

# Decommissioning & Dismantling and Waste Management Services

## Background

Nuclear facilities that are no longer operating due to economic factors, licensing issues, end-of-life components or other reasons are candidates for decommissioning and dismantling (D&D), followed by site restoration.

Westinghouse is known as a global industry expert in D&D, based on its proven abilities in past and ongoing work. The company offers integrated project experience that incorporates lessons learned and knowledge of local requirements to deliver improved value to its customers. It has an exceptionally skilled resource base, and continues to build on that skill set through innovation and development of new technologies.

Westinghouse also provides comprehensive, integrated services and state-of-the-art solutions for spent fuel and the treatment and handling of radioactive waste, and offers proven solutions for the interim storage and final disposal of low-, intermediate- and high-level waste.



Hematite Nuclear Fuel Plant Decommissioning Project  
Hematite, Missouri (USA)

## Description

With all D&D and waste management projects, there are three important factors for both the customer and Westinghouse to keep in mind:

- Safety of the personnel and the plant
- Cleanliness of the environment
- Minimization of dismantling, waste storage and disposal costs

Specific to D&D and waste management, Westinghouse's global capabilities include:

### Planning

- D&D project planning
- Decommissioning studies
- Regulatory issues management

### Spent Fuel Services

- Welding
- Ancillary equipment and crane operations
- Fuel handling
- Nondestructive examination activities

### Decontamination

- Chemical decontamination

### Dismantling

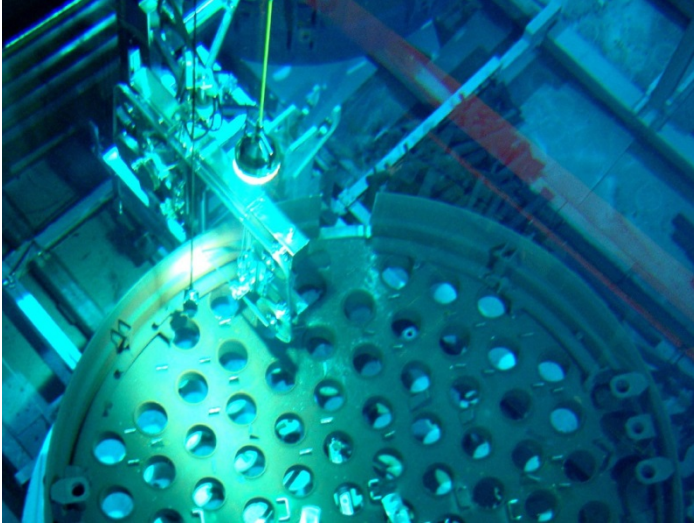
- Nuclear component segmentation

### Waste Management

- Site and waste characterization plans
- Low- and intermediate-level radioactive waste management
- Waste optimization studies
- Waste packaging
- Waste treatment systems
- Waste storage and disposal facilities design

### Remediation

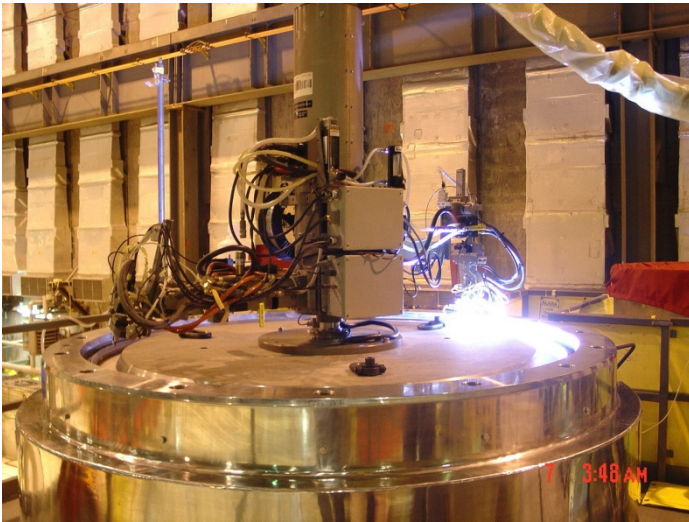
- Post-operation support
- Final site surveys and monitoring



Segmentation of core shroud cover



Sorting box and super compactor



The Terminator™ Canister Welding System performing a successful canister closure

## Benefits

Recognized as a proven supplier of quality nuclear services, Westinghouse offers its customers both expertise and experience, based on its integral approach, and supports all the phases of a project, from concept and licensing to implementation and work supervision.

## Experience

With more than 50 years of global experience in the nuclear industry, Westinghouse has acquired extensive experience in decommissioning nuclear facilities including pressurized water reactors, boiling water reactors, gas-cooled reactors, sodium-cooled reactors, research reactors and fuel fabrication plants.

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