

THE SOURCE



GET TO KNOW ENERGY SOLUTIONS' BARNWELL COMPLEX

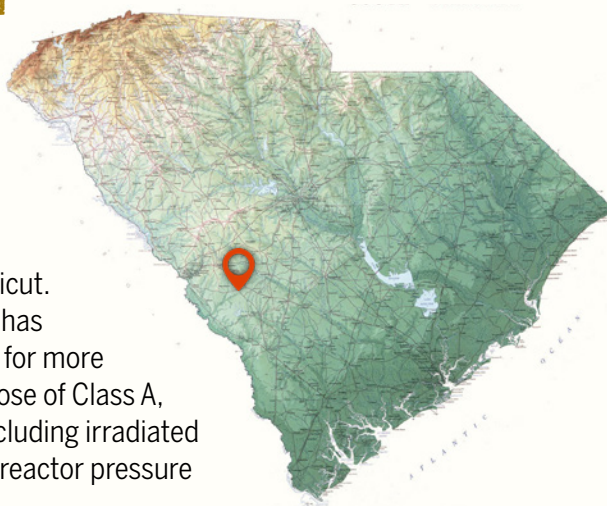
Providing comprehensive services for the management of low-level radioactive material

Barnwell Disposal Facility (BDF)

Owned by the state of South Carolina and operated by EnergySolutions, this 235-acre facility is the host disposal site for the Atlantic Compact—comprised of South Carolina, New Jersey, and Connecticut. The facility began operations in 1971 and has provided continuous disposal operations for more than 45 years. The site is licensed to dispose of Class A, B, and C low-level radioactive wastes—including irradiated hardware, large components, resins, and reactor pressure vessels.

Barnwell Processing Facility (BPF)

This facility performs volume reduction, resin dewatering, waste solidification, decontamination, and evaporation processes. The BPF also completes a variety of special projects for Savannah River Site contractors and EnergySolutions' projects.



As at all EnergySolutions' facilities, safety is a culture embraced by every Barnwell Complex employee. The facility's safety and compliance record is one of the best in the business.

INSIDE

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- MEET GENERAL MANAGER ANDY VERONEE
- NUCLEAR PRODUCT SERVICES
- ENVIRONMENTAL AND DOSIMETRY LABORATORY
- DISPOSAL FACILITY

WHAT'S WHAT BARNWELL PROCESS AREAS

Building 101

- Climate controlled concrete facility
- 7,500 ft²
- Large open work bay for processing and compacting various radioactive material and waste streams
- Sort & Segregation
- Supercompactor



The Barnwell Processing Facility has an RCRA Part B permit.



Building 201

- 20,000 ft², climate-controlled concrete facility
- Open floor space for processing radioactive materials and waste
- Radiological waste testing laboratory
- 80-ton overhead bridge crane



EnergySolutions' BPF operations include the ability to manage heavy components and machinery, including lifting, storage, and assembly such as a melter system for the Department of Energy.



MEET THE GM ANDY VERONEE

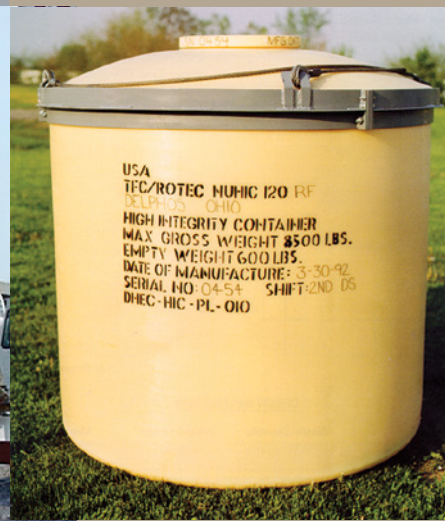


“I originally planned to enter the Nuclear Medicine field. I had a BS in Health Physics, had worked at a nuclear power plant and down at the Medical University of South Carolina. I decided I wanted to enter the medical field and was accepted at Emory University; then we found out we had a baby on the way, and I needed to make some money. That was in 1984, and I’ve never had any regrets. From working outages at power plants to building and operating a vitrification facility to managing the Barnwell Complex, it’s been quite a ride, and I feel it’s not over yet. We’ve raised a family of five and now have five grandchildren. Most important to my work and my life is my best friend, my wife Leslie. Married 26 plus years and counting.”

The Barnwell Processing Facility shares a boundary with the U.S. DOE’s Savannah River Site.

WHAT IS NPS? NUCLEAR PRODUCT SERVICES AT BPF

- Dewatering and water processing units
- Liner Fabrication
- Specialty Containers
 - Special packaging needs
 - Proven design and reliability
 - Large equipment packaging
 - High rad waste
 - Interim- and long-term storage
- Shipping, processing, and disposal



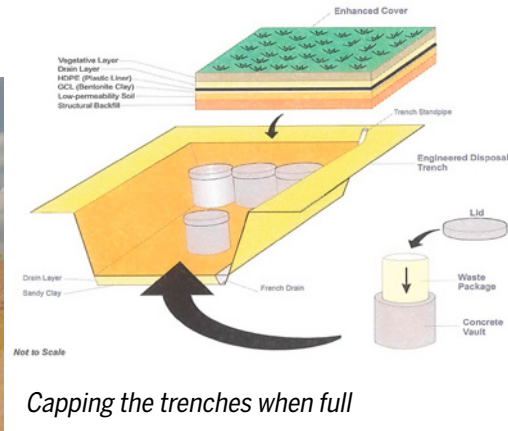
ALSO ON SITE: ENVIRONMENTAL & DOSIMETRY LAB

- Regulatory monitoring of disposal and processing sites with air monitoring stations and fence line dosimetry
- Regulatory monitoring of ground and well water
- Regulatory monitoring of soil samples
- Trench design
- Water discharge and control design
- Personnel dosimetry monitoring
- Environmental stewardship

CLASS A, B & C BARNWELL DISPOSAL



Active trench



Capping the trenches when full



Large component disposal



Irradiated hardware trench



Closed and capped trenches

Barnwell Disposal Facility Timeline

1969—License to receive and store LLRW

1971—License to dispose of LLRW in 17 acres

1976—Lease amended to 235 acres

1980—U.S. LLRW Policy Act passed

1981—Decommissioning Trust Fund established

1982—South Carolina joins Southeast Compact

1995—South Carolina withdraws from Southeast Compact

2000—South Carolina joins Atlantic Compact

After 2008
Access reduced to only Atlantic Compact generators

UPCOMING ISSUES

- LIQUID WASTE PROCESSING
- LINERS AND HICs
- SHIPPING CASKS
- PROFESSIONAL SHIPPERS AND BROKERS
- HITTMAN TRANSPORT SERVICES
- PHTS LOGISTICS
- MEMPHIS FACILITY— DECONTAMINATION SERVICES AND EQUIPMENT STORAGE