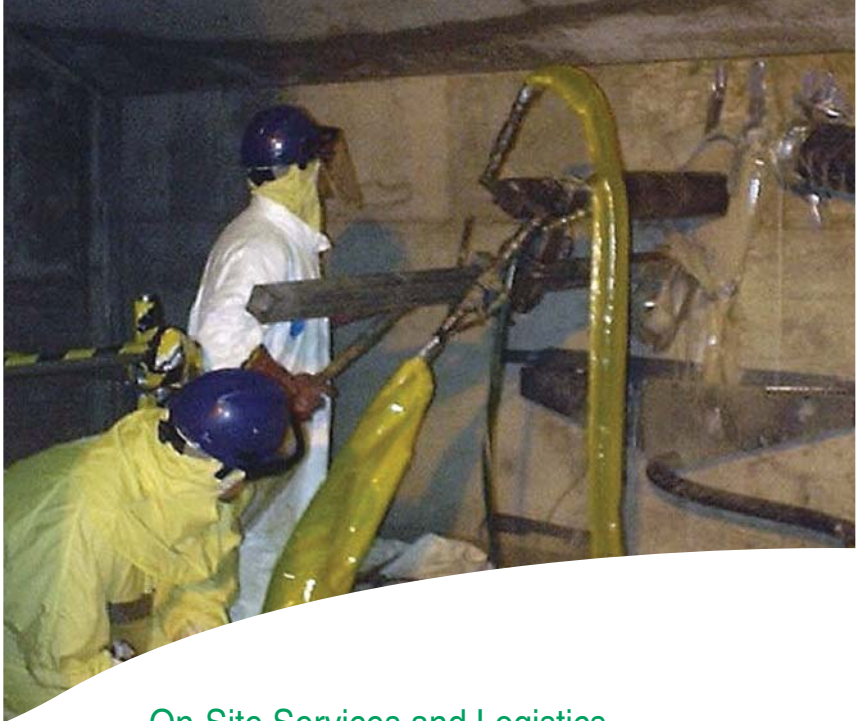




Commercial Services



Comprehensive Client Site Services for Nuclear Material Licensees

EnergySolutions is the leader in providing services and solutions to the commercial sector for the safe management, handling, and disposition of radioactive material from client sites. Our services address the full lifecycle of radioactive material generation including initial guidance, identification, characterization, removal and packaging, off-site shipment for further processing, volume reduction and disposition.

Our clients encompass hundreds of licensees, including nuclear utilities, radiopharmaceutical facilities, universities, laboratories, radioactive source manufacturers, material processors, and other facilities that use radioactive materials. With over 20 years of experience, providing a full range of services to these licensees, EnergySolutions can apply innovations and efficiencies to develop cost-effective solutions to any emergent nuclear operation or radiological challenge faced by our clients.

On-Site Services and Logistics

- Brokerage
- Casks and containers
- Centrifuge (sludge treatment)
- Characterization and profiling
- Compaction
- Emergency response
- Fuel pool clean-up
- Instrumentation services
- Large component logistics
 - Reactor pressure vessels
 - Steam generators
 - Pressurizers
- Licensing services
- Life-of-plant services
- Liquid waste processing
 - Chemical injection
 - Filtration/demineralization
 - Make-up water
 - Rapid and standard dewatering
 - Reverse osmosis
 - Project management
- Radioactive waste management
 - Low-level radioactive waste
 - Intermediate-level waste
 - Mixed waste
 - Transuranic (TRU) waste



- High-level waste
- Repackaging
- Manifesting/shipping
- Volume reduction
- Radiological consulting and engineering
- Tank cleaning
- Training
- Transportation

Decontamination and Decommissioning

- D&D planning
- Program audits
- Licensing and regulatory support
- Risk assessment
- Release criteria development
- Project management
- Cost estimation and updates
- Historical site assessment
- Scoping and characterization surveys and reports
- Decontamination, demolition, and disassembly
- Remediation
- Radiological engineering/health physics
- Analytical services
- Final status surveys
- License termination

Experience

Nuclear Power Plants (BWRs and PWRs)

On-site solid and liquid radioactive waste treatment services and support during outages, replacement projects, and decommissioning operations. Removal, volume reduction, and cask shipments of highly irradiated components from spent fuel pools such as control rod blades, detectors, power range monitors, filters, etc.

Radiopharmaceutical Institutions

Waste management guidance, brokerage, packaging, and shipment to off-site processing or disposal sites for waste streams such as aqueous liquids, lab items, dry active waste, and biological waste. Full range of decommissioning services to shutdown laboratories.

Universities

Dismantling and disposition of gloveboxes, hoods, laboratory equipment, and other materials for universities dealing with legacy waste from shutdown test reactors or waste generated from routing isotope operations.

Material Processing Facilities and Fuel Fabrication Facilities

Characterization, packaging, transportation, and disposal of uranium- and thorium-contaminated materials.

We're part of the solution



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