

THE SOURCE

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Protecting and preserving the environment

for generations to come, by providing reliable, safe, and innovative radioactive material services and project solutions to the global nuclear industry.

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Clive Disposal Facility



Bear Creek Operations



Transportation

■ **Waste Disposal**—EnergySolutions owns the Clive disposal facility in Utah, which is the largest facility of its kind in North America. Clive provides disposal of Class A waste from commercial and government clients across the U.S. The Barnwell facility is owned by the State of South Carolina and operated by EnergySolutions. It disposes of Class A, B, and C waste generated in South Carolina, New Jersey, and Connecticut.

■ **Waste Processing**—EnergySolutions has three U.S. locations for processing waste and one Canadian location to sort material for waste processing and volume reduction. We process spent ion-exchange resins from U.S. and Canadian nuclear power plants and safely process and package radioactive material for permanent disposal or recycling.

■ **Transportation and Logistics**—EnergySolutions owns and operates two trucking companies, Hittman Transport Services in the U.S. and PHTS Logistics in Canada. Our cask division offers the largest fleet of Industrial (IP) Type A and B shipping casks. We operate five transload facilities across the U.S. and produce flexible and durable packaging products for rad and non-rad shipments.



Nuclear power plant support

■ EnergySolutions Nuclear Services—

Provides comprehensive services and solutions to support ongoing nuclear plant maintenance, modifications, capital projects life extensions and new build. The Nuclear Services group offerings enhance EnergySolutions' overall capabilities for safe waste management, nuclear decontamination, decommissioning, and remediation all in support of zero-carbon energy production.



TMI-2

■ Decommissioning & Decontamination—

EnergySolutions has two decades of nuclear decommissioning experience and fully integrated D&D offerings. Our subject matter experts can assist with early planning through successful project execution and license termination (DECON or SAFSTOR).



Liquid waste processing

■ Nuclear Plant Waste Solutions—

Provides engineering and technology services including 3D renderings/modeling capabilities; specialty water treatment; and ion exchange systems, media, and resins. Successful development, testing, and implementation of specialized high activity liquid water

processing systems at Fukushima. We provide nuclear engineering, radiological safety, and quality assurance. Identification of radioactive source terms, calculation of area dose rates, and shielding analysis ALARA studies.



Waste Isolation Pilot Plant

■ **Federal Services—**Successfully delivers complex waste solutions to the U.S. Departments of Defense and Energy, U.S. Army Corps of Engineers, universities and laboratories. Services include environmental investigation, remediation and restoration services, multi-disciplined engineering services, structure/component deactivation, segmentation and demolition and hazardous toxic radioactive waste characterization treatment, transportation and disposal.



EnergySolutions Canada

■ EnergySolutions Canada

Waste Processing: Provides radioactive waste materials management to the Canadian nuclear industry. With more than 300,000 square feet of facility designed to provide services for reactor tooling refurbishment and storage of low-level radioactive material for Canadian utilities, hospitals and research facilities.

License Support: EnergySolutions Canada has contracted with Laurentis Energy Partners (a subsidiary of Ontario Power Generation) to provide license support for a new nuclear materials sorting facility called

Western Clean-Energy Sorting and Recycling in Ontario, Canada. The purpose of this facility is to reduce volumes while maximizing the recycling and free release of clean materials.



Component segmentation, decontamination, and recycling

■ International Recycling Services—

Built upon a foundation of 50 years' experience in radioactive materials management and facility D&D, EnergySolutions' subsidiary Sustainable Value Solutions (SUVA) is pioneering a paradigm shift in the back-end of the nuclear lifecycle, where decommissioning becomes a valuable source of scarce resources. By recycling metals for beneficial reuse, SUVA greatly enhances the economic viability of nuclear energy by eliminating back-end liability.

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