



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, our Specialty Fuel Facility is actively manufacturing TRISO fuel that provides passively safe fuel for the next generation of advanced reactors.



Locations and Capabilities



Barberton, Ohio

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



Erwin, Tennessee

(NRC Category 1-licensed site)

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 nuclearpowered 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

Key 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, owns and manages the largest dock crane on the Ohio River with a 1,000-ton lift capacity.

BWX Technologies, Inc. (BWXT) is People Strong. Innovation Driven. As a Fortune 1000 and Defense News Top 100 innovator, BWXT advances nuclear technology for global security, clean energy, next-generation medicine and space exploration. Backed by more than 11,000 employees at 19 major operating sites worldwide, BWXT combines 170 years of proven performance with advanced manufacturing, digital innovation and next generation reactor and fuel technologies. BWXT is the sole manufacturer of naval nuclear reactors for U.S. submarines and aircraft carriers, providing strategic capabilities with unmatched reliability.

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