



Government Nuclear Operations



Proven Success

For decades, we've been the driving force behind the U.S. Navy's unmatched nuclear fleet. From fabricating components in our state-of-the-art facilities to providing fueled power units, we ensure our customer have the reliable, enduring power they need to fulfill their missions. Our legacy in naval nuclear propulsion dates back to the 1950s, when we fabricated components for the USS Nautilus, the world's first nuclear-powered submarine. Today, our reactors power the Navy's Ohio, Virginia, Seawolf, Los Angeles- and Columbia class submarines. Our reactors also power Nimitz and Ford-class aircraft carriers.

Made to Manufacture

Our state-of-the-art manufacturing facilities supply specialty components and fuel to the U.S. government and commercial industry. Additionally, we own and operate the only two NRC-licensed commercial facilities in the U.S. authorized to handle and process high-enriched uranium (HEU).

Fueling Research

For nearly 40 years, we have been a leading supplier of nuclear fuel to national laboratories and universities, delivering thousands of fuel elements. Established in 1981, our dedicated research test reactor fuel element facility stands as a testament to our commitment, continuing to be a premier supplier of high-enriched and low-enriched uranium, aluminum clad, plate-type reactor fuel, directly supporting the scientific studies these reactors enable.



Power for the Next Generation

Located in Lynchburg, Virginia (NRC Category 1-licensed site), our Specialty Fuel Facility is perfecting the fuel fabrication techniques required to support TRISO (Tri-structural Isotropic) fuel production for future passively safe, compact nuclear reactors designed for the economic generation of electricity and thermal energy.



Locations and Capabilities



Barberton, Ohio

Manufactures heavy components for nuclear reactor plants used in submarines and aircraft carriers.



Erwin, Tennessee

(Nuclear Fuel Services, Inc.)

Converts Cold War-era stockpiles of highly-enriched uranium into material suitable for processing into commercial nuclear reactor fuel; also operates a uranium fuel materials production facility to support America's fleet of nuclear-powered submarines and aircraft carriers, is demonstrating uranium metal purification, and is underway with studies for uranium enrichment.



Euclid Ohio

Manufactures electro-mechanical components for naval reactors used in submarines and aircraft carriers.



Jonesborough, Tennessee

Sole provider of depleted uranium to the U.S. government; provides advanced specialty materials, fabrication and high-strength alloy manufacturing.



Lynchburg, Virginia

(NRC Category 1-licensed site) Manufactures naval nuclear reactors for submarines and aircraft carriers, elements for research test reactors, and specialty fuels like TRISO for advanced reactors; chemically processes various forms of uranium to produce purified uranium feedstock for Department of Energy programs.



Mount Vernon, Indiana

Manufactures heavy components for naval nuclear reactors and aircraft carriers; facilitates ocean-going barge transportation, boasting the largest dock crane on the Ohio River with a 1,000-ton lift capacity.

At BWX Technologies, Inc. (NYSE: BWXT), we are People Strong, Innovation Driven. A U.S.-based company, BWXT is a Fortune 1000 and Defense News Top 100 manufacturing and engineering innovator that provides safe and effective nuclear solutions for global security, clean energy, environmental restoration, nuclear medicine and space exploration. With nearly 10,000 employees, BWXT and its affiliated companies have 20 major operating sites in the U.S., Canada and the U.K. In addition, BWXT joint ventures provide management and operations at more than a dozen U.S. Department of Energy and NASA facilities. For more information, visit www.bwxt.com. Follow us on LinkedIn, X, Facebook and Instagram.

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