

PROJECT OVERVIEW: Argonne National Laboratory

Building 301 Hot Cell Facility Decommissioning



Project Location:

Argonne National Laboratory
Argonne, Illinois

Client:

Argonne National Laboratory

Project Scope:

Hot Laboratory Equipment
Removal

Period of Performance:

May 2001 to January 2002

MOTA Corporation was issued a sole-source contract to provide project management, Health Physics oversight, Environmental Health and Safety oversight, labor, and materials to Argonne National Laboratory for the decontamination and decommissioning of the Building 301 Hot Cell Facility. Project activities included:

- Preparation of programs, plans, and procedures to decontaminate and decommission (D&D) the entire facility including auxiliary systems;
- Lead-based paint, asbestos, and PCB component removal;
- Removal and packaging of contaminated lead, magnetite, and concrete;
- Lock out/tag out and removal of electrical systems;
- Supplemental facility characterization;
- Disassembly, size reduction, and packaging as low level waste the contaminated facility support systems, installed oversize fume hoods, Blickman hoods, shielded glove boxes;
- Decontamination of radiologically affected areas;
- Building structural stabilization.

"Argonne and MOTA formed a very productive partnership to accomplish difficult work. MOTA's responsiveness, safety record, and ability to overcome technical challenges were the reason that the Laboratory decided to award a sole source contract for future D&D work."

Dr. Tom Yule
Argonne National Laboratory



Project Performance Features:

- ◆ Project management and personnel support for hot cell facility decommissioning activities.
- ◆ Oversight of radiological sampling and surveying through concluding survey activities.
- ◆ Radioactive and hazardous materials characterization and waste management.
- ◆ Utilization of industrial vacuum blaster for surface remediation.
- ◆ Compilation of project records and preparation of final reports to confirm accomplishment of project objectives for customer and regulatory agencies.
- ◆ Completion of project on schedule and within budget.



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