



Power Plant Decommissioning

ABZ, Inc. was founded in 1986 to provide management consulting to the nuclear power industry including both commercial utilities and government agencies. ABZ clients include commercial utilities, private companies, universities, state regulators, and the federal government.

ABZ provides technical consulting for customers' decommissioning projects. We provide a complete range of expertise in the areas of Project Management, Engineering, Licensing, Quality Assurance, Oversight, Planning, Estimating, Scheduling and Cost Analysis.

Our multidisciplinary team also has the necessary engineering and project management depth to provide a full range of decommissioning consultancy in all major areas: Decommissioning Preparedness & Project Development, Implementation, Site Closure and Redevelopment.

Our strength lies in the cumulative experience of our professional staff, all of whom are committed to providing high level of expertise to our clients demanding needs. Our staff has a thorough understanding of all aspects of the nuclear and commercial decommissioning industry and has established respected working relationships with the applicable regulatory agencies.

Our mix of management, engineering, and field staff allow ABZ to provide fully integrated areas of expertise from initial site reconnaissance or due diligence and project scoping through implementation, scheduling, contract management, and ultimately, to project closeout and transition.

Our staff has supported decommissioning projects both in the U.S. and overseas. We have seasoned professionals that are capable of supporting projects from conception to completion.

ABZ's decommissioning experience includes:

✓ **Licensing Experience**

ABZ knows and understands the licensing processes associated with decommissioning of power plants. ABZ works with regulatory agencies and understands how regulations are developed, processed and implemented. This expertise is one of the reasons the U.S. government, state regulators and technology providers request our services.

✓ **Cost Estimating**

ABZ has the capabilities to perform cost estimates for decommissioning of commercial and nuclear facilities. The estimates incorporate over 34 years of experience in oversight, management, and project controls. ABZ's Decommissioning Cost Analysis System (DECAS) provides an accurate, understandable, and well-documented method of calculating the estimate.

✓ **Risk Management**

ABZ evaluates the consequence of various business decisions and accidents associated with nuclear decommissioning activities. These evaluations address both property issues as well as both nuclear and business liability issues. ABZ has worked with investors, regulators, insurers, and licensees to produce successful project outcomes.



Our staff has the expertise to support your decommissioning project activities in the following areas:

Decommissioning Preparedness & Project Development:

- Development and Implementation of Project and Regulatory License Termination Plan. This includes from part 50 to part 72 program implementations.
- Work Planning, Cost Controls & Scheduling
- Contract Proposal Preparation, Review and Oversight
- Risk Assessments
- Safety Coulter and Human Performance Assessment
- Project Management and Resource Staffing Support
- Mixed Waste Profile and Site Characterization
- Radiological and Environmental Surveys/Sampling Programs
- Regulatory Compliance for Program Reduction and License Termination Process
- Readiness Reviews
- Asset Assessment
- Site Closure Project Plan development and implementation
- Project QA Plan
- Remediation Plan(s) (Radiological, PCB, Asbestos, Hazardous and Mixed Waste etc.)

Implementation:

- Implementation of Programmatic Processes to Support Decontamination, Remediation and Disposal of Systems Components and Structures to include Site Footprint
- Support Removal of Major System Components (Steam Generators, Heaters, Reactor Vessels, Pumps, Valves, Motors, Switch Gear, Main Station Transformers, Turbine(s), etc.)
- Waste Stream Characterizations in Accordance with Regulatory Requirements
- Hazardous Waste Processing and Shipping
- Construction & Demolition (C&D) Waste Processing
- Radioactive Waste Processing and Shipping and/or Storage
- Due Diligence and Qualification of Radioactive & Non-Radioactive Disposal Sites and Environmental Testing Laboratories
- Local, State, and Federal Site Environmental Remediation Permit Processing

Site Closure:

- Finalization of Regulatory Commitments
- Site Characterization to include hazardous and mixed (Radioactive and non-radioactive) waste profiling.
- Final Status Surveys to include coordination of Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)

Site Transition and Repurposing:

- Due Diligence
- Power Purchase Agreement (PPA) facilitation
- Capital Investment Support
- Redevelopment and reuse of real-estate options
- Liability to asset analysis and development
- Repurposing of site assets