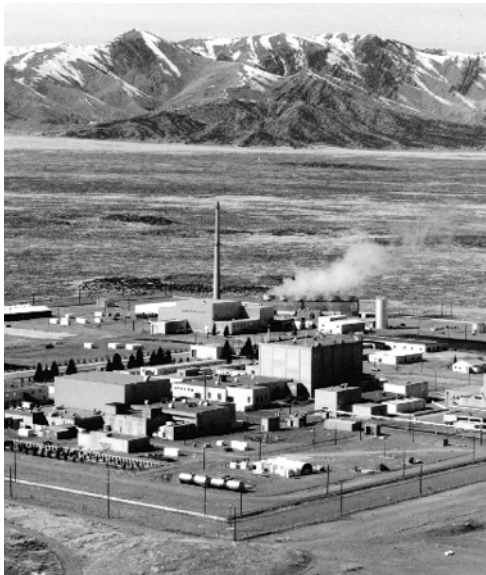


Jason Associates performs inspections on waste and material management sites to evaluate regulatory compliance.

Experience

As a company, Jason has more than 10 years of experience in waste management. Several of Jason's employees have over 20 years each of RCRA experience including both DOE and DoD projects. Jason's waste management support experience includes:

- Technical and regulatory support to DOE Headquarters on revision of the DOE radioactive waste management order, DOE O 435.1
- Evaluation of potential RCRA status of materials that may be disposed in the Yucca Mountain Repository
- Evaluation of RCRA-controlled material for new waste as well as legacy waste at the Idaho National Engineering and Environmental Laboratory (INEEL)



- Independent certified Professional Engineer review and certification of closure of RCRA-regulated treatment, storage, and disposal units at the INEEL
- Development of waste treatment processes to solidify low-level waste to meet free-liquids test in accordance with receiving facility Waste Acceptance Criteria at DOE sites
- Preparation of waste management and waste minimization plans for DOE and DoD sites
- Development and implementation of Health and Safety Plan for remediation of Kaho'olawe Island, Hawaii, for the U.S. Navy
- Development of standard operating procedures for MSDS review, reusable property and recyclable materials, waste management, and waste minimization for DOE

Jason Associates provides evaluation of RCRA wastes at INEEL.

- Training of DOE personnel on hazardous waste site operating procedures
- Facilitation of Manager's Committee on Curbside Recycling for the City of San Diego, CA
- Sampling for data verification in accordance with INEEL Reusable Property, Recyclable Material, and Waste Acceptance Criteria
- Evaluation of reduction, reuse, and recycling of waste for the Buried Waste Integrated Demonstration Program at the INEEL
- Development of fact sheets on pollution prevention and waste minimization for INEEL
- Recommendation of technologies to satisfy pollution prevention requirements at Brooks Air Force Base

- Independent assessment and recommendations for increasing efficiency of waste operation activities at Pacific Northwest National Laboratory
- Training support to the Hazardous Waste Management Division, Environmental Protection Department, at Lawrence Livermore National Laboratory
- Preparation of CERCLA feasibility study for wind-blown radionuclide contaminated soil sites at the INEEL
- Development of database of Records of Decisions for sites with radionuclide-contaminated soils to support presumptive remedy decisions by U.S. EPA
- Field sampling as part of the RI/FS process at mercury calcite settling ponds at the INEEL
- Technical support for low-level waste tank removal at the Oak Ridge National Laboratory
- Independent review supporting the Uranium Mill Tailings (UMTRA) groundwater remediation project at Sandia National Laboratories
- Technical support and training for the Streamlined Approach for Environmental Restoration (SAFER) initiative for DOE
- Field-sampling activities in support of the INEEL environmental remediation program
- Development of database to support the contaminated sites sampling program at the INEEL

Selecting Jason Associates Corporation

Jason waste management specialists have participated in all of the programmatic and facility-specific aspects of waste management planning, execution, and evaluation. Jason expertise can ensure that clients are able and prepared to adhere to applicable rules and regulations, that waste is characterized and managed properly, that waste management activities are performed in a timely and cost-effective manner, and that site- and facility-specific waste management programs are comprehensive and integrated.

Contacts

For more information about Jason's waste management experience and skills, please contact Ernest Harr (eharr@jason.com) or Martin Letourneau (mletourneau@jason.com) or call (702) 251-8055, extension 208 or 217, with any questions you may have about Jason or our capabilities.