

THE SOURCE



GET TO KNOW

THE MEMPHIS LARGE COMPONENTS PROCESSING FACILITY

Centrally located in the United States on the Mississippi River, EnergySolutions' Memphis Facility is accessible by road, rail, and barge. The facility consists of six warehouses on a 13-acre lot. It was formerly owned by Frank W. Hake, a waste processor that was purchased by Duratek (a company EnergySolutions acquired in 2006).

The site has served as a hub in West Tennessee for the processing of radiological wastes for more than 30 years. It is ideal for projects that involve size reduction of large components for disposal through a variety of outlets. The facility also houses lessee/partner that specializes in refurbishment of pumps and motors for nuclear power generators.



EXTENSIVE OFF-LOADING CAPABILITIES

- 150-ton crane at the facility (above)
- 1,250-ton crane for barge off-load (left)

Processing Areas at Memphis

The Memphis warehouses are broken down into smaller work areas referred to as “Safe Shops.” These spaces are used by Memphis staff and customers to perform various operations including waste processing,

equipment inspection, repair and refurbishment, and occasionally special testing. Customers will often use the space and resources at the Memphis site, along with the optimized license and program requirements to assist

them in timely completion of pre-outage testing and inspections, quick determination of equipment for unconditional release and/or packaging for disposal and storage.



“F Shop” offers lessee space in A Building



“G Shop” in A Building

A Building

This building is used for processing special nuclear materials (SNM). It contains a “Hot Shop” for work that requires increased controls due to contamination and/or dose. The site lessee leases space in this area for storage and performance of their refurbishment and repair business.

D Building is used as radiological storage and a high radiation storage area for materials stored long-term at the Memphis site.

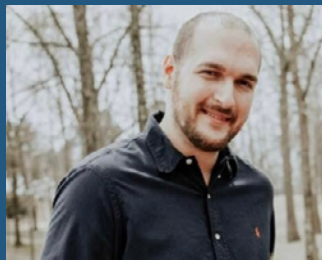
E Building is the site’s large components processing hub.

Within D Shop, large components are received and processed. The shop has a dedicated ventilation fan that services it, capable of pulling 50,000 cubic feet per minute of air through a dust collection and HEPA system, making the processing of components with high activity safe for employees in the work area and members of the public. D Shop also serves as a staging area for smaller projects that require the use of a contaminated area for processing.

C Shop is used for grit blasting and other decontamination activities in support of large components projects.

B Shop is a space used primarily for customer support. This space is maintained to allow for customers to bring in equipment to the site and perform PMs or evaluations.

GET TO KNOW RALPH PENA



As Operations Manager at Memphis, Ralph Pena maintains the site’s daily operation and ensures the facility safely meets its processing goals and schedule. Ralph has been with EnergySolutions for 12 years (3 years as a subcontractor). Before joining our team, he worked as a HP technician for various nuclear power site outages. Ralph has three wonderful children and an amazing wife, and they spend a lot of time attending sports and club functions. They enjoy going to a good movie or on a walk when the weather is nice.

Buildings B, C, F

These three buildings serve as clean storage areas for the Memphis facility.

Upcoming Issues

- Year-End Update
- EnergySolutions Conference
- Large Components



St. Lucie steam generators in “D Shop” of E Building