

Welding Repairs

Diving Services - Underwater Wet Welding Projects

Nuclear Underwater Wet Welding



UESI performs underwater welding in both radioactive and non-radioactive nuclear environments. Welding operations are conducted using qualified weld procedures and welders tested and certified to requisite industry standards. Underwater wet welds are made in accordance with the American Welding Society (AWS) Specification D3.6M and/or ASME Section XI, Subsection 4660. UESI has Procedure Qualification Records (PQR), Welding Procedure Specifications for various base metal material types (carbon and stainless steel) with current welder certifications conforming to ASME Section IX, ASME Section XI, Subsection 4660, ANSI/AWS D3.6M, and Japan Industry Standard (JIS) Z3040.

Further development of qualified underwater weld procedures, welder qualifications, as well as other research and development projects are conducted in UESI's 10,000 gallon dive tank.

Project specific Welding Procedure Specifications (WPS's) and Procedure Qualification Records (PQR's), and welder certifications are performed and documented in accordance with ANSI/AWS 3.6M, ASME Section IX, and ASME Section XI, Subsection 4660 (formerly Code Case N-516) for underwater repair or replacement welding, as applicable.

Welder Qualifications for specific welding projects can either be performed onsite at the desired site location, at UESI's home office mechanical shop, or at the UESI contractor welding facility. All welding quality assurance documentation will be submitted to project customer/client for review and approval prior to use.