

Argonne National Laboratory ATSR Facility Decommissioning

| Location: | Client: | Duration: | Scope: |
|--|-----------------------------|--------------|--|
| Argonne National Laboratory Argonne, Illinois | Argonne National Laboratory | 1997 to 1998 | Test Reactor and Support Equipment Removal |

Key members of REIN staff were responsible for a sole-source contract to provide project management, labor, and materials to Argonne National Laboratory for the decontamination and decommissioning of the Argonne Thermal Source Reactor (ATSR) Facility. Project activities included:

- Preparation of programs, plans, and procedures to decontaminate and decommission (D&D) the entire reactor facility including auxiliary systems;
- Removal and packaging of activated lead and graphite;
- Lockout/tagout and removal of electrical systems;
- Disassembly, size reduction, and packaging as low-level waste the reactor internals, core tank, and shield tank;
- Removal, size reduction, and packaging as low-level waste all primary system piping, valves, and storage tanks;
- Removal and packaging as low-level waste miscellaneous support systems including fuel storage pit, sample transfer systems, and fume hood;
- Lead-based paint, asbestos, cadmium, and VOC (oil and grease) removal;
- Decontamination of radiologically affected areas to "free-release" levels;
- Development and implementation of final survey approach, general survey plan, reference grid system, sample collection including chain of custody protocol, compilation and interpretation of survey results, and delivery of final release survey status report.

"...Performance has always been excellent. They have never had a lost time injury. Schedule compliance and cost control are given the necessary management attention to assure project success"

*Chuck Fellhauer, Dr. Tom Yule
Argonne National Laboratory*

Project Performance Features:

- ✓ Project planning and field operation personnel support (including Technicians, Equipment Operators, Supervisors, and Health & Safety Officer) for reactor facility decommissioning activities.
- ✓ Assistance in preparation of comprehensive set of programs and procedures including Project Management, Radiological Controls, Health and Safety, Characterization, Asbestos Removal, Sampling and Analysis, Decontamination and Decommissioning, Final Release Survey, and Facility Restoration.
- ✓ Completion of project on schedule and within budget.

