

Lawrence Livermore National Laboratory Master Task Agreement

Location:	Client:	Duration:	Scope:
Lawrence Livermore National Laboratory (LLNL) Livermore, California	University of California	January 2004 to January 2007	Project Management Planning Services for the Disassembly, Removal, and Disposal of Excess Facilities

Key members of REIN staff were responsible for providing project management services to the LLNL Space Action Team (SAT) for the deactivation, decommissioning, decontamination, and demolition of excess facilities at the main LLNL Site and Site 300. Work was completed on a time and materials task order basis with a not-to-exceed ceiling price and within a specified time period. Specific task orders that were completed include:

- Area 514 RCRA Closure - RCRA closure of Area 514 requiring characterization, sampling, and analysis of various structures, systems, and components and subsurface soil; deactivation of electrical and mechanical systems; removal of installed equipment and components; abatement and decontamination of the remaining building structures as required; demolition of three structures occupying approximately 3,700 ft²; and renovation and replacement of a portion of the exterior of Building 513.
- 2004 Selected Small Structures - Deactivation, decontamination, and demolition (DD&D) of nine temporary office structures. The plan incorporates removal of asbestos containing material (ACM), removal of hazardous material, and demolition.
- Atomic Vapor Laser Isotope Separator (AVLIS) - Decommissioning decontamination, and removal (DD&R) of the AVLIS uranium separator and laser components, support systems, and equipment from Building 490.
- Building 241 Lowbay Equipment - DD&R of the excess legacy, programmatic gloveboxes, mixers, presses, fumehoods, and support equipment from the Building 241 Lowbay. The equipment, having been used in various laboratory projects from the early 1960s, has potential for contamination that includes beryllium oxide, beryllium boride, beryllium hydride, uranium 238, molybdenum, tungsten, lithium, lithium deuteride, and lithium hydride.
- Site 300 Buildings - DD&D of seven support facilities with contaminants including uranium 235 and 238 and high explosives (HE). DD&D requires characterization of building structures, systems and components, deactivation of electrical and mechanical systems, radiological and hazardous material decontamination, asbestos abatement, and demolition.
- Building 412 - DD&D of a 28,606 ft² wood frame legacy facility from the early 1940s. The effort includes removal of the building contents, building structure, and above-grade hot cell shielding structures. In addition, the external associated structures will be removed; the concrete slab will be cleared and appurtenances closed; and the below-grade hot cell voids will be safely covered and sealed at grade level.
- Building 212 - DD&D of a 49,000 ft² wood frame legacy facility that contained early experimental accelerators. The tasks included removal of hundreds of concrete shield blocks and tritium decontamination.



Services included for each task order consisted of detailed historical assessment, historical hazards assessment, scope of work definition and planning, task definition and sequencing, total baseline project schedule development, resource planning and leveling, cost estimating, risk management planning, procurement planning, bid specification development, and Project Execution Plan (PEP) development.